

I

Test Suite Overview

Test Suite Structure			
Suite Name : NMDS_NTN_L2 Standards Ref : EN 301 141-1 with large help from ETS 300 402-2 PICS Ref : EN 301 141-2 PIXIT Ref : ETS 300 402-7 annex B and EN 301 141-3 Test Method(s) : Remote single layer Comments : This ATS is applicable for the NTN side only.			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
LayerManagment/ LayerManagment/UserSide/ LayerManagment/UserSide/state9/ LayerManagment/UserSide/state9/ Valid/ LayerManagment/UserSide/state9/I nopportune/ LayerManagment/UserSide/state9/ SyntacticallyInvalid/ LayerManagment/UserSide/State70 / LayerManagment/UserSide/State70 /Valid/ LayerManagment/UserSide/State70 /Inoportune/ LayerManagment/UserSide/State80 / LayerManagment/UserSide/State80 /Valid/ LayerManagment/UserSide/State80 /Inoportune/ DataControl/ DataControl/state9/ DataControl/state9/Valid/ DataControl/state9/Inoportune/ DataControl/state9/SyntacticallyIn valid/ DataControl/State51/ DataControl/State51/Valid/ DataControl/State70/ DataControl/State70/Valid/ DataControl/State70/Inoportune/ DataControl/State70/SyntacticallyI nvalid/ DataControl/State70/Outstanding_ I_frames/ DataControl/State70/Outstanding_ I_frames/Valid/ DataControl/State70/Outstanding_ I_frames/Inoportune/ DataControl/State70/Timer/ DataControl/State71/ DataControl/State71/Valid/ DataControl/State71/Inoportune/ DataControl/State74/	User		

Continued on next page

Continued from previous page

Test Suite Structure			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
DataControl/State74/Valid/ DataControl/State74/Inopportune/ DataControl/State74/SyntacticallyInvalid/ DataControl/State74/Outstanding_I_frame/ DataControl/State74/Outstanding_I_frame/Valid/ DataControl/State74/Outstanding_I_frame/Inopportune/ DataControl/State74/Timer/ DataControl/State75/ DataControl/State75/Valid/ DataControl/State75/Inopportune/ DataControl/State80/ DataControl/State80/Valid/ DataControl/State80/Inopportune/ DataControl/State80/SyntacticallyInvalid/ DataControl/State80/Outstanding_I_frame/ DataControl/State80/Outstanding_I_frame/Valid/ DataControl/State80/Outstanding_I_frame/Inopportune/ DataControl/State80/Timer/ DataControl/State80/Counter/ DataControl/State81/ DataControl/State81/Valid/ DataControl/State81/Inopportune/ DataControl/State84/ DataControl/State84/Valid/ DataControl/State84/Inopportune/ DataControl/State84/SyntacticallyInvalid/ DataControl/State84/Outstanding_I_frame/ DataControl/State84/Outstanding_I_frame/Valid/ DataControl/State84/Outstanding_I_frame/Inopportune/ DataControl/State84/Timer/ DataControl/State84/Counters/ DataControl/State85/ DataControl/State85/Valid/ DataControl/State85/Inopportune/ Multi/			
Detailed Comments :			

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_1			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_2			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_3			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_4			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_5			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_6			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_7			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_8			
LayerManagment/UserSide/state9/Valid/	L2U_L90_V_9			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_1			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_2			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_3			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_4			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_5			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_6			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_7			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_8			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_9			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_10			
LayerManagment/UserSide/state9/Inopportune/	L2U_L90_I_11			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_1			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_2			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_3			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_4			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_5			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_6			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_7			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_8			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_9			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_10			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_11			
LayerManagment/UserSide/state9/SyntacticallyInvalid/	L2U_L90_S_12			
LayerManagment/UserSide/State70/Valid/	L2U_L70_V_1			
LayerManagment/UserSide/State70/Valid/	L2U_L70_V_2			
LayerManagment/UserSide/State70/Valid/	L2U_L70_V_3			
LayerManagment/UserSide/State70/Inopportune/	L2U_L70_I_1			
LayerManagment/UserSide/State70/Inopportune/	L2U_L70_I_2			
LayerManagment/UserSide/State70/Inopportune/	L2U_L70_I_3			
LayerManagment/UserSide/State80/Valid/	L2U_L80_V_1			
LayerManagment/UserSide/State80/Valid/	L2U_L80_V_2			
LayerManagment/UserSide/State80/Valid/	L2U_L80_V_3			
LayerManagment/UserSide/State80/Inopportune/	L2U_L80_I_1			
LayerManagment/UserSide/State80/Inopportune/	L2U_L80_I_2			
LayerManagment/UserSide/State80/Inopportune/	L2U_L80_I_3			
DataControl/state9/Valid/	L2C_D90_V_1	Stablestate9		
DataControl/state9/Valid/	L2C_D90_V_2	Stablestate9andUnables7		
DataControl/state9/Inopportune/	L2C_D90_I_1	Stablestate9		
DataControl/state9/Inopportune/	L2C_D90_I_2	Stablestate9andUnables7		
DataControl/state9/Inopportune/	L2C_D90_I_3	Stablestate9		

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/state9/Inopp ortune/	L2C_D90_I_4	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_5	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_6	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_7	Stablestate9andUnableS7		
DataControl/state9/Inopp ortune/	L2C_D90_I_8	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_9	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_10	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_11	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_12	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_13	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_14	Stablestate9		
DataControl/state9/Inopp ortune/	L2C_D90_I_15	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_1	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_2	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_3	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_4	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_5	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_7	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_8	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_9	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_10	Stablestate9		
DataControl/state9/Synta cticallyInvalid/	L2C_D90_S_11	Stablestate9		
DataControl/State51/Vali d/	L2C_D51_V_1			
DataControl/State51/Vali d/	L2C_D51_V_2			
DataControl/State70/Vali d/	L2C_D70_V_1			
DataControl/State70/Vali d/	L2C_D70_V_2			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State70/Valid/	L2C_D70_V_3			
DataControl/State70/Valid/	L2C_D70_V_4			
DataControl/State70/Valid/	L2C_D70_V_5			
DataControl/State70/Valid/	L2C_D70_V_6			
DataControl/State70/Valid/	L2C_D70_V_7			
DataControl/State70/Valid/	L2C_D70_V_8			
DataControl/State70/Valid/	L2C_D70_V_9			
DataControl/State70/Valid/	L2C_D70_V_10			
DataControl/State70/Valid/	L2C_D70_V_11			
DataControl/State70/Valid/	L2C_D70_V_12			
DataControl/State70/Valid/	L2C_D70_V_13			
DataControl/State70/Valid/	L2C_D70_V_14			
DataControl/State70/Valid/	L2C_D70_V_15			
DataControl/State70/Valid/	L2C_D70_V_16			
DataControl/State70/Inopportune/	L2C_D70_I_1			
DataControl/State70/Inopportune/	L2C_D70_I_2			
DataControl/State70/Inopportune/	L2C_D70_I_3			
DataControl/State70/Inopportune/	L2C_D70_I_4			
DataControl/State70/Inopportune/	L2C_D70_I_5			
DataControl/State70/Inopportune/	L2C_D70_I_6			
DataControl/State70/Inopportune/	L2C_D70_I_7			
DataControl/State70/Inopportune/	L2C_D70_I_8			
DataControl/State70/Inopportune/	L2C_D70_I_9			
DataControl/State70/Inopportune/	L2C_D70_I_10			
DataControl/State70/Inopportune/	L2C_D70_I_11			
DataControl/State70/Inopportune/	L2C_D70_I_12			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State70/Inoportune/	L2C_D70_I_13			
DataControl/State70/Inoportune/	L2C_D70_I_14			
DataControl/State70/Inoportune/	L2C_D70_I_15			
DataControl/State70/Inoportune/	L2C_D70_I_16			
DataControl/State70/Inoportune/	L2C_D70_I_17			
DataControl/State70/Inoportune/	L2C_D70_I_18			
DataControl/State70/Inoportune/	L2C_D70_I_19			
DataControl/State70/Inoportune/	L2C_D70_I_20			
DataControl/State70/Inoportune/	L2C_D70_I_21			
DataControl/State70/Inoportune/	L2C_D70_I_22			
DataControl/State70/Inoportune/	L2C_D70_I_23			
DataControl/State70/Inoportune/	L2C_D70_I_24			
DataControl/State70/Inoportune/	L2C_D70_I_25			
DataControl/State70/Inoportune/	L2C_D70_I_26			
DataControl/State70/Inoportune/	L2C_D70_I_27			
DataControl/State70/Inoportune/	L2C_D70_I_28			
DataControl/State70/Inoportune/	L2C_D70_I_29			
DataControl/State70/Inoportune/	L2C_D70_I_30			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_1			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_2			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_3			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_4			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_5			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_6			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_8			
DataControl/State70/Syn tacticallyInvalid/	L2C_D70_S_9			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_1	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_2	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_3	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_4	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_5	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_6	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_7	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_8	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_9	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_10	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_11	K_equal_7		
DataControl/State70/Out standing_I_frames/Valid/	L2C_D70OI_V_12	K_equal_7		
DataControl/State70/Out standing_I_frames/Inopp ortune/	L2C_D70OI_I_1	K_equal_7		
DataControl/State70/Out standing_I_frames/Inopp ortune/	L2C_D70OI_I_2	K_equal_7		
DataControl/State70/Out standing_I_frames/Inopp ortune/	L2C_D70OI_I_3	K_equal_7		
DataControl/State70/Out standing_I_frames/Inopp ortune/	L2C_D70OI_I_4	K_equal_7		
DataControl/State70/Out standing_I_frames/Inopp ortune/	L2C_D70OI_I_5	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_1			
DataControl/State70/Tim er/	L2C_D70_T_2	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_3	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_4	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_5	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_6	K_equal_7		
DataControl/State70/Tim er/	L2C_D70_T_7	K_equal_7		

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State71/Valid/	L2C_D71_V_1			
DataControl/State71/Valid/	L2C_D71_V_2			
DataControl/State71/Inoportune/	L2C_D71_I_1			
DataControl/State71/Inoportune/	L2C_D71_I_2			
DataControl/State74/Valid/	L2C_D74_V_1			
DataControl/State74/Valid/	L2C_D74_V_2			
DataControl/State74/Valid/	L2C_D74_V_3			
DataControl/State74/Valid/	L2C_D74_V_4			
DataControl/State74/Valid/	L2C_D74_V_5			
DataControl/State74/Valid/	L2C_D74_V_6			
DataControl/State74/Valid/	L2C_D74_V_7			
DataControl/State74/Valid/	L2C_D74_V_8			
DataControl/State74/Valid/	L2C_D74_V_9			
DataControl/State74/Valid/	L2C_D74_V_10			
DataControl/State74/Valid/	L2C_D74_V_11			
DataControl/State74/Valid/	L2C_D74_V_12			
DataControl/State74/Valid/	L2C_D74_V_13			
DataControl/State74/Inoportune/	L2C_D74_I_1			
DataControl/State74/Inoportune/	L2C_D74_I_2			
DataControl/State74/Inoportune/	L2C_D74_I_3			
DataControl/State74/Inoportune/	L2C_D74_I_4			
DataControl/State74/Inoportune/	L2C_D74_I_5			
DataControl/State74/Inoportune/	L2C_D74_I_6			
DataControl/State74/Inoportune/	L2C_D74_I_7			
DataControl/State74/Inoportune/	L2C_D74_I_8			
DataControl/State74/Inoportune/	L2C_D74_I_9			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State74/Inoportune/	L2C_D74_I_10			
DataControl/State74/Inoportune/	L2C_D74_I_11			
DataControl/State74/Inoportune/	L2C_D74_I_12			
DataControl/State74/Inoportune/	L2C_D74_I_13			
DataControl/State74/Inoportune/	L2C_D74_I_14			
DataControl/State74/Inoportune/	L2C_D74_I_15			
DataControl/State74/Inoportune/	L2C_D74_I_16			
DataControl/State74/Inoportune/	L2C_D74_I_17			
DataControl/State74/Inoportune/	L2C_D74_I_18			
DataControl/State74/Inoportune/	L2C_D74_I_19			
DataControl/State74/Inoportune/	L2C_D74_I_20			
DataControl/State74/Inoportune/	L2C_D74_I_21			
DataControl/State74/Inoportune/	L2C_D74_I_22			
DataControl/State74/Inoportune/	L2C_D74_I_23			
DataControl/State74/Inoportune/	L2C_D74_I_24			
DataControl/State74/Inoportune/	L2C_D74_I_25			
DataControl/State74/Inoportune/	L2C_D74_I_26			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_1			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_2			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_3			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_4			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_5			
DataControl/State74/Syn tacticallyInvalid/	L2C_D74_S_6			
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_1	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_2	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_3	K_equal_7		

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_4	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_5	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_6	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_7	K_equal_7		
DataControl/State74/Out standing_I_frame/Valid/	L2C_D74OI_V_8	K_equal_7		
DataControl/State74/Out standing_I_frame/Inoppo rtune/	L2C_D74OI_I_1	K_equal_7		
DataControl/State74/Out standing_I_frame/Inoppo rtune/	L2C_D74OI_I_2	K_equal_7		
DataControl/State74/Out standing_I_frame/Inoppo rtune/	L2C_D74OI_I_3	K_equal_7		
DataControl/State74/Out standing_I_frame/Inoppo rtune/	L2C_D74OI_I_4	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_1	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_2	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_3	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_4	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_5	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_6	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_7	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_8	K_equal_7		
DataControl/State74/Tim er/	L2C_D74_T_9			
DataControl/State75/Vali d/	L2C_D75_V_1			
DataControl/State75/Vali d/	L2C_D75_V_2			
DataControl/State75/Ino pportune/	L2C_D75_I_1			
DataControl/State75/Ino pportune/	L2C_D75_I_2			
DataControl/State80/Vali d/	L2C_D80_V_1			
DataControl/State80/Vali d/	L2C_D80_V_2			
DataControl/State80/Vali d/	L2C_D80_V_3			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State80/Valid/	L2C_D80_V_4			
DataControl/State80/Valid/	L2C_D80_V_5			
DataControl/State80/Valid/	L2C_D80_V_6			
DataControl/State80/Valid/	L2C_D80_V_7			
DataControl/State80/Inopportune/	L2C_D80_I_1			
DataControl/State80/Inopportune/	L2C_D80_I_2			
DataControl/State80/Inopportune/	L2C_D80_I_3			
DataControl/State80/Inopportune/	L2C_D80_I_4			
DataControl/State80/Inopportune/	L2C_D80_I_5			
DataControl/State80/Inopportune/	L2C_D80_I_6			
DataControl/State80/Inopportune/	L2C_D80_I_7			
DataControl/State80/Inopportune/	L2C_D80_I_8			
DataControl/State80/Inopportune/	L2C_D80_I_9			
DataControl/State80/Inopportune/	L2C_D80_I_10			
DataControl/State80/Inopportune/	L2C_D80_I_11			
DataControl/State80/Inopportune/	L2C_D80_I_12			
DataControl/State80/Inopportune/	L2C_D80_I_13			
DataControl/State80/Inopportune/	L2C_D80_I_14			
DataControl/State80/Inopportune/	L2C_D80_I_15			
DataControl/State80/Inopportune/	L2C_D80_I_16			
DataControl/State80/Inopportune/	L2C_D80_I_17			
DataControl/State80/Inopportune/	L2C_D80_I_18			
DataControl/State80/Inopportune/	L2C_D80_I_19			
DataControl/State80/Inopportune/	L2C_D80_I_20			
DataControl/State80/Inopportune/	L2C_D80_I_21			
DataControl/State80/Inopportune/	L2C_D80_I_22			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State80/Inoportune/	L2C_D80_I_23			
DataControl/State80/Inoportune/	L2C_D80_I_24			
DataControl/State80/Inoportune/	L2C_D80_I_25			
DataControl/State80/Inoportune/	L2C_D80_I_26			
DataControl/State80/Inoportune/	L2C_D80_I_27			
DataControl/State80/Inoportune/	L2C_D80_I_28			
DataControl/State80/Inoportune/	L2C_D80_I_29			
DataControl/State80/Inoportune/	L2C_D80_I_30			
DataControl/State80/Inoportune/	L2C_D80_I_31			
DataControl/State80/Inoportune/	L2C_D80_I_32			
DataControl/State80/Inoportune/	L2C_D80_I_33			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_1			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_2			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_3			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_4			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_5			
DataControl/State80/Syn tacticallyInvalid/	L2C_D80_S_6			
DataControl/State80/Out standing_I_frame/Valid/	L2C_D80OI_V_1	K_equal_7		
DataControl/State80/Out standing_I_frame/Valid/	L2C_D80OI_V_2	K_equal_7		
DataControl/State80/Out standing_I_frame/Inoportune/	L2C_D80OI_I_1	K_equal_7		
DataControl/State80/Out standing_I_frame/Inoportune/	L2C_D80OI_I_2	K_equal_7		
DataControl/State80/Timer/	L2C_D80_T_1			
DataControl/State80/Timer/	L2C_D80_T_2	DataLinkMonitor		
DataControl/State80/Counter/	L2C_D80_C_1			
DataControl/State81/Valid/	L2C_D81_V_1			
DataControl/State81/Valid/	L2C_D81_V_2			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State81/Inoportune/	L2C_D81_I_1			
DataControl/State81/Inoportune/	L2C_D81_I_2			
DataControl/State84/Valid/	L2C_D84_V_1			
DataControl/State84/Valid/	L2C_D84_V_2			
DataControl/State84/Valid/	L2C_D84_V_3			
DataControl/State84/Valid/	L2C_D84_V_4			
DataControl/State84/Valid/	L2C_D84_V_5			
DataControl/State84/Inoportune/	L2C_D84_I_1			
DataControl/State84/Inoportune/	L2C_D84_I_2			
DataControl/State84/Inoportune/	L2C_D84_I_3			
DataControl/State84/Inoportune/	L2C_D84_I_4			
DataControl/State84/Inoportune/	L2C_D84_I_5			
DataControl/State84/Inoportune/	L2C_D84_I_6			
DataControl/State84/Inoportune/	L2C_D84_I_7			
DataControl/State84/Inoportune/	L2C_D84_I_8			
DataControl/State84/Inoportune/	L2C_D84_I_9			
DataControl/State84/Inoportune/	L2C_D84_I_10			
DataControl/State84/Inoportune/	L2C_D84_I_11			
DataControl/State84/Inoportune/	L2C_D84_I_12			
DataControl/State84/Inoportune/	L2C_D84_I_13			
DataControl/State84/Inoportune/	L2C_D84_I_14			
DataControl/State84/Inoportune/	L2C_D84_I_15			
DataControl/State84/Inoportune/	L2C_D84_I_16			
DataControl/State84/Inoportune/	L2C_D84_I_17			
DataControl/State84/Inoportune/	L2C_D84_I_18			
DataControl/State84/Inoportune/	L2C_D84_I_19			

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State84/Inoportune/	L2C_D84_I_20			
DataControl/State84/Inoportune/	L2C_D84_I_21			
DataControl/State84/Inoportune/	L2C_D84_I_22			
DataControl/State84/Inoportune/	L2C_D84_I_23			
DataControl/State84/Inoportune/	L2C_D84_I_24			
DataControl/State84/Inoportune/	L2C_D84_I_25			
DataControl/State84/Inoportune/	L2C_D84_I_26			
DataControl/State84/Inoportune/	L2C_D84_I_27			
DataControl/State84/Inoportune/	L2C_D84_I_28			
DataControl/State84/Inoportune/	L2C_D84_I_29			
DataControl/State84/Inoportune/	L2C_D84_I_30			
DataControl/State84/Inoportune/	L2C_D84_I_31			
DataControl/State84/Inoportune/	L2C_D84_I_32			
DataControl/State84/Inoportune/	L2C_D84_I_33			
DataControl/State84/Inoportune/	L2C_D84_I_34			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_1			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_2			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_3			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_4			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_5			
DataControl/State84/Syn tacticallyInvalid/	L2C_D84_S_6			
DataControl/State84/Out standing_I_frame/Valid/	L2C_D84OI_V_1	K_equal_7		
DataControl/State84/Out standing_I_frame/Valid/	L2C_D84OI_V_2	K_equal_7		
DataControl/State84/Out standing_I_frame/Inoportune/	L2C_D84OI_I_1	K_equal_7		
DataControl/State84/Out standing_I_frame/Inoportune/	L2C_D84OI_I_2	K_equal_7		

Continued on next page

Continued from previous page

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
DataControl/State84/Out standing_I_frame/Inoppo rtune/	L2C_D84OI_I_3	K_equal_7		
DataControl/State84/Tim er/	L2C_D84_T_1			
DataControl/State84/Tim er/	L2C_D84_T_2			
DataControl/State84/Cou nters/	L2C_D84_C_1			
DataControl/State85/Vali d/	L2C_D85_V_1			
DataControl/State85/Vali d/	L2C_D85_V_2			
DataControl/State85/Ino pportune/	L2C_D85_I_1			
DataControl/State85/Ino pportune/	L2C_D85_I_2			
Multi/	L2C_M70_V1			
Multi/	L2C_270_V1			
Detailed Comments :				

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Preambles/	PR_ISDN_10_01	K_equal_7	
Preambles/	PR_ISDN_40_01		
Preambles/	PR_90_01		
Preambles/	PR_51_01		
Preambles/	PR_51_02		
Preambles/	PR_70_01		
Preambles/	PR_ISDN_70_01		
Preambles/	PR_70_02		
Preambles/	PR_70_OI_01		
Preambles/	PR_71_01		
Preambles/	PR_74_01		
Preambles/	PR_74_02		
Preambles/	PR_74_OI_01		
Preambles/	PR_75_01		
Preambles/	PR_80_01		
Preambles/	PR_80_OI_01		
Preambles/	PR_81_01		
Preambles/	PR_84_01		
Preambles/	PR_84_02		
Preambles/	PR_84_03		
Preambles/	PR_84_OI_01		
Preambles/	PR_85_01		
Postambles/	PO_90_01		
Postambles/	PO_90_01m		
Postambles/	PO_90_02		
Postambles/	PO_END		
Postambles/	PO_ENDm		
Check/	CS_90_01		
Check/	CS_5n_01		
Check/	CS_70_01		
Check/	CS_70_01m		
Check/	CS_70_02		
Check/	CS_70_03		
Check/	CS_71_01		
Check/	CS_71_02		
Check/	CS_74_01		
Check/	CS_74_02		
Check/	CS_75_01		
Check/	CS_80_01		
Check/	CS_80_02		
Check/	CS_81_01		
Check/	CS_84_01		
Check/	CS_84_02		
Check/	CS_85_01		

Continued on next page

Continued from previous page

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Miscellaneous/	OTHER_TEI	Generates a TEI value which is one less than the minimum number of the port assignment range. For the table of PSTN port assignments see Table 1 of EN 301 141-1.	
Detailed Comments :			

Default Index			
Default Group Reference	Default Id	Description	Page Nr
	DF_1 DF_2 DF_ISDN_1		
Detailed Comments :			

II

Declarations Part

Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
SAPI_TYPE	BITSTRING[6]		SAPI value (0 .. 63)
TEI_TYPE	BITSTRING[7]		TEI value (0 .. 127)
N_TYPE	BITSTRING[7]		Sequence number (0 .. 127)
O_1	OCTETSTRING[1]		
O_2	OCTETSTRING[2]		
Detailed Comments :			

Structured Type Definition			
Type Name : LM_MESSAGE			
Encoding Variation :			
Comments : Type definition for layer management message.			
Element Name	Type Definition	Field Encoding	Comments
ID	OCTETSTRING[1]		Layer management entity identifier
RID	HEXSTRING[4]		Reference number 0 .. 65535
MT	OCTETSTRING[1]		Message type
AI	BITSTRING[7]		Action indicator
AI_E	BITSTRING[1]		Action indicator extension bit
Detailed Comments :			

Structured Type Definition			
Type Name : L3_MESSAGE			
Encoding Variation :			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
PROT_DISCR	BITSTRING[8]		
CALLREF OCT1	BITSTRING[8]		
FLAG	BITSTRING[1]		
CR	BITSTRING[7 .. 15]		1 or 2 octets call reference
MESSAGE TYPE	BITSTRING[8]		
REST INFO	OCTETSTRING[0 .. 260]		(1)
Detailed Comments : (1) N201 is used in order to create error message with a length exceeding N201			

Structured Type Definition			
Type Name : L3_ISDN_MESSAGE Encoding Variation : Comments :			
Element Name	Type Definition	Field Encoding	Comments
PROT_DISCR	BITSTRING[8]		1 or 2 octets call reference (1)
CALLREFOCT1	BITSTRING[8]		
FLAG	BITSTRING[1]		
CR	BITSTRING[7 .. 15]		
MESSAGETYPE	BITSTRING[8]		
RESTINFO	OCTETSTRING[0 .. 260]		
Detailed Comments : (1) N201 is used in order to create error message with a length exceeding N201			

Structured Type Definition			
Type Name : pstn_status_enq Encoding Variation : Comments : Ref.: EN 300 324-1, 13.3.6, table 10			
Element Name	Type Definition	Field Encoding	Comments
protocol_discriminator	O_1		m
layer_3_address	O_2		m
message_type	O_1		m
Detailed Comments : STATUS ENQUIRY message			

Structured Type Definition			
Type Name : pstn_any_pdu Encoding Variation : Comments : Reference EN 300 324-1. clause 13.3			
Element Name	Type Definition	Field Encoding	Comments
protocol_discriminator	O_1		m
layer_3_address	O_2		m
message_type	O_1		m
extra_fields	OCTETSTRING[0..11]		
Detailed Comments : Any PSTN message can fit into this type definition			

Test Suite Operation Definition	
Operation Name : FCS_VALUE	
Result Type : OCTETSTRING	
Comments :	
Description	
The return value represents the 2 octet FCS field contained in any layer 2 frames.	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : INVALID_FCS	
Result Type : OCTETSTRING	
Comments :	
Description	
The return value represents an invalid 2 octet FCS field for test cases of the syntactically invalid test groups.	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : RANDOM(low : INTEGER ; high : INTEGER)	
Result Type : INTEGER	
Comments :	
Description	
The return value represents a random value between "low" and "high" values. This operation is useful to provide the RI value during TEI management.	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: CR_CMD(S_R, IUT_TYPE: BOOLEAN)
Result Type	: BITSTRING
Comments	: Calculate the C/R bitstring for a command frame according to the given condition (send or receive, user or network)
Description	
<pre> /* S_R: parameter to indicate if the send is to be sent or received. */ /* S_R = 1 -> send, */ /* S_R = 0 -> receive. */ IF IUT_TYPE THEN /* IUT has the user role */ IF S_R THEN /* frame to be sent */ RETURNVALUE '1'B ELSE /* frame to be received */ RETURNVALUE '0'B ENDIF ELSE /* IUT has the network role */ IF S_R THEN /* frame to be sent */ RETURNVALUE '0'B ELSE /* frame to be received */ RETURNVALUE '1'B ENDIF ENDIF </pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: CR_RSP(S_R, IUT_TYPE: BOOLEAN)
Result Type	: BITSTRING
Comments	: Calculate the C/R bitstring for a response frame according to the given condition (send or receive, user or network)
Description	
<pre> /* S_R: parameter to indicate if the frame is to be sent or received. */ /* S_R = 1 -> send, */ /* S_R = 0 -> receive. */ IF IUT_TYPE THEN /* IUT has the user role */ IF S_R THEN /* frame to be sent */ RETURNVALUE '0'B ELSE /* frame to be received */ RETURNVALUE '1'B ENDIF ELSE /* IUT has the network role */ IF S_R THEN /* frame to be sent */ RETURNVALUE '1'B ELSE /* frame to be received */ RETURNVALUE '0'B ENDIF ENDIF </pre>	
Detailed Comments :	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
PC_USER	BOOLEAN	EN 300 402-4, PICS R 2.1	TRUE if the IUT has the user role. Set to TRUE for NTN ATS.
PC_K	INTEGER	EN 300 402-4, PICS SP 3	Maximum number of outstanding I frames.
PC_NBR_PSTN_PORTS	INTEGER	EN 301 141-2, PICS Table A.7	The total number of PSTN ports served by PSTN-GW
PX_K7	BOOLEAN	EN 300 402-4, PIXIT 1.1	True if the maximum number of outstanding I frames is 7.
PX_UNABLE_S7	BOOLEAN	EN 300 402-4, PIXIT 2.3	True if the IUT can reach the state 9 and is not able to establish the link
PX_T200MIN	INTEGER	EN 300 402-4, PIXIT 3.1	Minimum value for the corresponding timer.
PX_T200MAX	INTEGER	EN 300 402-4, PIXIT 3.2	Maximum value for the corresponding timer.
PX_TWL3	INTEGER	EN 300 402-4, PIXIT 3.10	Timer for a response generated by layer 3
PX_TNOAC1	INTEGER	EN 300 402-4, PIXIT 3.11	(1)
PX_TNOAC2	INTEGER	EN 300 402-4, PIXIT 3.12	(2)
PX_TAC	INTEGER	EN 300 402-4, PIXIT 3.13	IUT response Timer value in ms (200ms rec.) .
PX_TWAIT	INTEGER	EN 300 402-4, PIXIT 3.14	Operator reaction timer value in s (>10s rec.).
PX_UNUSED_SAPI	INTEGER	EN 300 402-4, PIXIT 5.2	SAPI value not supported by the IUT.
PX_T202MAX	INTEGER	PIXIT 3.6	Maximum value for the corresponding timer.
PC_AUTOMAT_TEI	BOOLEAN	PICS MC 3.1.1	TRUE if the ISDN-BA port supports the automatic TEI assignment procedures.
PX_ISDN_TEI_VALUE	INTEGER	PIXIT 5.1	Non-automatic TEI value used by ISDN-BA port when PC_AUTOMAT_TEI = false.
PX_ISDN_EST_ON_UI_SETUP	BOOLEAN	PIXIT 2.4	True if layer 3 send a DL_EST_RQ primitive in state 1 on receipt of a setup message in a UI frame
PX_CRV_L	INTEGER	PIXIT 5.4	ISDN Layer 3 Call Reference Field Length in bits (7 for BRA, 15 for PRA)
PX_CRL_V	INTEGER	PIXIT 5.3	ISDN Layer 3 Call Reference Length Value in octets (1 for BRA, 2 for PRA)
PX_TIDREQ	INTEGER	PIXIT 3.9	Timer for Identity Request
Detailed Comments : (1) Timer value in s (3s recommended) to check the non reaction of the IUT when no timer is active (T200) so TNOAC1>T200. (2) Timer value in ms (500 ms recommended) to check the non reaction of the IUT when a timer is active (T200) so TNOAC2<T200.			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
User	PC_USER	IUT is NTN
K_equal_7	PX_K7	
Stablestate9	TRUE	True if the IUT is stable in state 9
Stablestate9andUnableS7	PX_UNABLE_S7	True if the IUT is stable in state 9 and is not able to enter state 7.0
DataLinkMonitor	FALSE	TRUE if the IUT supports timer T203.
Detailed Comments :		

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
SND	BOOLEAN	TRUE	Indicate send (1)
RCV	BOOLEAN	FALSE	Indicate receive (1)
FLAG_SEQUENCE	BITSTRING	'01111110'B	Opening and closing flag sequence.
N200	INTEGER	3	Maximum number of retransmissions of a frame (5.9.2).
N201	INTEGER	260	Maximum octet number in an information field (5.9.3).
N201_plus_1	INTEGER	261	Maximum octet number in an information field + 1 (5.9.3).
N202	INTEGER	3	Maximum number of transmissions of the TEI identity request message (5.9.4).
P0	BITSTRING	'0'B	0 Poll bit
F0	BITSTRING	'0'B	0 Final bit
P1	BITSTRING	'1'B	1 Poll bit
F1	BITSTRING	'1'B	1 Final bit
INFO_TOO_LONG	OCTETSTRING	'00000000000000000000 00000000000000000000' O	more than 260 octets

Detailed Comments : (1) Value used by the test suite operation to determine if the frame is to be sent or received (value = S -> frame sent)

Test Suite Variable Declarations			
Variable Name	Type	Value	Comments
C_TEI	INTEGER	126	Current TEI value assigned to the data link. TEI of first assigned PSTN port in NTN. All single PSTN port tests use this number.
Detailed Comments :			

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
RID_TEST	HEXSTRING		
NR	INTEGER	0	N(R) from tester side
NR_ORIG	INTEGER	0	Original NR used for multi PSTN port test
NR_ISDN	INTEGER	0	To keep track of ISDN NR while testing PSTN concurrently
NS	INTEGER	0	N(S) from tester side
NS_ORIG	INTEGER	0	Original NS used for multi PSTN port tes
NS_ISDN	INTEGER	0	To keep track of ISDN NS while testing PSTN concurrently
RC	INTEGER	0	retransmission counter
AI	INTEGER	0	action indicator
RID	INTEGER	0	reference number
TEMP_TEI	INTEGER	0	Store a TEI value to be used temporaly. (1)
TMP	INTEGER	0	dummy variable
TMP1	INTEGER	0	dummy variable
E_FLAG	BOOLEAN	FALSE	Used within REPEAT step
S_FLAG	BOOLEAN	FALSE	Used within REPEAT step
TEI_FLAG	BOOLEAN	FALSE	Used within REPEAT step
PORTS_LEFT	INTEGER	0	Counts down the number of PSTN ports
ISDN_TEI	INTEGER	0	ISDN-BA port TEI
Detailed Comments : (1) for example, to send a SABME frame with a randomized TEI value, use the TEMP_TEI variable and not C_TEI which is equal to 126.			

PCO Type Declarations		
PCO Type	Role	Comments
PSAP	LT	
Detailed Comments :		

PCO Declarations			
PCO Name	PCO Type	Role	Comments
L	PSAP	LT	Physical D-channel service access point at the lower tester
Detailed Comments :			

Timer Declarations			
Timer Name	Duration	Unit	Comments
TWL3	PX_TWL3	ms	Maximum time for a response generated by layer 3
TWAIT	PX_TWAIT	s	Used by the tester for test synchronization with external procedure
TNOAC1	PX_TNOAC1	s	Ensures no response from the IUT, used when T200 is not running.
TNOAC2	PX_TNOAC2	ms	Ensures no response from the IUT, used when T200 is running.
TAC	PX_TAC	ms	Ensures response from IUT, FAIL on timeout
T_MIN		ms	Minimum value timer
T_MAX		ms	Maximum value timer
TIDREQ	PX_TIDREQ	ms	Timer for Identity Request
Detailed Comments :			

ASP Type Definition		
ASP Name : PH_DATA_RQ (PH_DATA_Request)		
PCO Type : PSAP		
Comments : see table 6/Q.921		
Parameter Name	Parameter Type	Comments
PI (Priority Indicator)	INTEGER	Data Link Layer peer-to-peer message
MU (Message Unit)	PDU	
Detailed Comments :		

ASP Type Definition		
ASP Name : PH_DATA_IN (PH_DATA_Indication) PCO Type : PSAP Comments : see table 6/Q.921		
Parameter Name	Parameter Type	Comments
MU (Message Unit)	PDU	Data Link Layer peer-to-peer message
Detailed Comments :		

ASP Type Definition		
ASP Name : PH_ACT_IN (PH_Activate_Indication) PCO Type : PSAP Comments : see table 6/Q.921		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : PH_DEACT_IN (PH_Deactivate_Indication) PCO Type : PSAP Comments : see table 6/Q.921		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : PH_DATA_IN_UI_M (PH_DATA_Indication) PCO Type : PSAP Comments : see table 6/Q.921		
Parameter Name	Parameter Type	Comments
MU (Message Unit)	UI_LM_PDU	Data Link Layer peer-to-peer layer management message. (1)
Detailed Comments : (1) the use of this type will permit to access the layer management message fields.		

PDU Type Definition			
PDU Name : I_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Information frame type			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
SEND_SEQ_NR (Send sequence number)	N_TYPE		
CONTROL	BITSTRING [1]		
RECEIVE_SEQ_NR (Receive sequence number)	N_TYPE		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
INFO (Information field)	pstn_any_pdu		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : I_ISDN_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Information frame type			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
SEND_SEQ_NR (Send sequence number)	N_TYPE		
CONTROL	BITSTRING [1]		
RECEIVE_SEQ_NR (Receive sequence number)	N_TYPE		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
INFO (Information field)	L3_ISDN_MESSAGE		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : S_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Supervisory frame type (RR, RNR and REJ)			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL	OCTETSTRING [1]		
RECEIVE_SEQ_NR(Receive sequence number)	N_TYPE		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
INFO (Information field)	OCTETSTRING[0 .. N201]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : U_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type (SABME, DM, UI, DISC, UA, FRMR and XID) Layer management UI frames are declared in a separate PDU Type definition.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT(Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO (Information field)	OCTETSTRING[0 .. N201]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : U_PDU_FRMR PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type (FRMR)			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT(Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
REJ_FRAME	OCTETSTRING [2]		
VS	BITSTRING [7]		
OCTET7_BIT1	BITSTRING [1]		
VR	BITSTRING [7]		
C_RESP	BITSTRING [1]		
WXYZ_COMP	OCTETSTRING [1]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : UI_LM_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type for layer management message.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO (Information field)	LM_MESSAGE		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : UI_L3_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type for layer 3 message.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO (Information field)	pstn_any_pdu		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : UI_ISDN_L3_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type for layer 3 message.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO (Information field)	L3_ISDN_MESSAGE		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : ERR_UI_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type (SABME, DM, UI, DISC, UA, FRMR and XID) with an additional 4 bits field in order to send a frame not consisting of an integral number of octets (subclause 2.9.c).			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT(Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO_1 (Information field)	LM_MESSAGE		(1)
INFO_2 (Information field)	pstn_status_enq		(1)
ERROR_FIELD	BITSTRING [4]		(2)
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) Field not consisting of an octet, as consequence, the frame does not consist of an integral number of octet.			

PDU Type Definition			
PDU Name : ERR_UI_PDU_L3_TOO_LONG PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type (SABME, DM, UI, DISC, UA, FRMR and XID) with an additional 4 bits field in order to send a frame not consisting of an integral number of octets (subclause 2.9.c).			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT(Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO_1 (Information field)	LM_MESSAGE		(1)
INFO_2 (Information field)	pstn_any_pdu		(1)
ERROR_FIELD	BITSTRING [4]		(2)
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) Field not consisting of an octet, as consequence, the frame does not consist of an integral number of octet.			

PDU Type Definition			
PDU Name : I_TOO_LONG_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Information frame type with information field too long.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
SEND_SEQ_NR (Send sequence number)	N_TYPE		
CONTROL	BITSTRING [1]		
RECEIVE_SEQ_NR (Receive sequence number)	N_TYPE		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
INFO (Information field)	OCTETSTRING[N201_plus_1]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : S_TOO_LONG_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Supervisory frame type (RR, RNR and REJ) with information field too long.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL	OCTETSTRING [1]		
RECEIVE_SEQ_NR (Receive sequence number)	N_TYPE		
P_F_BIT (Poll/Final bit)	BITSTRING [1]		
INFO (Information field)	OCTETSTRING[N201 .. INFINITY]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

PDU Type Definition			
PDU Name : U_TOO_LONG_PDU PCO Type : PSAP Encoding Rule Name : Encoding Variation : Comments : Unnumbered frame type (SABME, DM, UI, DISC, UA, FRMR and XID) with information field too long.			
Field Name	Field Type	Field Encoding	Comments
OPENING_FLAG	BITSTRING [8]		
SAPI (Service access point identifier)	SAPI_TYPE		
C_R (Command/Response bit)	BITSTRING [1]		
EA2 (Address field extension bit)	BITSTRING [1]		
TEI (Terminal endpoint identifier)	TEI_TYPE		
EA3 (Address field extension bit)	BITSTRING [1]		
CONTROL2	BITSTRING [3]		
P_F_BIT(Poll/Final bit)	BITSTRING [1]		
CONTROL1	BITSTRING [4]		
INFO (Information field)	OCTETSTRING[N201 .. INFINITY]		
FCS (Frame check sequence field)	OCTETSTRING [2]		
CLOSING_FLAG	BITSTRING [8]		
Detailed Comments :			

Alias Definitions		
Alias Name	Expansion	Comments
FRr	PH_DATA_IN	Receive a frame
FRs	PH_DATA_RQ	Send a frame
UI_Mr	PH_DATA_IN_UI_M	Receive a UI_M frame
Detailed Comments :		

III

Constraints Part

Structured Type Constraint Declaration			
Constraint Name : ID_ASSIGNEDs(Ri : INTEGER ; Ai : INTEGER) Structured Type : LM_MESSAGE Derivation Path : Encoding Variation : Comments : Identity assigned message sent by the tester.			
Element Name	Element Value	Element Encoding	Comments
ID	'0F'O		Layer management entity identifier
RID	INT_TO_HEX(Ri,4)		Ri = formal parameter
MT	'02'O		Identity assigned
AI	INT_TO_BIT(Ai,7)		Ai = formal parameter
AI_E	'1'B		Action indicator extension bit
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ID_DENIEDs(Ri : INTEGER ; Ai : INTEGER) Structured Type : LM_MESSAGE Derivation Path : Encoding Variation : Comments : Identity denied message sent by the tester.			
Element Name	Element Value	Element Encoding	Comments
ID	'0F'O		Layer management entity identifier
RID	INT_TO_HEX(Ri,4)		Ri = formal parameter
MT	'03'O		Identity denied
AI	INT_TO_BIT(Ai,7)		Ai = formal parameter
AI_E	'1'B		Action indicator extension bit
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ID_CHECK_RQs (Ri:INTEGER;Ai:INTEGER)			
Structured Type : LM_MESSAGE			
Derivation Path :			
Encoding Variation :			
Comments : Identity check request message sent by the tester.			
Element Name	Element Value	Element Encoding	Comments
ID	'0F'O		Layer management entity id.
RID	INT_TO_HEX(Ri,4)		Ri = formal parameter
MT	'04'O		Identity check request
AI	INT_TO_BIT(Ai,7)		Ai = formal parameter
AI_E	'1'B		Action indicator extension bit
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ID_REMOVES(Ri : INTEGER ; Ai : INTEGER)			
Structured Type : LM_MESSAGE			
Derivation Path :			
Encoding Variation :			
Comments : Identity remove message sent by the tester.			
Element Name	Element Value	Element Encoding	Comments
ID	'0F'O		Layer management entity identifier
RID	INT_TO_HEX(Ri,4)		Ri = formal parameter
MT	'06'O		Identity remove
AI	INT_TO_BIT(Ai,7)		Ai = formal parameter
AI_E	'1'B		Action indicator extension bit
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_NO Structured Type : pstrn_status_enq Derivation Path : Encoding Variation : Comments : Layer 3 message sent by the tester containing invalid protocol discriminator value.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	'00'O		
layer_3_address	–		
message_type	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_ANY_MESSAGE Structured Type : pstn_any_pdu Derivation Path : Encoding Variation : Comments : Any layer 3 PSTN message received by the tester.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	?		
layer_3_address	?		
message_type	?		
extra_fields	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_ISDN_ANY_MESSAGE Structured Type : L3_ISDN_MESSAGE Derivation Path : Encoding Variation : Comments : Any layer 3 message received by the tester.			
Element Name	Element Value	Element Encoding	Comments
PROT_DISCR	?		
CALLREFOCT1	?		
FLAG	?		
CR	?		
MESSAGETYPE	?		
RESTINFO	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_STATUS_ENQ			
Structured Type : pstn_any_pdu			
Derivation Path :			
Encoding Variation :			
Comments : I control field and information field encoded as layer 3 STATUS ENQUIRY message.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	'48'O		No B-channel selected
layer_3_address	'0000'O		
message_type	'0C'O		
extra_fields	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_STATUS			
Structured Type : pstn_any_pdu			
Derivation Path :			
Encoding Variation :			
Comments : I control field and information field encoded as layer 3 STATUS message to be received.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	'48'O		No B-channel selected
layer_3_address	'0000'O		
message_type	'0D'O		Multiple pstn fields can be contained herein
extra_fields	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_DISCONNECT_COMPLETE			
Structured Type : pstn_any_pdu			
Derivation Path :			
Encoding Variation :			
Comments : I control field and information field encoded as layer 3 DISCONNECT COMPLETE message to be sent.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	'48'O		No B-channel selected
layer_3_address	'0000'O		
message_type	'09'O		No additional field in this pdu.
extra_fields	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_STATUS_ENQ_TOO_LONG			
Structured Type : pstn_any_pdu			
Derivation Path :			
Encoding Variation :			
Comments : I control field and information field encoded as layer 3 SETUP ENQUIRY message with additional invalid octets.			
Element Name	Element Value	Element Encoding	Comments
protocol_discriminator	'48'O		(1)
layer_3_address	'0000'O		
message_type	'0C'O		
extra_fields	'0000'O		(2)
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ID_REQUESTr Structured Type : LM_MESSAGE Derivation Path : Encoding Variation : Comments : Identity request message received by the tester.			
Element Name	Element Value	Element Encoding	Comments
ID	'0F'O		Layer management entity identifier
RID	?		Reference number
MT	'01'O		Identity request
AI	'1111111'B		Action indicator
AI_E	'1'B		Action indicator extension bit
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : L3_EMPTY_SETUP Structured Type : L3_ISDN_MESSAGE Derivation Path : Encoding Variation : Comments : I control field and information field encoded as layer 3 empty SETUP message (containing no information element).			
Element Name	Element Value	Element Encoding	Comments
PROT_DISCR	'00001000'B		
CALLREFOCT1	INT_TO_BIT(PX_CRL_V,8)		(1)
FLAG	'0'B		
CR	INT_TO_BIT(1,PX_CRV_L)		(2)
MESSAGETYPE	'00000101'B		
RESTINFO	—		
Detailed Comments : (1) PX_CRL_V = Layer 3 Call Ref. Length Value (1 for BRA, 2 for PRA). (2) PX_CRV_L = Layer 3 Call Reference Value Length (7 for BRA, 15 for PRA).			

Structured Type Constraint Declaration			
Constraint Name : L3_RELEASE			
Structured Type : L3_ISDN_MESSAGE			
Derivation Path :			
Encoding Variation :			
Comments : I control field and information field encoded as layer 3 RELEASE message.			
Element Name	Element Value	Element Encoding	Comments
PROT_DISCR	'00001000'B		(1)
CALLREFOCT1	INT_TO_BIT(PX_CRL_V,8)		
FLAG	'0'B		(2)
CR	INT_TO_BIT(1,PX_CRV_L)		
MESSAGETYPE	'01001101'B		
RESTINFO	–		
Detailed Comments : (1) PX_CRL_V = Layer 3 Call Ref. Length Value (1 for BRA, 2 for PRA). (2) PX_CRV_L = Layer 3 Call Reference Value Length (7 for BRA, 15 for PRA).			

ASP Constraint Declaration		
Constraint Name : Fs(PAR:PDU)		
ASP Type : PH_DATA_RQ		
Derivation Path :		
Comments : This constraint is used to send PDUs.		
Parameter Name	Parameter Value	Comments
PI	1	High priority value for SAPI 0
MU	PAR	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : Fr(PAR:PDU) ASP Type : PH_DATA_IN Derivation Path : Comments : This constraint is used to receive PDUs.		
Parameter Name	Parameter Value	Comments
MU	PAR	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : Uir(PAR:UI_LM_PDU) ASP Type : PH_DATA_IN_UI_M Derivation Path : Comments : This constraint is used to receive PDUs with layer management content.		
Parameter Name	Parameter Value	Comments
MU	PAR	
Detailed Comments :		

PDU Constraint Declaration			
Constraint Name : I_BASE(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for Information frames.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	–		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
SEND_SEQ_NR	INT_TO_BIT(N_S,7)		
CONTROL	'0'B		
RECEIVE_SEQ_NR	INT_TO_BIT(N_R,7)		
P_F_BIT	PF		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : I_ISDN_BASE(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_ISDN_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for Information frames.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	–		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
SEND_SEQ_NR	INT_TO_BIT(N_S,7)		
CONTROL	'0'B		
RECEIVE_SEQ_NR	INT_TO_BIT(N_R,7)		
P_F_BIT	PF		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : S_BASE(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for Supervisory frames (RR, RNR, REJ).			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	–		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL	–		
RECEIVE_SEQ_NR	INT_TO_BIT(N_R,7)		
P_F_BIT	PF		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : U_BASE(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for Unnumbered frames (SABME, DM, UI, DISC, UA, FRMR and XID).			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	–		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	–		
P_F_BIT	PF		
CONTROL1	–		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : U_BASE_FRMR(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU_FRMR Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for Unnumbered frame (FRMR).			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	—		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'100'B		
P_F_BIT	PF		
CONTROL1	'0111'B		
REJ_FRAME	—		
VS	'0000000'B		
OCTET7_BIT1	'0'B		
VR	'0000000'B		
C_RESP	'0'B		
WXYZ_COMP	'00'O		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UM_BASE(Ri, Ai : INTEGER) PDU Type : UI_LM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Base constraint for UI frames containing a layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	–		
EA2	'0'B		
TEI	INT_TO_BIT(127,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ls(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER; L3_MESS_P: pstn_any_pdu) PDU Type : I_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : I frame sent by the tester and containing the given INFO field.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
SEND_SEQ_NR	INT_TO_BIT(N_S,7)		
CONTROL	'0'B		
RECEIVE_SEQ_NR	INT_TO_BIT(N_R,7)		
P_F_BIT	PF		
INFO	L3_MESS_P		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IE1(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : I frame with an empty information field sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) –		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN1(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : Any layer 3 message received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(RCV, PC_USER) L3_ANY_MESSAGE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ISDN_IN1(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_ISDN_PDU Derivation Path : I_ISDN_BASE. Encoding Rule Name : Encoding Variation : Comments : Any layer 3 message received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(RCV, PC_USER) L3_ISDN_ANY_MESSAGE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN2(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : STATUS ENQUIRY message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) L3_STATUS_ENQ		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ISDN_IN2(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_ISDN_PDU Derivation Path : I_ISDN_BASE. Encoding Rule Name : Encoding Variation : Comments : RELEASE message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) L3_RELEASE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN3(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : STATUS message received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(RCV, PC_USER) L3_STATUS		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN4(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : STATUS ENQUIRY message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) L3_STATUS_ENQ		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN7(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : STATUS message received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(RCV, PC_USER) L3_STATUS		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IN8(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : DISCONNECT COMPLETE message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) L3_DISCONNECT_COMPL ETE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RRCs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive ready command sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_CMD(SND, PC_USER) '01'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RRRs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive ready response sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_RSP(SND, PC_USER) '01'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RRCr(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive ready command received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_CMD(RCV, PC_USER) '01'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RRRr(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive ready response received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_RSP(RCV, PC_USER) '01'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RNCs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive not ready command sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_CMD(SND, PC_USER) '05'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RNRs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Receive not ready response sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_RSP(SND, PC_USER) '05'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RNC_ANY(TEI_P:INTEGER) PDU Type : S_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive not ready command received by the tester with any value.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(RCV, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL	'05'O		
RECEIVE_SEQ_NR	?		
P_F_BIT	?		
INFO	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RNR_ANY(TEI_P:INTEGER) PDU Type : S_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive not ready response received by the tester with any value.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_RSP(RCV, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL	'05'O		
RECEIVE_SEQ_NR	?		
P_F_BIT	?		
INFO	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RJCs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Reject command sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_CMD(SND, PC_USER) '09'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RJRs(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Reject response sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_RSP(SND, PC_USER) '09'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RJRr(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER) PDU Type : S_PDU Derivation Path : S_BASE. Encoding Rule Name : Encoding Variation : Comments : Reject response received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R CONTROL	CR_RSP(RCV, PC_USER) '09'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : SABMEs(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : SABME frame sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_CMD(SND, PC_USER)		
CONTROL2	'011'B		
CONTROL1	'1111'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : SABMEr(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : SABME frame received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_CMD(RCV, PC_USER)		
CONTROL2	'011'B		
CONTROL1	'1111'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : DMs(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : DM frame sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_RSP(SND, PC_USER)		
CONTROL2	'000'B		
CONTROL1	'1111'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : DMr(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : DM frame received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_RSP(RCV, PC_USER)		
CONTROL2	'000'B		
CONTROL1	'1111'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : DISCr(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : DISC frame received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_CMD(RCV, PC_USER)		
CONTROL2	'010'B		
CONTROL1	'0011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : DISCs(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : DISC frame sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_CMD(SND, PC_USER)		
CONTROL2	'010'B		
CONTROL1	'0011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UAs(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : UA frame sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_RSP(SND, PC_USER)		
CONTROL2	'011'B		
CONTROL1	'0011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UAr(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU Derivation Path : U_BASE. Encoding Rule Name : Encoding Variation : Comments : UA frame received by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_RSP(RCV, PC_USER)		
CONTROL2	'011'B		
CONTROL1	'0011'B		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UI_L3s (TEI_P:INTEGER; L3_MESS_P:pstn_any_pdu) PDU Type : UI_L3_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame containing the given layer 3 message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(0,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO	L3_MESS_P		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UI_ISDN_L3s (TEI_P:INTEGER; L3_MESS_P:L3_ISDN_MESSAGE) PDU Type : UI_ISDN_L3_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame containing the given layer 3 message sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(0,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO	L3_MESS_P		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IIF_FCS(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : I frame with P=0 which contains a frame check sequence error sent by the tester.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_CMD(SND, PC_USER)		
INFO	L3_STATUS_ENQ		
FCS	INVALID_FCS()		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IIF_TOO_LONG(TEI_P:INTEGER) PDU Type : I_TOO_LONG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Invalid I frame too long sent by the tester.; information field with N201+1 octets.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
SEND_SEQ_NR	'0000000'B		
CONTROL	'0'B		
RECEIVE_SEQ_NR	'0000000'B		
P_F_BIT	'1'B		
INFO	INFO_TOO_LONG		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IFF_TOO_LONG(TEI_P:INTEGER) PDU Type : U_TOO_LONG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Invalid FRMR frame too long sent by the tester.; information field with N201+1 octets.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_RSP(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'100'B		
P_F_BIT	'0'B		
CONTROL1	'0111'B		
INFO	INFO_TOO_LONG		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ISF_TOO_LONG(TEI_P:INTEGER) PDU Type : S_TOO_LONG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Invalid RR command frame too long sent by the tester.; information field with N201+1 octets.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL	'01'O		
RECEIVE_SEQ_NR	'0000000'B		
P_F_BIT	'1'B		
INFO	INFO_TOO_LONG		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IUF_TOO_LONG(TEI_P:INTEGER) PDU Type : U_TOO_LONG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Invalid DISC frame too long sent by the tester.; information field with N201+1 octets.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO	INFO_TOO_LONG		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : FRMR_REJ_I(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU_FRMR Derivation Path : U_BASE_FRMR. Encoding Rule Name : Encoding Variation : Comments : FRMR frame sent by the tester rejecting I frame.			
Field Name	Field Value	Field Encoding	Comments
C_R	CR_RSP(SND, PC_USER)		
REJ_FRAME	'0000'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : FRMR_REJ_RR(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU_FRMR Derivation Path : U_BASE_FRMR. Encoding Rule Name : Encoding Variation : Comments : FRMR frame sent by the tester rejecting RR frame.			
Field Name	Field Value	Field Encoding	Comments
C_R REJ_FRAME	CR_RSP(SND, PC_USER) '0101'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : FRMR_REJ_DM(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU_FRMR Derivation Path : U_BASE_FRMR. Encoding Rule Name : Encoding Variation : Comments : FRMR frame sent by the tester rejecting DM frame.			
Field Name	Field Value	Field Encoding	Comments
C_R REJ_FRAME	CR_RSP(SND, PC_USER) '1F00'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : FRMR_REJ_UA(TEI_P:INTEGER;PF:BITSTRING) PDU Type : U_PDU_FRMR Derivation Path : U_BASE_FRMR. Encoding Rule Name : Encoding Variation : Comments : FRMR frame sent by the tester rejecting UA frame.			
Field Name	Field Value	Field Encoding	Comments
C_R REJ_FRAME	CR_RSP(SND, PC_USER) '7300'O		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : IIF_BAD_C(TEI_P:INTEGER;PF:BITSTRING;N_R:INTEGER;N_S:INTEGER) PDU Type : I_PDU Derivation Path : I_BASE. Encoding Rule Name : Encoding Variation : Comments : I frame sent by the tester with a Command/response field bit incorrectly set.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_RSP(SND, PC_USER) L3_STATUS_ENQ		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UM_T2s(Ri, Ai : INTEGER) PDU Type : UI_LM_PDU Derivation Path : UM_BASE. Encoding Rule Name : Encoding Variation : Comments : Layer management UI frame sent by the tester containing an Identity assigned message.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) ID_ASSIGNEDs(Ri,Ai)		Identity assigned
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UM_T3s(Ri, Ai : INTEGER) PDU Type : UI_LM_PDU Derivation Path : UM_BASE. Encoding Rule Name : Encoding Variation : Comments : Layer management UI frame sent by the tester containing an Identity denied message.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) ID_DENIEDs(Ri,Ai)		Identity denied
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UM_T4s (Ri, Ai:INTEGER) PDU Type : UI_LM_PDU Derivation Path : UM_BASE. Encoding Rule Name : Encoding Variation : Comments : Layer management UI frame sent by the tester containing an Identity check request message.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) ID_CHECK_RQs(Ri,Ai)		Identity check request
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : UM_T6s(Ri,Ai : INTEGER) PDU Type : UI_LM_PDU Derivation Path : UM_BASE. Encoding Rule Name : Encoding Variation : Comments : Layer management UI frame sent by the tester containing an Identity remove message.			
Field Name	Field Value	Field Encoding	Comments
C_R INFO	CR_CMD(SND, PC_USER) ID_REMOVES(Ri , Ai)		Identity remove message.
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : XID(TEI_P:INTEGER) PDU Type : U_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : XID frame received by the tester.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	'?'B		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'101'B		
P_F_BIT	?		
CONTROL1	'1111'B		
INFO	*		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR1_DISC(TEI_P:INTEGER) PDU Type : U_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester without closing flag			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	—		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR2_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which does not consist of an integral number of octets			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	—		
INFO_2	—		
ERROR_FIELD	'1111'B		(1)
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Field which does not consist of an octet, as consequence, the frame does not consist of an integral number of octet			

PDU Constraint Declaration			
Constraint Name : ERR3_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains a frame check sequence error			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	–		
INFO_2	–		
ERROR_FIELD	–		
FCS	INVALID_FCS()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR4_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains a single octet address field			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'1'B		
TEI	–		
EA3	–		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	–		
INFO_2	–		
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR6_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains an erroneous Command/response field bit value			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_RSP(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	—		
INFO_2	—		
ERROR_FIELD	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR7_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains an erroneous Address field extension bit value in the first address field octet			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'1'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	–		
INFO_2	–		
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR8_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains an erroneous Address field extension bit value in the second address field octet			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'0'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	—		
INFO_2	—		
ERROR_FIELD	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR10_DISC(TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISC frame with P=1 sent by the tester which contains an information field='00'O (unnumbered frame with incorrect length)			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'010'B		
P_F_BIT	'1'B		
CONTROL1	'0011'B		
INFO_1	–		
INFO_2	L3_NO		contains only '00'
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	–		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR_4OCT(SAPI_P,TEI_P:INTEGER) PDU Type : U_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Command frame sent by the tester without CONTROL field.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(SAPI_P,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	–		
P_F_BIT	–		
CONTROL1	–		
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR_5OCT(TEI_P:INTEGER) PDU Type : S_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : RR command frame sent by the tester without the 2nd control field (5 octets between flags).			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	'000000'B		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL	'01'O		
RECEIVE_SEQ_NR	–		2nd control field missing
P_F_BIT	–		2nd control field missing
INFO	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ERR1_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester without closing flag containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	–		Closing flag missing
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3).			

PDU Constraint Declaration			
Constraint Name : ERR2_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester which does not consist of an integral number of octet containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	'1111'B		(2)
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) Field not consisting of an octet, as consequence, the frame does not consist of an integral number of octet			

PDU Constraint Declaration			
Constraint Name : ERR3_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester with an invalid FCS field containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	—		(1)
ERROR_FIELD	—		
FCS	INVALID_FCS()		(2)
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) invalid FCS value.			

PDU Constraint Declaration			
Constraint Name : ERR4_UI_LM (LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester with a single octet address field containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	–		
EA3	–		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3).			

PDU Constraint Declaration			
Constraint Name : ERR5_UI_LM (SAPI_P,TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester with a SAPI value not supported by the IUT containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(SAPI_P,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	—		(1)
ERROR_FIELD	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3).			

PDU Constraint Declaration			
Constraint Name : ERR6_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester with wrong C/R bit value containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_RSP(SND, PC_USER)		(2)
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) wrong C/R bit value.			

PDU Constraint Declaration			
Constraint Name : ERR7_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame sent by the tester with wrong EA2 bit value containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'1'B		(2)
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) wrong EA2 bit value.			

PDU Constraint Declaration			
Constraint Name : ERR8_UI_LM (TEI_P:INTEGER; LM_MESS_P:LM_MESSAGE) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : UI frame with wrong EA3 bit value, containing the given layer management message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'0'B		(2)
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	LM_MESS_P		(1)
INFO_2	–		(1)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) wrong EA3 bit value.			

PDU Constraint Declaration			
Constraint Name : ERR9_UI (SAPI_P: INTEGER;TEI_P:INTEGER) PDU Type : ERR_UI_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Undefined frame sent by the tester; 1 octet control field = 'FF'O.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(SAPI_P,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'111'B		(2)
P_F_BIT	'1'B		(2)
CONTROL1	'1111'B		(2)
INFO_1	—		(1)
INFO_2	—		(1)
ERROR_FIELD	—		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) no information field. (2) undefined control field.			

PDU Constraint Declaration			
Constraint Name : ERR10_UI_L3 (TEI_P:INTEGER; L3_MESS_P:psn_any_pdu) PDU Type : ERR_UI_PDU_L3_TOO_LONG Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Valid UI frame sent by the tester with a message parameter with a length exceeding N201.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(0,6)		
C_R	CR_CMD(SND, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(TEI_P,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO_1	–		(1)
INFO_2	L3_MESS_P		(1)(2)
ERROR_FIELD	–		
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments : (1) Either INFO_1 or INFO_2 can be used according to the message sent (layer management or layer 3). (2) use a layer 3 message parameter with a length exceeding N201.			

PDU Constraint Declaration			
Constraint Name : UM_T1r PDU Type : UI_LM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Layer management UI frame received by the tester containing an Identity request message.			
Field Name	Field Value	Field Encoding	Comments
OPENING_FLAG	FLAG_SEQUENCE		
SAPI	INT_TO_BIT(63,6)		
C_R	CR_CMD(RCV, PC_USER)		
EA2	'0'B		
TEI	INT_TO_BIT(127,7)		
EA3	'1'B		
CONTROL2	'000'B		
P_F_BIT	'0'B		
CONTROL1	'0011'B		
INFO	ID_REQUESTr		Identity request
FCS	FCS_VALUE()		
CLOSING_FLAG	FLAG_SEQUENCE		
Detailed Comments :			

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_1					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity assigned message with Ai=other automatic TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T2s(RID,AI))	(P)	→ state 9
2		(AI:= ((C_TEI-64+1)MOD 63) + 64, RID:=RANDOM(0,65535))			(1)
3		LIFRs START TNOAC1			(2) state 9 ?
4		?TIMEOUT TNOAC1			
5		+CS_90_01			
Detailed Comments : (1) 64 < C_TEI <126, 64< AI = C_TEI + 1 <126 (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_2					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity denied message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 5.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T3s(RID,127))	(P)	→ state 9
2		(RID:=RANDOM(0,65535))			(1)
3		L!FRs START TNOAC1			(2)
4		?TIMEOUT TNOAC1			state 9 ?
5		+CS_90_01			
Detailed Comments : (1) Id. assigned message with Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_3					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity denied message with Ai=other automatic TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default :					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T3s(RID,AI))	(P)	→ state 9
2		(AI:= ((C_TEI-64+1)MOD 63) + 64, RID:=RANDOM(0,65535))			(1)
3		L!FRs START TNOAC1			(2)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) $64 < C_TEI < 126$, $64 < AI = C_TEI + 1 < 126$ (2) Id. denied message with Ai = other TEI value. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_4					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 5.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T4s(0,127))	(P)	→ state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_5					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T4s(0,C_TEI))	(P)	-> state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. check request message with Ri=0 and Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_6					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=other TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T4s(0,AI))	(P)	-> state 9
2		(AI:= ((C_TEI-64+1)MOD 63))			(1)
3		L!FRs START TNOAC1			(2)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) 64 < C_TEI <126, 64< AI = C_TEI + 1 <12 (2) Id. check request message with Ri=0 and Ai=other TEI value. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_7					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity remove message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 5.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T6s(0,127))	(P)	-> state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_8					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity remove message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T6s(0,C_TEI))	(P)	-> state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_V_9					
Group : LayerManagment/UserSide/state9/Valid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity remove message with Ai=other TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T6s(0,AI))	(P)	-> state 9
2		(AI:= ((C_TEI-64+1)MOD 63))			(1)
3		L!FRs START TNOAC1			(2)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) $64 < C_TEI < 126$, $64 < AI = C_TEI + 1 < 126$. (2) Id. remove message with Ri=0 and Ai=other TEI value. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_1					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity assigned message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T2s(RID,C_TEI))	(P)	-> state 9
2		(RID:=RANDOM(0,65535))			
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(2)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. assigned message with Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_2					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an unsolicited UA frame with F=1 (MDL error C), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UAs(C_TEI,F1))	(P)	-> state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UA frame with own TEI value and F=1. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_3					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an unsolicited UA frame with F=0 (MDL error D), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141–1, clause 6.2 giving changes to ETS 300 402–2, Annex D: D–1.2/9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UAs(C_TEI,F0))	(P)	→ state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UA frame with own TEI value and F=0. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_4					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity denied message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UM_T3s(RID,C_TEI))	(P)	-> state 9
2		(RID:=RANDOM(0,65535))			
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(2)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) Id. assigned message with Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_5					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame, with a TEI value not currently assigned, containing a layer 3 message requesting a response, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UI_L3s(TEMP_TEI, L3_STATUS_ENQ))	(P)	-> state 9
2		+OTHER_TEI			(2)
3		LIFRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with SAPI=0 and, with a TEI value not currently assigned containing a SETUP message with no information element. The layer 3 entity is supposed to reply to this message. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_6					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a SABME frame with P=1, with a TEI value not currently assigned, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(SABMEs(TEMP_TEI,P1))	(P)	→ state 9
2		+OTHER_TEI			(2)
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) SABME frame with P=1 and a randomized TEI value. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_7					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a DISC frame, with a TEI value not currently assigned, with P=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(DISCs(TEMP_TEI,P1))	(P)	-> state 9
2		+OTHER_TEI			(2)
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) DISC frame with P=1 and a randomized TEI value. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_8					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a DM frame, with a TEI value not currently assigned, with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(DMs(TEMP_TEI,F1))	(P)	→ state 9
2		+OTHER_TEI			(2)
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) DM frame with F=1 and a randomized TEI value. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_9					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UA frame, with a TEI value not currently assigned, with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(UAs(TEMP_TEI,F1))	(P)	→ state 9
2		+OTHER_TEI			(2)
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) UA frame with F=1 and a randomized TEI value. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_10					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a RR command frame, with a TEI value not currently assigned, with P=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RRCs(TEMP_TEI,P1,0))	(P)	-> state 9
2		+OTHER_TEI			(2)
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) RR command frame with P=1 and a randomized TEI value. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_I_11					
Group : LayerManagment/UserSide/state9/Inoportune/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an I frame, with a TEI value not currently assigned, with P=1, containing a layer 3 message, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(Is(TEMP_TEI, P1, 0, 0, L3_STATUS_ENQ))	(P)	-> state 9
2		+OTHER_TEI			(2)
3		LIFRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(3)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) I frame with TEI<>127 containing a SETUP layer 3 message with a global call ref. valuerequesting a response. (2) generate a TEMP_TEI value different from C_TEI. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_1					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame, containing an Identity check request message with Ai=127, without closing flag, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.a					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR1_UI_LM (127 , ID_CHECK_RQs(0,127)))	(P)	→ state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame without closing flag containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_2					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a frame containing 4 octets between flags (without control field octet), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.b					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR_4OCT(63,127))	(P)	→ state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) Frame without control field with SAPI=63 and TEI=127 (4 octets between flags). (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_3					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of a RR frame containing 5 octets between flags (without the second control field octet), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 2.9.b					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR_5OCT(127))	(P)	-> state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) RR command frame without the 2nd control field and with TEI=127 (5 octets between flags). (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_4					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame, containing an Identity check request message with Ai=127, which does not consist of an integral number of octets, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.c					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR2_UI_LM (127 , ID_CHECK_RQs(0,127)))	(P)	→ state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame not consisting of an integral number of octets, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_5					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame, containing an Identity check request message with Ai=127, with a FCS error, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 2.9.d					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR3_UI_LM (127 , ID_CHECK_RQs(0,127)))	(P)	-> state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a FCS error, containing an Id (2) No frame transmitted during TNOAC1 time. check request message with Ri=0 and Ai=127.					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_6					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame with a single octet address field, containing an Identity check request message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 2.9.e					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR4_UI_LM (ID_ASSIGNEDs (RID,AI)))	(P)	-> state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a single octet address field, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_7					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame, with a SAPI not supported, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 2.9.f					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR5_UI_LM (PX_UNUSED_SAPI, 127 , ID_CHECK_RQs(0,127)))	(P)	-> state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a SAPI value not supported by the IUT, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_8					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=127 with an erroneous C/R bit value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR6_UI_LM (127 , ID_CHECK_RQs(0,127)))	(P)	-> state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a wrong C/R value, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_9 Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/ Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=127 with an erroneous EA bit value in the first address field octet, transmits no frame and remains in the same state. Configuration : Default : DF_1 Comments : ETS 300 402-2, subclause 3.3.1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			-> state 9
2		(Ai:=RANDOM(64,126))			
3		L!FRs START TNOAC1	Fs(ERR7_UI_LM (127 , ID_CHECK_RQs(0,127)))		(1)
4		?TIMEOUT TNOAC1		(P)	(2)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a wrong EA2 bit value, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_10 Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/ Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame containing an Identity check request message with Ai=127 with an erroneous EA bit value in the second address field octet, transmits no frame and remains in the same state. Configuration : Default : DF_1 Comments : ETS 300 402-2, subclause 3.3.1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			-> state 9
2		(Ai:=RANDOM(64,126))			
3		L!FRs START TNOAC1	Fs(ERR8_UI_LM (127 , ID_CHECK_RQs(0,127)))		(1)
4		?TIMEOUT TNOAC1		(P)	(2)
5		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame with a wrong EA3 bit value, containing an Id. check request message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_11					
Group : LayerManagment/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an undefined frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclauses 3.6.1, 5.8.5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR9_UI (63,127))	(P)	→ state 9
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) undefined frame: 1 octet control field = 'FF'O. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L90_S_12					
Group : LayerManagement/UserSide/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT, in the state 9, on receipt of an UI frame with a TEI value=127, containing a layer 3 message requesting a response with a length exceeding the maximum possible value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclauses 5.8.5, 5.9.3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR10_UI_L3(127, L3_STATUS_ENQ_TOO_LONG))	(P)	→ state 9
2		L!FRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) UI frame containing a layer 3 message with the length exceeding N201. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_V_1					
Group : LayerManagment/UserSide/State70/Valid/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an UI frame containing an Identity remove message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402–2, subclause 5.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UM_T6s(0,127))	(P)	→ state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_V_2					
Group : LayerManagment/UserSide/State70/Valid/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an UI frame containing an Identity remove message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UM_T6s(0,C_TEI))	(P)	-> state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_V_3					
Group : LayerManagment/UserSide/State70/Valid/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an UI frame containing an Identity remove message with Ai=other TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UM_T6s(0,AI))	(P)	-> state 7.0
2		(AI:= ((C_TEI-64+1)MOD 63))			(1)
3		L!FRs START TNOAC1			(2)
4		?TIMEOUT TNOAC1			(3)
5		+CS_70_01			state 7.0 ?
Detailed Comments : (1) $64 < C_TEI < 126$, $64 < AI = C_TEI + 1 < 126$. (2) Id. remove message with Ri=0 and Ai=other TEI value. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_I_1					
Group : LayerManagment/UserSide/State70/Inoportune/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an UI frame containing an Identity assigned message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: D-1.2/13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UM_T2s(RID,C_TEI))	(P)	-> state 7.0
2		(RID:=RANDOM(0,65535))			
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(2)
5		+CS_70_01			state 7 ?
Detailed Comments : (1) Id. assigned message with Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_I_2					
Group : LayerManagment/UserSide/State70/Inoportune/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an unsolicited UA frame with F=1 (MDL error C), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UAs(C_TEI,F1))	(P)	-> state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7 ?
Detailed Comments : (1) UA frame with own TEI value and F=1. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L70_I_3					
Group : LayerManagment/UserSide/State70/Inoportune/					
Purpose : Ensure that the IUT, in the state 7.0, on receipt of an unsolicited UA frame with F=0 (MDL error D), transmits no frame and remains in the same state..					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(UAs(C_TEI,F0))	(P)	-> state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7 ?
Detailed Comments : (1) UA frame with own TEI value and F=0. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_V_1					
Group : LayerManagment/UserSide/State80/Valid/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an UI frame containing an Identity remove message with Ai=127, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402–2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UM_T6s(0,127))	(P)	→ state 8.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_80_01(0)			state 8 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=127. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_V_2					
Group : LayerManagment/UserSide/State80/Valid/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an UI frame containing an Identity remove message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402–2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UM_T6s(0,C_TEI))	(P)	→ state 8.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_80_01(0)			state 8 ?
Detailed Comments : (1) Id. remove message with Ri=0 and Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_V_3					
Group : LayerManagment/UserSide/State80/Valid/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an UI frame containing an Identity remove message with Ai=other TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402-2, subclause 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UM_T6s(0,AI))	(P)	-> state 8.0
2		(AI:= ((C_TEI-64+1)MOD 63))			(1)
3		LIFRs START TNOAC2			(2)
4		?TIMEOUT TNOAC2			(3)
5		+CS_80_01(0)			state 8.0 ?
Detailed Comments : (1) 64 < C_TEI <126, 64< AI = C_TEI + 1 <126. (2) Id. remove message with Ri=0 and Ai=other TEI value. (3) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_I_1					
Group : LayerManagment/UserSide/State80/Inoportune/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an UI frame containing an Identity assigned message with Ai=own TEI value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402-2, subclause 5.3.2, 5.3.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UM_T2s(RID,C_TEI))	(P)	-> state 8.0
2		(RID:=RANDOM(0,65535))			
3		L!FRs START TNOAC1			(1)
4		?TIMEOUT TNOAC1			(2)
5		+CS_80_01(0)			state 8 ?
Detailed Comments : (1) Id. assigned message with Ai=own TEI value. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_I_2					
Group : LayerManagment/UserSide/State80/Inoportune/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an unsolicited UA frame with F=1 (MDL error C), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UAs(C_TEI,F1))	(P)	-> state 8.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_80_01(0)			state 8 ?
Detailed Comments : (1) UA frame with own TEI value and F=1. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2U_L80_I_3					
Group : LayerManagment/UserSide/State80/Inoportune/					
Purpose : Ensure that the IUT, in the state 8.0, on receipt of an unsolicited UA frame with F=0 (MDL error D), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141–1, clause 6.2 giving changes to ETS 300 402–2, Annex D: table D.1/2–9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(UAs(C_TEI,F0))	(P)	→ state 8.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_80_01(0)			state 8 ?
Detailed Comments : (1) UA frame with own TEI value and F=0. (2) No frame transmitted during TNOAC1 time					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_V_1 Group : DataControl/state9/Valid/ Purpose : Ensure that the IUT in state 9, on receipt of a SABME frame with P=1 and being able to enter state 7.0, transmits an UA frame with F=1 and enters state 7.0. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(2)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(3)
4		+CS_70_01			state 7 ?
5		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	(I)	(4)
6		+PO_END			(5)
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(5)
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) SABME frame sent by the tester to initiate link establishment. (3) UA frame sent by the IUT. (4) DM frame sent by the IUT because its not able to enter state 7.0. (5) Postamble to a stable state. (6) UA frame not sent by the IUT. Table D.1/2-1: 1st SABME P=1 able to enter state 7.0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_V_2 Group : DataControl/state9/Valid/ Purpose : Ensure that the IUT in state 9, on receipt of a SABME frame with P=1 and being unable to enter state 7.0, transmits a DM frame with F=1 and remains in the same state. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(2)
3		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	(P)	(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) SABME frame sent by the tester. (3) DM frame sent by the IUT. Table D.1/2-2: 2nd SABME P=1 unable to enter state 7.0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_1 Group : DataControl/state9/Inopportune/ Purpose : Ensure that the IUT in state 9, on receipt of a SABME frame with P=0 and being able to enter state 7.0, transmits an UA frame with F=0 and enters state 7.0. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-3;					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(2)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(3)
4		+CS_70_01			state 7 ?
5		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F0))	(I)	(4)
6		+PO_END			(5)
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(5)
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) SABME frame sent by the tester to initiate link establishment. (3) UA frame sent by the IUT. (4) DM frame sent by the IUT because its not able to enter state 7.0. (5) Postamble to a stable state. (6) UA frame not sent by the IUT. Table D.1/2-3: 3rd SABME P=0 able to enter state 7.0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_2 Group : DataControl/state9/Inopportune/ Purpose : Ensure that the IUT in state 9, on receipt of a SABME frame with P=0 and being unable to enter state 7.0, transmits a DM frame with F=0 and remains in the same state. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(2)
3		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F0))	(P)	(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) SABME frame sent by the tester. (3) DM frame sent by the IUT. Table D.1/2-4: 4th SABME P=0 unable to enter state 7.0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_3 Group : DataControl/state9/Inopportune/ Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1, transmits a DM frame with F=1 and remains in the same state. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		(2)
3		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	(P)	(3)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC frame sent by the tester. (3) DM frame sent by the IUT. (4) DM frame not sent by the IUT. (5) Postamble to a stable state. Table D.1/2-5: 1st DISC P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_4 Group : DataControl/state9/Inopportune/ Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=0, transmits a DM frame with F=0 and remains in the same state. Configuration : Default : DF_1 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			(1) -> state 9
2		L!FRs START TAC	Fs(DISCs(C_TEI,P0))		(2)
3		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F0))	(P)	(3)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC frame sent by the tester. (3) DM frame sent by the IUT. (4) DM frame not sent by the IUT. (5) Postamble to a stable state. Table D.1/2-6: 2nd DISC P=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_5					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a DM frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(DMs(C_TEI,F1))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DM frame sent by the tester. (3) No frame sent by the IUT. Table D.1/2-10: 1st DM F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_6					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a DM frame with F=0 and being able to enter state 7.0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.1/2-11: 2nd DM F=0					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(DMs(C_TEI,F0))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DM frame sent by the tester to initiate link establishment. (3) No frame received during TNOAC1. Table D.1/2-11: 2nd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_7					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a DM frame with F=0 and being unable to enter state 7.0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-12					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(DMs(C_TEI,F0))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DM frame sent by the tester. (3) No frame sent by the IUT. Table D.1/2-12: 3rd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_8					
Group : DataControl/state9/Inoportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a FRMR response frame with F=1 rejecting DM, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141–1, clause 6.2 giving changes to ETS 300 402–2, Annex D: table D.1/3–4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(FRMR_REJ_DM(C_TEI, F1))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Inoportune FRMR frame sent by the tester. (3) No frame sent by the IUT. Table D.1/3–4: 4th FRMR rejecting DM					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_9					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a RR command frame with P=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/4-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RRCs(C_TEI,P1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) RR command frame sent by the tester. (3) No frame sent by the IUT. Table D.1/4-1: 1st RR P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_10					
Group : DataControl/state9/Inoportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a RR response frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.1/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RRRs(C_TEI,F1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) RR response frame sent by the tester. (3) No frame sent by the IUT. Table D.1/4-4: 4th RR F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_11					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a REJ command frame with P=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.1/5-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RJCs(C_TEI,P1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) REJ command frame sent by the tester. (3) No frame sent by the IUT. Table D.1/5-1: 1st REJ P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_12					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a REJ response frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/5-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RJRs(C_TEI,F1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) REJ response frame sent by the tester. (3) No frame sent by the IUT. Table D.1/5-4: 14th REJ F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_13					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a RNR command frame with P=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/6-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RNCs(C_TEI,P1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) RNR command frame sent by the tester. (3) No frame sent by the IUT. Table D.1/6-1: 1st RNR P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_14					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of a RNR response frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/6-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(RNRs(C_TEI,F1,NR))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) RNR response frame sent by the tester. (3) No frame sent by the IUT. Table D.1/6-4: 4th RNR F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_I_15					
Group : DataControl/state9/Inopportune/					
Purpose : Ensure that the IUT in state 9, on receipt of an I frame with P=1 which contains a layer 3 STATUS ENQUIRY message, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(IN2(C_TEI,P0,NR,NS))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) I frame requesting a response of layer 3 sent by the tester. (3) No frame sent by the IUT. Table D.1/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_1					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 without closing flag, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.a					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR1_DISC(C_TEI))	(P)	(1) → state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC command frame without closing flag sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_2					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which is too short (without control field octet), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.b					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR_4OCT(0,C_TEI))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Syntactically invalid DISC frame sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_3					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which does not consist of an integral number of octets, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.c					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR2_DISC(C_TEI))	(P)	(1) → state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC command frame which does not consist of an integral number of octets sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_4					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which contains a frame check sequence error, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 2.9.d					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR3_DISC(C_TEI))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Syntactically invalid DISC frame with FCS error sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_5					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a too short DISC frame with P=1 which contains a single octet address field, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 2.9.e					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR4_DISC(C_TEI))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Syntactically invalid DISC frame sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_7					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which contains an erroneous Address field extension bit value in the first address field octet, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402–2, subclause 3.3.1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR7_DISC(C_TEI))	(P)	(1) → state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC command frame which contains an erroneous Address field extension bit value in the first address field octet (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_8					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which contains an erroneous Address field extension bit value in the second address field octet, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR8_DISC(C_TEI))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Syntactically invalid DISC frame sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_9					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which contains an erroneous Command/response field bit value, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : ETS 300 402-2, subclause 3.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR6_DISC(C_TEI))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC frame which contains an erroneous Command/response field bit value sent by the tester. (3) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_10					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of an undefined frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/10-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR9_UI(0,C_TEI))	(P)	(1) -> state 9
2		L!FRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) Undefined frame sent by the tester. (3) No frame sent by the IUT. Table D.1/10-8: Undefined command and response frames					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D90_S_11					
Group : DataControl/state9/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 9, on receipt of a DISC frame with P=1 which contains an information field='00'O (unnumbered frame with incorrect length), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/10-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01	Fs(ERR10_DISC(C_TEI))	(P)	(1) -> state 9
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_90_01			state 9 ?
Detailed Comments : (1) This test is applicable only to IUTs stable in state 9. (2) DISC frame which contains an information field sent by the tester. (3) No frame sent by the IUT. Table D.1/10-9: I field not permitted					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D51_V_1					
Group : DataControl/State51/Valid/					
Purpose : Ensure that the IUT in state 5.1, having one I frame in queue and no I frame is unacknowledged, on receipt of an UA frame with F=1, transmits the I frame with P=0 and enters state 7.0.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_51_02			(1) -> state 5.1
2		L!FRs START TAC	Fs(UAs(C_TEI,F1))		(2)
3		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(3)
4		(NR:=(NR+1)MOD 128)			(4)
5		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(5)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(7)
Detailed Comments : (1) Brings the IUT to state 5.1 with V(S)=V(A) and a STATUS message is still in the queue. (2) UA frame sent by the tester. The IUT will enter state 7.0. (3) I frame sent by the IUT. The I queue is not discarded and the queued message is sent. (4) NR to be sent in the following RR response frame is incremented. (5) RR response frame sent by the tester to acknowledge the received I frame (3). (6) I frame not sent by the IUT. The I queue is discarded. (7) Postamble to a stable state. Table D.1/2-7: 1st UA F=1 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D51_V_2					
Group : DataControl/State51/Valid/					
Purpose : Ensure that the IUT in state 5.1, having one I frame in queue and one I frame is unacknowledged, on receipt of an UA frame with F=1, transmits no frame and enters state 7.0.					
Configuration :					
Default : DF_1					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.1/2-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_51_01	Fs(UAs(C_TEI,F1))	(P)	(1) -> state 5.1
2		LIFRs START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+CS_70_02			state 7.0 ?
Detailed Comments : (1) Brings the IUT to state 5.1 with V(S)<=>V(A) and a STATUS message still in queue. (2) UA frame sent by the tester. The IUT will enter state 7.0. (3) I frame not sent by the IUT. The I queue is discarded and the queued message is not sent. Table D.1/2-8: 2nd UA F=1 V(S)<=>V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_1 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having requested the sending of an I frame, transmits an I frame with P=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/1-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1)MOD 128)			
4		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))		(2)
5		L?FRr CANCEL TWL3	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(3)
6		(NR:=(NR+1)MOD 128)			
7		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(4)
8		+CS_70_01			state 7.0 ?
9		?TIMEOUT TWL3		(I)	(5)
10		+PO_END			(6)
11		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(7)
12		(NR:=(NR+1)MOD 128)			
13		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(4)
14		+CS_70_01			state 7.0 ?
15		?TIMEOUT TAC		(F)	
16		+PO_END			(6)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT. (2) RR response frame sent by the IUT to acknowledge the received I frame. (3) I frame (STATUS message) sent by the IUT. (4) RR response frame sent by the tester to close the transfer cycle. (5) I frame (STATUS ENQUIRY message) not sent by the IUT. (6) Postamble to a stable state. (7) I frame (STATUS message) sent by the IUT to acknowledge the received I frame. Table D.2/1-4: I frame in queue $V(S) < V(A) + k$.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_2 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a DISC frame with P=1, discards the I queue, transmits an UA frame with F=1 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-5: 1st DISC P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_3 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, on receipt of an UI frame with current TEI and layer 3 content, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TNOAC1	Fs(UI_L3s(C_TEI, L3_STATUS_ENQ))		(1)
3		?TIMEOUT TNOAC1		(P)	(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) UI frame with layer 3 content sent by the tester. (2) No frame sent by the IUT. Table D.2/2-11: UI command					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_4 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having stopped timer T200, on receipt of a RR command frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the tester. Timer T200 is not running on the IUT side. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-1: 1st RR command P=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_5 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RR command frame with P=0, transmits no frame and remains in state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TNOAC1	Fs(RRCs(C_TEI,P0,NR))		(1)
3		?TIMEOUT TNOAC1		(P)	(2)
4		+CS_70_01			state 9 ?
Detailed Comments : (1) RR command frame sent by the tester. (2) The IUT stopped timer T200 and no reply. Table D.2/4-2: 2nd RR command P=0 N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D70_V_6
Group : DataControl/State70/Valid/
Purpose : Ensure that the IUT in state 7.0, having I frames queued up, on receipt of a RR response frame with F=1, transmits the I frames not exceeding the maximum number of outstanding I frames k.
Configuration :
Default : DF_2
Comments : ETS 300 402-2, subclause 5.6.1
k+1 I-frames queued up, but only k I-frames shall be transmitted without being acknowledged.

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	(TMP:=PC_K+1)	Fs(RNCs(C_TEI,P0,0))		(1)
2		+PR_74_02(TMP)			(2)
3		(TMP:=PC_K , NR:=0)			(3)
4	L2	L!FRs	Fs(RRCs(C_TEI,P0,0))		(3)
5		START T_MIN(PX_T200MIN), START T_MAX(PX_T200MAX)			(4)
6		L!FRs START TAC			(5)
7		L?FRr (NR:=(NR+1)MOD 128, TMP:=TMP-1) CANCEL TAC	Fr(IN7(C_TEI,P0,NS,NR))		(6)
8		[TMP<>0]			(7)
9		GOTO L2			(8)
10		[TMP=0]	Fr(IN7(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(9)
11		CANCEL T_MIN			(10)
12		L?FRr CANCEL T_MAX			(11)
13		+CS_80_01((NR-1)MOD 128)	Fr(RRCr(C_TEI,P1,NS))	(F)	(12)
14		L?FRr CANCEL T_MAX			(13)
15		+CS_80_01((NR-1)MOD 128)			(14)
16		?TIMEOUT T_MAX			(15)
17		+PO_END			(16)
18		?TIMEOUT T_MIN			(17)
19		GOTO L1		(F)	(18)
20		?TIMEOUT TAC			(19)
21		+PO_END			(20)

Detailed Comments : (1) Get k+1 I-frames queued up.
(2) TMP is set to maximum number of outstanding I-frames (k).
(3) The alternation of RNR and RR command frame prevents a timeout at the IUT side.
(4) Receive, but do not acknowledge (outstanding), the maximum number of I-frames (k) sent by the IUT (TMP in the constraint is used as dummy parameter).
(5) Maximum number of outstanding I-frames (k) not reached and the IUT continues to send I-frames.
(6) Maximum number of outstanding I-frames (k) reached.
(7) A timeout of T200 at the IUT side did not occur.
(8) The IUT is polling with the last transmitted I-frame.
(9) The IUT is polling with a RR command frame.
(10) The IUT is not polling with any frame.
(11) Postamble to a stable state.
(12) The IUT has not sent an I-frame and continue with (3).
(13) The IUT has not sent an I-frame.

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_7 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1, subsequently transmits the corresponding I frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, table D.2/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
4		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(4)
5		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TAC		(F)	(7)
8		+PO_END			(8)
9		?TIMEOUT TAC		(F)	(9)
10		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) REJ command frame sent by the tester rejecting the I frame received in PR_70_02 (NR was incremented in PR_70_02). (3) RR response sent by the IUT. (4) Rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the received I frame. (7) The rejected I frame not sent by the IUT. (8) Postamble to a stable state. (9) RR response frame not sent by the IUT. Table D.2/5-5: 5th REJ command P=1 $V(A) \leq N(R) < V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_8 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on receipt of a REJ command frame with P=0, transmits the corresponding I frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, table D.2/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(3)
4		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(5)
5		+CS_70_01			state 7.0 ?
6		?TIMEOUT TAC		(F)	(6)
7		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) REJ command frame sent by the tester rejecting the I frame received in PR_70_02. (3) Rejected I frame sent by the IUT. (5) RR response frame sent by the tester to acknowledge the received I frame. (6) The rejected I frame not sent by the IUT. (7) Postamble to a stable state. Table D.2/5-6: 6th REJ command P=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_9 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on receipt of a REJ response frame with F=0, transmits the corresponding I frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[PC_K=1]			
2		+PR_70_02			(1) -> state 7.0
3		L!FRs START TWAIT	Fs(RJR(C_TEI,F0,(NR-1)MOD 128))		(3)
4		L?FRr CANCEL TWAIT	Fr(IN3(C_TEI,P0,NS,(NR-1)MOD 128))	(P)	(4)
5		L!FRs	Fs(RRR(C_TEI,F0,NR))		(5)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TWAIT		(F)	(6)
8		+PO_END			(7)
9		[PC_K<>1]			
10		+PR_70_OI_01			(8) -> state 7.0
11		L!FRs START TWAIT	Fs(RJR(C_TEI,F0,(NR-2)MOD 128))		(9)
12		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2)MOD 128))		(10)
13		L!FRs START TAC	Fs(RRR(C_TEI,F0,(NR-1)MOD 128))		(11)
14		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1)MOD 128))	(P)	(12)
15		L!FRs	Fs(RRR(C_TEI,F0,NR))		(13)
16		+CS_70_01			state 7.0 ?
17		?TIMEOUT TAC		(F)	(14)
18		+PO_END			(7)
19		?TIMEOUT TWAIT		(F)	(15)
20		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (3) REJ response frame sent by the tester rejecting the I frame received in PR_70_02. (4) Rejected I frame sent by the IUT. NR to be sent in the RR response frame is updated. (5) RR response frame sent by the tester to acknowledge the received I frame. (6) The rejected I frame not sent by the IUT. (7) Postamble to a stable state. (8) Preamble to state 7.0 having requested two responses of layer 3 which are already received. (9) REJ response frame sent by the tester rejecting two I frames received in PR_70_OI_01. (10) The first I frame is retransmitted. (11) RR response frame to acknowledge the first retransmitted I frame. (12) The second I frame is retransmitted. (13) RR response frame to acknowledge the second retransmitted I frame. (14) I frame (12) not sent by the IUT. (15) I frame (10) not sent by the IUT. Table D.2/5-7: 7th REJ response, F=0, V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_10 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a REJ response frame with F=1, transmits the corresponding I frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[PC_K=1]			
2		+PR_70_02			(1) -> state 7.0
3		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR-1)MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,(NR-1)MOD 128))	(P)	(4)
5		L!FRs	Fs(RRR(C_TEI,F0,NR))		(5)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(7)
9		[PC_K<>1]			
10		+PR_70_OI_01			(8) -> state 7.0
11		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR-2)MOD 128))		(9)
12		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-2)MOD 128))		(10)
13		L!FRs START TAC	Fs(RRR(C_TEI,F0,(NR-1)MOD 128))		(11)
14		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1)MOD 128))	(P)	(12)
15		L!FRs	Fs(RRR(C_TEI,F0,NR))		(13)
16		+CS_70_01			state 7.0 ?
17		?TIMEOUT TAC		(F)	(14)
18		+PO_END			(7)
19		?TIMEOUT TAC		(F)	(15)
20		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (3) REJ response frame sent by the tester rejecting the I frame received in PR_70_02. (4) Rejected I frame sent by the IUT. NR to be sent in the RR response frame is updated. (5) RR response frame sent by the tester to acknowledge the received I frame. (6) The rejected I frame not sent by the IUT. (7) Postamble to a stable state. (8) Preamble to state 7.0 having requested two responses of layer 3 which are already received. (9) REJ response frame sent by the tester rejecting two I frames received in PR_70_OI_01. (10) The first I frame is retransmitted. (11) RR response frame to acknowledge the first retransmitted I frame. (12) The second I frame is retransmitted. (13) RR response frame to acknowledge the second retransmitted I frame. (14) I frame (12) not sent by the IUT. (15) I frame (10) not sent by the IUT. Table D.2/5-8: 8th REJ response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_11					
Group : DataControl/State70/Valid/					
Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR command frame with P=1, transmits a RR response frame with F=1 and enters state 7.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(RNCs(C_TEI,P1,NR)) Fr(RRRr(C_TEI,F1,NS))	(P)	-> state 7.0
2		L!FRs START TAC			(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_74_01			state 7.4
5		?TIMEOUT TAC			?
6		+PO_END			(3)
Detailed Comments : (1) RNR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-1: 1st RNR command P=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_12					
Group : DataControl/State70/Valid/					
Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR command frame with P=0, transmits no frame and enters state 7.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02	Fs(RNCs(C_TEI,P0,NR))	(P)	(1) -> state 7.0
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.4 ?
4		+CS_74_01			
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR command frame sent by the tester to acknowledge the last received I frame. (3) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR command frame (2). Table D.2/6-2: 2nd RNR command P=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_13					
Group : DataControl/State70/Valid/					
Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR response frame with F=0, transmits no frame and enters state 7.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02	Fs(RNRs(C_TEI,F0,NR))	(P)	(1) -> state 7.0
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.4 ?
4		+CS_74_01			
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to acknowledge the last received I frame. (3) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (2). Table D.2/6-3: 3rd RNR response F=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_14					
Group : DataControl/State70/Valid/					
Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(IE1(C_TEI,P1,NR,NS))		(2)
3		(NS:=(NS+1)MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		+CS_70_01			state 7.0 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) I frame (no information field included) sent by the tester. (3) NS to be received in the following RR response frame is incremented. (4) RR response frame sent by the IUT to acknowledge the received I frame. (5) RR response frame not sent by the IUT to acknowledge the received I frame. (6) Postamble to a stable state. Table D.2/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_15 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, receiving continuously I frames with P=0 and N(S) sequentially numbered from 0 through 127, transmits a RR response with F=0 and remains in the same state; or transmits an I frame with P=0 as response to each I frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		(TMP:=128)			
3	L1	L!FRs START TAC, START TWL3	Fs(IN2(C_TEI,P0,NR,NS))		(1)
4		(NS:=(NS+1)MOD 128)			(2)
5		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
6	L2	L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(4)
7		(NR:=(NR+1)MOD 128)			(5)
8		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
9		[TMP>0]			
10		(TMP:=TMP-1)			
11		GOTO L1			
12		[TMP=0]		(P)	(7)
13		+CS_70_01			state 7.0 ?
14		L?FRr	Fr(RRCr(C_TEI,P1,NS))		(8)
15		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(9)
16		GOTO L2			
17		?TIMEOUT TWL3		(I)	(10)
18		+PO_END			(11)
19		L?FRr CANCEL TAC, CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))		(12)
20		(NR:=(NR+1)MOD 128)			(5)
21		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
22		[TMP>0]			
23		(TMP:=TMP-1)			
24		GOTO L1			
25		[TMP=0]		(P)	(7)
26		+CS_70_01			state 7.0 ?
27		?TIMEOUT TAC		(F)	(13)
28		+PO_END			(11)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the received I frame. (4) I frame (STATUS message) sent by the IUT. (5) NR to be sent is updated. (6) RR response frame sent by the IUT. (7) All sequence numbers are checked. (8) RR command frame sent by the IUT after timeout of timer T203. (9) RR response frame sent by the tester. (10) I frame (4) not sent by the IUT within timer TWL3.					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : ...

(11) Postamble to a stable state.

(12) I frame (STATUS message) sent by the IUT to acknowledge the received I frame.
--

(13) RR response frame (3) or I frame (12) not sent by the IUT to acknowledge the received I frame.

Table D.2/7-2: 2nd I command $P=0$ $N(S)=V(R)$ $N(R)=V(S)$
--

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_V_16 Group : DataControl/State70/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and remains in the same state.; or transmits an I frame with P=0 as acknowledgement and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(2)
3		(NS:=(NS+1)MOD 128)			(3)
4		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))	(P)	(4a)
5		L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))		(5)
6		+SUBTREE_1			
7		?TIMEOUT TWL3		(I)	(10)
8		+PO_END			(9)
9		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,NR))		(5)
10		+SUBTREE_1			
11		?TIMEOUT TAC		(F)	(11)
12		+PO_END			(9)
		SUBTREE_1			
13		(NR:=(NR+1)MOD 128)			(6)
14		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,NS))		(7)
15		(NS:=(NS+1)MOD 128)			(3)
16		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(4b)
17		+CS_70_01			state 7.0 ?
18		?TIMEOUT TAC		(F)	(8)
19		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT. (3) N(S) to be acknowledged is updated. (4a,b) RR response frame sent by the IUT to acknowledge the received I frame. (5) I frame (STATUS message) sent by the IUT. (6) NR to be sent is updated. (7) I frame (DISCONNECT COMPLETE message) sent by the tester. (8) RR response (4b) not sent by the IUT. (9) Postamble to a stable state. (10) I frame (5) not sent by the IUT within timer TWL3. (11) RR response (4a) not sent by the IUT. Table D.2/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_1 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a SABME frame with P=1, transmits an UA frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-1: 1st SABME P=1 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_2 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame, on receipt of a SABME frame with P=1, discards the I queue, transmits an UA frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		LIFRs START TAC	Fs(SABMEs(C_TEI,P1))		(2)
3		L?FRr (NR:=0, NS:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(3)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.0 to provide an I frame sent by the IUT. (2) SABME frame sent by the tester. (3) UA frame sent by the IUT. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/2-2: 2nd SABME P=1 V(S)<->V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_3 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a SABME frame with P=0, transmits an UA frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		+CS_70_01			state 7.0
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(3)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-3: 3rd SABME P=0 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_4 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame, on receipt of a SABME frame with P=0, discards the I queue, transmits an UA frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(2)
3		L?FRr (NR:=0, NS:=0) CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(3)
4		+CS_70_01			state 7.0
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(4)
Detailed Comments : (1) Preamble to state 7.0 to provide an I frame sent by the IUT. (2) SABME frame sent by the tester. (3) UA frame sent by the IUT. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/2-4: 4th SABME P=0 V(S)<>V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_5 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a DISC frame with P=0, transmits an UA frame with F=0 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(DISCs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-6: 2nd DISC P=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_6 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an unsolicited DM frame with F=1, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		(1)
3		?TIMEOUT TNOAC1		(P)	(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) DM frame sent by the tester. (2) No frame sent by the IUT. Table D.2/2-9: 1st DM F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_7 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an unsolicited DM frame with F=0, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(DMs(C_TEI,F0))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(3)
Detailed Comments : (1) DM frame sent by the tester. (2) SABME frame sent by the IUT. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-10: 2nd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_8 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a FRMR response frame with F=1 rejecting an UA frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/3-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(FRMR_REJ_UA(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(3)
Detailed Comments : (1) Inopportune FRMR frame sent by the tester. (2) SABME frame sent by the IUT. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/3-3: 3rd FRMR rejecting UA					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_9 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a FRMR response frame with F=1 rejecting an I frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/3-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(FRMR_REJ_I(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame rejecting an I frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/3-5: 5th FRMR response rejecting I command					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_10 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a FRMR response frame with F=1 rejecting a RR frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/3-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(FRMR_REJ_RR(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame rejecting an RR frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/3-6: 6th FRMR response rejecting S frame					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_11					
Group : DataControl/State70/Inopportune/					
Purpose : Ensure that the IUT in state 7.0, on receipt of a RR response frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(RRRs(C_TEI,F1,NR))	(P)	-> state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) RR response frame sent by the tester. (2) No frame sent by the IUT. Table D.2/4-4: 4th RR response F=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_12					
Group : DataControl/State70/Inopportune/					
Purpose : Ensure that the IUT in state 7.0, on receipt of a RR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(RRCs(C_TEI,P1,(NR+P C_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
8		?TIMEOUT TAC		(F)	(7)
9		+PO_END			(6)
Detailed Comments : (1) RR command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. (7) RR response frame not sent by the IUT. Table D.2/4-13: 13th RR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_13 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(RRCs(C_TEI,P0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-14: 14th RR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_14 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-15					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(RRRs(C_TEI,F0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-15: 15th RR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_15 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-16					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR+PC_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-16: 16th RR response F=1 N(R) error					

Test Case Dynamic Behaviour

Test Case Name : L2C_D70_I_16
Group : DataControl/State70/Inopportune/
Purpose : Ensure that the IUT in state 7.0, on receipt of a REJ command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-9

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR+PC_K)MOD 128))		(2)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
8		?TIMEOUT TAC		(F)	(7)
9		+PO_END			(6)

Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received.
 (2) REJ command frame with invalid N(R) sent by the tester.
 (3) RR response frame sent by the IUT.
 (4) The IUT is in state 5.1 and sends a SABME frame.
 (5) SABME frame not sent by the IUT.
 (6) Postamble to a stable state.
 (7) RR response frame not sent by the IUT.
 Table D.2/5-9: 9th REJ command P=1 N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_17 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a REJ command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR+PC_K)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) REJ command frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/5-10: 10th REJ command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_18 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a REJ response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJR(C_TEI,F0,(NR+PC_K)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(5)
6		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) REJ response frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/5-11: 11th REJ response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_19 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a REJ response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-12					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR+PC_K)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(5)
6		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) REJ response frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/5-12: 12th REJ response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_20 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR response frame with F=1, transmits no frame and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TNOAC2	Fs(RNRs(C_TEI,F1,NR))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_74_01			(2) state 7.4 ?
Detailed Comments : (1) RNR response frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.2/6-4: 4th RNR response F=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_21 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR+P C_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.2/6-9: 9th RNR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_22 Group : DataControl/State70/Inoportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(RNCs(C_TEI,P0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) SABME frame sent by the IUT. The IUT is supposed to be in state 5.1. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-10: 10th RNR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_23 Group : DataControl/State70/Inoportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(RNRs(C_TEI,F0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/6-11: 11th RNR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_24 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RNR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-12					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(RNRs(C_TEI,F1,(NR+PC_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-12: 12th RNR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_25 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=1 and invalid N(S), transmits a REJ response frame with F=1 and enters state 7.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,NS))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,(NS+1) MOD 128))	(P)	(2)
4		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,NS))		(3)
5		(NS:=(NS+1)MOD 128)			(4)
6		L?FRr CANCEL TAC	Fr(RJr(C_TEI,F1,NS))	(P)	(5)
7		+CS_71_01			state 7.1 ?
8		?TIMEOUT TAC		(F)	(6)
9		+PO_90_01			(7)
10		?TIMEOUT TAC		(F)	(8)
11		+PO_END			(9)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) RR response frame sent by the IUT to acknowledge the received I frame. (3) I frame (DISCONNECT COMPLETE message) with invalid N(S) sent by the tester. (4) N(S) to be acknowledged is updated. (5) REJ response frame sent by the IUT to reject the last received I frame. (6) REJ response frame not sent by the IUT. (7) Postamble to state 9 using a DISC frame. (8) RR response frame not sent by the IUT. (9) Postamble to a stable state. Table D.2/7-3: 3rd I command P=1 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_26 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=0 and invalid N(S), transmits a REJ response frame with F=0 and enters state 7.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D; table D.2/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		LIFRs START TAC	Fs(IN2(C_TEI,P0,NR,(NS+PC_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(2)
4		+CS_71_01			state 7.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) with invalid N(S) sent by the tester. (2) REJ response frame sent by the IUT to reject the last received I frame. (3) REJ response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/7-4: 4th I command P=0 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D70_I_27

Group : DataControl/State70/Inopportune/

Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-5

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IE1(C_TEI,P1,(NR+PC_K)MOD 128,NS))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,(NS+1)MOD 128))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (no information field included) with invalid N(R) sent by the tester.

(2) RR response frame sent by the IUT.

(3) The IUT is in state 5.1 and sends a SABME frame.

(4) SABME frame not sent by the IUT.

(5) Postamble to a stable state.

(6) RR response frame not sent by the IUT.

Table D.2/8-5: 5th I command P=1 N(S)=V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_28 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IE1(C_TEI,P0,(NR+PC_K)MOD 128,NS))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (no information field included) with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/8-6: 6th I command P=0 N(S)=V(R) N(R) error					

Test Case Dynamic Behaviour

Test Case Name : L2C_D70_I_29
Group : DataControl/State70/Inopportune/
Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=1 and invalid N(R) and N(S), transmits a REJ response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-7

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(IE1(C_TEI,P1,(NR+PC_K)MOD 128, (NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (no information field included) with invalid N(R) and N(S) sent by the tester.
 (2) REJ response frame sent by the IUT to reject the last received I frame.
 (3) The IUT is in state 5.1 and sends a SABME frame.
 (4) SABME frame not sent by the IUT.
 (5) Postamble to a stable state.
 (6) REJ response frame not sent by the IUT.
 Table D.2/8-7: 7th I command P=1 N(S)<>V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_I_30 Group : DataControl/State70/Inopportune/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=0 and invalid N(R) and N(S), transmits a REJ response frame with F=0, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IE1(C_TEI,P0,(NR+PC_K)MOD 128, (NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F0,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) I frame (no information field included) with invalid N(R) and N(S) sent by the tester. (2) REJ response frame sent by the IUT to reject the last received I frame. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) REJ response frame not sent by the IUT. Table D.2/8-8: 8th I command P=0 N(S)<>V(R) N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_1 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a DISC frame with P=1 containing an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(IUF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-2: DISC incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_2 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a FRMR response frame with F=0 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(IFF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-5: FRMR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_3 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of a RR command frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(ISF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-6: Supervisory frame RR, REJ, RNR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_4 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with an information field which exceeds N201 octets, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			-> state 7.0
2		L!FRs START TAC	Fs(IIF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-7: N201 error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_5 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame which contains a Command/response field bit incorrectly set indicating a response frame type, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : ETS 300 402-2, subclause 3.3.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(IIF_BAD_C(C_TEI,P0,N R,NS))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (Command/response field bit incorrectly set) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_6 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, on receipt of an undefined frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(ERR9_UI(0,C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) Undefined unnumbered frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-8: Undefined command and response frames					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_8					
Group : DataControl/State70/SyntacticallyInvalid/					
Purpose : Ensure that the IUT in state 7.0, on receipt of an I frame with P=0 which contains a frame check sequence error, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : ETS 300 402–2, subclauses 2.9, 5.8.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(IIF_FCS(C_TEI,P0,NR,N S))	(P)	→ state 7.0
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) I frame (frame check sequence error) sent by the tester. (2) No frame sent by the IUT.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_S_9 Group : DataControl/State70/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.0, having transmitted a RR response frame with F=1, on receipt of an I frame with P=0 which contains a frame check sequence error, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, subclauses 2.9, 5.8.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(RRCs(C_TEI,P1,NR)) Fr(RRRr(C_TEI,F1,NS)) Fs(IIF_FCS(C_TEI,P0,NR,N S))	(P)	→ state 7.0
2		L!FRs START TAC			(1)
3		L?FRr CANCEL TAC			(2)
4		L!FRs START TNOAC1			(3)
5		?TIMEOUT TNOAC1		(P)	(4)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TAC		(F)	(5)
8		+PO_END			(6)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) I frame (frame check sequence error) sent by the tester. (4) No frame sent by the IUT. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_1 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted two I frames, on receipt of a RR response frame with F=0, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_02 (2)			(1) -> state 7.4
2		L!FRs START TAC	Fs(RRCs(C_TEI,P0,NR))		(2) -> state 7.0
3		L?FRr CANCEL TAC	Fr(IN7(C_TEI,P0,NS,NR))		(3)
4		START T_MIN(PX_T200MIN)			(4)
5		(NR:=(NR+1) MOD 128)			(4)
6		L?FRr CANCEL T_MIN	Fr(IN7(C_TEI,P0,NS,NR))		(5)
7		(NR:=(NR+1) MOD 128)			(4)
8		L!FRs START TNOAC2	Fs(RRRs(C_TEI,F0 ,NR))		(6)
9		?TIMEOUT TNOAC2		(P)	(7)
10		+CS_70_01			state 7.0 ?
11		?TIMEOUT T_MIN		(I)	(7)
12		+PO_90_01			(8)
13		?TIMEOUT TAC		(I)	(9)
14		+PO_90_01			(8)
Detailed Comments : (1) Preamble to state 7.4 and stimulate the layer 3 to invoke a number of DL-DATA request services. Layer 2 however has not executed these requests yet. (2) RR command frame sent by the tester. The IUT will enter state 7.0 and execute the requested services. (3) I frame (STATUS message) sent by the IUT (TMP is used as dummy parameter). (4) N(R) to acknowledge the received I frame is updated. (5) I frame (STATUS message) sent by the IUT (TMP is used as dummy parameter). (6) RR response frame sent by the tester to acknowledge the received I frames. (7) I frame (3) not sent by the IUT. (8) Postamble to state 9 using a DISC frame. (9) I frame (5) not sent by the IUT. Table D.2/4-3: 3rd RR response F=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_2 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RR command frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(4)
5		LIFRs	Fs(RJRs(C_TEI,F1,NR))		(5)
6		+CS_70_01			state 7.0 ?
7		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(6)
8		LIFRs	Fs(RRRs(C_TEI,F1,NR))		(7)
9		+CS_70_01			state 7.0 ?
10		?TIMEOUT T_MAX		(F)	(8)
11		+PO_END			(9)
12		?TIMEOUT TAC		(F)	(10)
13		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) RR response frame sent by the IUT. The IUT is supposed to be in state 7.0. (4) Polling with I frame after expiry of timer T200 in state 7.0 and the IUT will enter state 8.0. (5) REJ response frame sent by the tester to acknowledge the second I frame and the IUT will enter state 7.0. (6) Polling with RR command frame after expiry of timer T200 in state 7.0 and the IUT will enter state 8.0. (7) RR response frame sent by the tester to acknowledge the second I frame and the IUT will enter state 7.0. (8) I frame (4) or RR command frame (6) not sent by the IUT. (9) Postamble to a stable state. (10) RR response frame (3) not sent by the IUT. Table D.2/4-5: 5th RR command P=1 V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_3					
Group : DataControl/State70/Outstanding_I_frames/Valid/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RR command frame with P=0 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RRCs(C_TEI,P0,(NR-1) MOD 128))	(P)	(1) -> state 7.0
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.0 ?
4		+CS_70_03			
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_70_03 to check that the IUT doesn't transmit a frame in response to the RR command frame (2). Table D.2/4-6: 6th RR command P=0 V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_4					
Group : DataControl/State70/Outstanding_I_frames/Valid/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RR response frame with F=0 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.2/4-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))	(P)	(1) -> state 7.0
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.0 ?
4		+CS_70_03			
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_70_03 to check that the IUT doesn't transmit a frame in response to the RR command frame (2). Table D.2/4-7: 7th RR response F=0 V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_5 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1, subsequently the rejected I frames and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TAC, START TWAIT	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(4)
5		L!FRs START TWAIT	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))		(5)
6		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(6)
7		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(7)
8		+CS_70_01			state 7.0 ?
9		?TIMEOUT TWAIT		(F)	(8)
10		+PO_END			(9)
11		?TIMEOUT TWAIT		(F)	(10)
12		+PO_END			(9)
13		?TIMEOUT TAC		(F)	(11)
14		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ command frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) RR response frame sent by the IUT. (4) The first rejected I frame sent by the IUT. (5) RR response frame sent by the tester to acknowledge the last received I frame. (6) The second rejected I frame sent by the IUT. (7) RR response frame sent by the tester to acknowledge the last received I frame. (8) First rejected I frame (4) not sent by the IUT. (9) Postamble to a stable state. (10) Second rejected I frame (6) not sent by the IUT. (11) RR response frame (3) not sent by the IUT. Table D.2/5-5: 5th REJ command P=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_6 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a REJ command frame with P=0, transmits the rejected I frames and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TWAIT	Fs(RJCs(C_TEI,P0,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(3)
4		L!FRs START TWAIT	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ command frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-6: 6th REJ command P=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_7 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a REJ response frame with F=0, transmits the rejected I frames and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TWAIT	Fs(RJRs(C_TEI,F0,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(3)
4		L!FRs START TWAIT	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ response frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-7: 7th REJ command F=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_8 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RNR command frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		+CS_74_02			state 7.4 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/6-5: 5th RNR command P=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_9 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RNR command frame with P=0 which does not acknowledge the last transmitted I frame, transmits no frame and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TNOAC2	Fs(RNCs(C_TEI,P0,(NR-1) MOD 128))		(2)
3		?TIMEOUT TNOAC2		(P)	(3) state 7.4 ?
4		+CS_74_02			
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR command frame (2). Table D.2/6-6: 6th RNR command P=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_10					
Group : DataControl/State70/Outstanding_I_frames/Valid/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RNR response frame with F=0 which does not acknowledge the last transmitted I frame, transmits no frame and enters state 7.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))	(P)	(1) -> state 7.0
2		LIFRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			
4		+CS_74_02			(3) state 7.4 ?
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR response frame (2). Table D.2/6-7: 7th RNR command F=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_11 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RJR(C_TEI,F1,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(7)
9		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(8)
10		+CS_70_01			state 7.0 ?
11		?TIMEOUT T_MAX		(F)	(9)
12		+PO_END			(10)
13		?TIMEOUT TAC		(F)	(11)
14		+PO_END			(10)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT. (5) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (6) REJ response frame sent by the tester to acknowledge all received I frames and to stop timer T200. (7) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (8) RR response frame sent by the tester to acknowledge all received I frames and to stop timer T200. (9) Polling I frame (5) or RR command frame (7) not sent by the IUT. (10) Postamble to a stable state. (11) RR response frame not sent by the IUT. Table D.2/7-5: 5th I command P=1 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_V_12 Group : DataControl/State70/Outstanding_I_frames/Valid/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=0 and remains in the same state; or transmits an I frame with P=0 as acknowledgement and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		+SUBTREE_1			
5		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(4)
6		L!FRs	Fs(RJRs(C_TEI,F1,NR))		(5)
7		+CS_70_01			state 7.0 ?
8		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(6)
9		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(7)
10		+CS_70_01			state 7.0 ?
11		?TIMEOUT T_MAX		(F)	(8)
12		+PO_END			(9)
13		SUBTREE_1			
14		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(RRRr(C_TEI,F0,NS))	(P)	(10)
15		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(11)
16		?TIMEOUT TAC		(F)	(12)
		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) REJ response frame sent by the tester to acknowledge all received I frames and to stop timer T200. (6) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (7) RR response frame sent by the tester to acknowledge all received I frames and to stop timer T200. (8) Polling I frame (4) or RR command frame (6) not sent by the IUT. (9) Postamble to a stable state. (10) RR response frame sent by the IUT as acknowledgement. (11) I frame sent by the IUT as acknowledgement. (12) RR response frame (10) or I frame (11) not sent by the IUT. Table D.2/7-6: 6th I command P=0 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_I_1					
Group : DataControl/State70/Outstanding_I_frames/Inopportune/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RR response frame with F=1 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RRRs(C_TEI,F1,(NR-1) MOD 128))	(P)	(1) -> state 7.0
2		LIFRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.0 ?
4		+CS_70_03			
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_70_03 to check that the IUT doesn't transmit a frame in response to the RR command frame (2). Table D.2/4-8: 8th RR response F=1 V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_I_2 Group : DataControl/State70/Outstanding_I_frames/Inopportune/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a REJ response frame with F=1, transmits the rejected I frames and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TWAIT	Fs(RJR(C_TEI,F1,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(3)
4		L!FRs START TWAIT	Fs(RRR(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRR(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ response frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-8: 8th REJ response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_I_3					
Group : DataControl/State70/Outstanding_I_frames/Inopportune/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of a RNR response frame with F=1 which does not acknowledge the last transmitted I frame, transmits no frame and enters state 7.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RNRs(C_TEI,F1,(NR-1) MOD 128))	(P)	(1) -> state 7.0
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.4 ?
4		+CS_74_02			
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR response frame (2). Table D.2/6-8: 8th RNR response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_I_4					
Group : DataControl/State70/Outstanding_I_frames/Inopportune/					
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=1 and enters state 7.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(IN2(C_TEI,P1,(NR-1) MOD 128, (NS+PC_K) MOD 128)) Fr(RJRr(C_TEI,F1,NS))	(P)	(1) -> state 7.0
2		L!FRs START TAC			(2)
3		L?FRr CANCEL TAC			(3)
4		+CS_71_01		(F)	state 7.1 ?
5		?TIMEOUT TAC			(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) REJ response frame sent by the IUT to reject the last received I frame. (4) REJ response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-7: 7th I command P=1 N(S)<->V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70OI_I_5 Group : DataControl/State70/Outstanding_I_frames/Inopportune/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=0 and enters state 7.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.2/7-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1) MOD 128, (NS+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(3)
4		+CS_71_01			state 7.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) REJ response frame sent by the IUT to reject the last received I frame. (4) REJ response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-8: 8th I command P=0 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_1 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted an I frame with P=0, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1)MOD 128)			(2)
4		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))		(3)
5		L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(4)
6		(NR:=(NR+1)MOD 128)			
7		START T_MIN(PX_T200MIN)			
8		START T_MAX(PX_T200MAX)			
9		?TIMEOUT T_MIN			
10		+SUBTREE_1			
11		?TIMEOUT TWL3		(I)	(5)
12		+PO_END			(6)
13		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(7)
14		(NR:=(NR+1)MOD 128)			
15		START T_MIN(PX_T200MIN)			
16		START T_MAX(PX_T200MAX)			
17		?TIMEOUT T_MIN			
18		+SUBTREE_1			
19		?TIMEOUT TAC		(F)	(8)
20		+PO_END			(6)
21		SUBTREE_1			
22		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(9)
23		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
24		L?FRr CANCEL T_MAX	Fr(IN3(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(10)
25		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
26		?TIMEOUT T_MAX		(F)	(11)
27		+PO_END			(6)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the received I frame. (4) I frame (STATUS message) sent by the IUT. (5) I frame (STATUS message) not sent by the IUT. (6) Postamble to a stable state. (7) I frame (STATUS message) sent by the IUT to acknowledge the received I frame. (8) I frame (7) or RR response (3) not sent by the IUT. (9) Polling with RR command frame after first expiry of timer T200 in state 7.0 and the IUT will enter state 8.0. (10) Polling with I frame after first expiry of timer T200 in state 7.0 and the IUT will enter state					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Detailed Comments : ... 8.0. (11) Polling RR command frame (9) or I frame (10) not sent by the IUT. Simulation of RR frame loss. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_2 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and an I frame with P=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		START T_MIN(PX_T200MIN)			
6		START T_MAX(PX_T200MAX)			
7		?TIMEOUT T_MIN			
8		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(5)
9		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
10		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(6)
11		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
12		?TIMEOUT T_MAX		(F)	(7)
13		+PO_END			(8)
14		?TIMEOUT TAC		(F)	(9)
15		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT. (5) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (6) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (7) Polling RR command frame (5) or I frame (6) not sent by the IUT. (8) Postamble to a stable state. (9) RR response frame not sent by the IUT. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour

Test Case Name : L2C_D70_T_3
Group : DataControl/State70/Timer/
Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and an I frame with P=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200,
transmits a RR command frame with P=1 and enters state 8.0;
or
transmits an I frame with P=1 and enters state 8.0.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		+SUBTREE_1			
5		START T_MIN(PX_T200MIN)			
6		START T_MAX(PX_T200MAX)			
7		?TIMEOUT T_MIN			
8		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(4)
9		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
10		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(5)
11		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
12		?TIMEOUT T_MAX		(F)	(6)
13		+PO_END			(7)
		SUBTREE_1			
14		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(8)
15		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(9)
16		?TIMEOUT TAC		(F)	(10)
17		+PO_END			(7)

Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).
(2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1).
(3) NS to be received in the response frame is incremented.
(4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame.
(5) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame.
(6) Polling RR command frame (4) or I frame (5) not sent by the IUT.
(7) Postamble to a stable state.
(8) RR response frame sent by the IUT.
(9) I frame sent by the IUT.
(10) RR response frame () or I frame (10) not sent by the IUT.
To test the duration of timer T200 is also part of this test.
Table D.2/9-1: 1st T200 timeout RC<N200

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_4 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and a RR command frame with P=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200 transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		START T_MIN(PX_T200MIN)			
5		START T_MAX(PX_T200MAX)			
6		?TIMEOUT T_MIN			
7		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(5)
10		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
11		?TIMEOUT T_MAX		(F)	(6)
12		+PO_END			(7)
13		?TIMEOUT TAC		(F)	(8)
14		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) RR response frame sent by the IUT. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (5) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (6) Polling RR command frame (4) or I frame (5) not sent by the IUT. (7) Postamble to a stable state. (8) RR response frame not sent by the IUT. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_5 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and a RR command frame with P=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200 transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRCs(C_TEI,P0,(NR-1)MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_6 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and a RR response frame with F=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200 transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRRs(C_TEI,F0,(NR-1)MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D70_T_7 Group : DataControl/State70/Timer/ Purpose : Ensure that the IUT in state 7.0, having transmitted I frames which are still unacknowledged and a RR response frame with F=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200 transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01			(1) -> state 7.0
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRRs(C_TEI,F1,(NR-1)MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D71_V_1 Group : DataControl/State71/Valid/ Purpose : Ensure that the IUT in state 7.1, on receipt of an I frame with P=1 and correct send and receive sequence numbers, transmits a RR response frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_71_01			-> state 7.1
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_70_02			state 7.0 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D71_V_2

Group : DataControl/State71/Valid/

Purpose : Ensure that the IUT in state 7.1, on receipt of an I frame with P=0 and correct send and receive sequence numbers,
transmits a RR response frame with F=0 and enters state 7.0.
or
transmits an I frame with P=0 as acknowledgement and enters state 7.0.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_71_01			→ state 7.1
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
5		+CS_70_02			state 7.0 ?
6		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(4)
7		(NR:=(NR+1) MOD 128)			(5)
8		+CS_70_02			state 7.0 ?
9		?TIMEOUT TAC		(F)	(6)
10		+PO_END			(7)

Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester.
(2) NS to be received in the RR response frame is incremented.
(3) RR response frame sent by the IUT.
(4) I frame sent by the IUT.
(5) NR to be sent in CS_70_02 is incremented.
(6) RR response frame or I frame not sent by the IUT.
(7) Postamble to a stable state.
Table D.2/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D71_I_1 Group : DataControl/State71/Inopportune/ Purpose : Ensure that the IUT in state 7.1, on receipt of an I frame with P=1 and invalid N(S), transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_71_01			-> state 7.1
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,(NS+1) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_71_02			state 7.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(S) sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/7-3: 3rd I command P=1 N(S)<>V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D71_I_2 Group : DataControl/State71/Inopportune/ Purpose : Ensure that the IUT in state 7.1, on receipt of an I frame with P=0 and invalid N(S), transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_71_01			-> state 7.1
2		L!FRs START TNOAC1	Fs(IN8(C_TEI,P0,NR,(NS+1) MOD 128))		(1)
3		?TIMEOUT TNOAC1		(P)	(2)
4		+CS_71_02			state 7.1 ?
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(S) sent by the tester. (2) No frame sent by the IUT. Table D.2/7-4: 4th I command P=1 N(S)<>V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_1 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a DISC frame with P=1, discards the I queue, transmits an UA frame with F=1 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-5: 1st DISC P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_2 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR command frame with P=1, transmits a RR response frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-1: 1st RR command P=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_3					
Group : DataControl/State74/Valid/					
Purpose : Ensure that the IUT in state 7.4, on receipt of a RR response frame with F=0, transmits no frame and enters state 7.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(RRRs(C_TEI,F0,NR))	(P)	-> state 7.4
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) RR response frame sent by the tester. (2) No frame sent by the IUT. Table D.2/4-3: 3rd RR response F=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_4 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, having received a RNR response frame with F=1 and subsequently an I frame with P=0, on receipt of a RR response frame with F=0, transmits the corresponding I frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.0
2		L!FRs	Fs(RNRs(C_TEI,F1,NR))		(1)
3		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(2)
4		(NS:=(NS+1)MOD 128)			(3)
5		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0 ,NS))		(4)
6		L!FRs	Fs(RRRs(C_TEI,F0 ,NR))		(5)
7		L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(6)
8		(NR:=(NR+1)MOD 128)			(7)
9		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(8)
10		+CS_70_01			state 7.0 ?
11		?TIMEOUT TWL3		(I)	(9)
12		+PO_END			(10)
13		?TIMEOUT TAC		(F)	(11)
14		+PO_END			(10)
Detailed Comments : (1) RNR response frame sent by the tester. (2) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT. (3) NS to be received is incremented. (4) RR response frame sent by the IUT to acknowledge the received I frame. (5) RR response frame sent by the tester to clear the peer receiver busy condition. (6) I frame (STATUS message) sent by the IUT. (7) NR to be sent is incremented. (8) RR response sent by the tester to acknowledge the received I frame. (9) I frame (STATUS message) not sent by the IUT. (10) Postamble to a stable state. (11) RR response frame (4) not sent by the IUT. Table D.2/4-3: 3rd RR response F=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_5 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR-1) MOD 128))		(3)
4		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(4)
5		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(7)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TAC		(F)	(8)
9		+PO_END			(9)
10		?TIMEOUT TAC		(F)	(10)
11		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ command frame sent by the tester to reject the last received I frame. (4) RR response frame sent by the IUT. (5) Rejected I frame sent by the IUT. (7) RR response sent by the tester to acknowledge the received I frame. (8) Rejected I frame not sent by the IUT. (9) Postamble to a stable state. (10) RR response frame not sent by the IUT. Table D.2/5-5: 5th REJ command P=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_6 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ command frame with P=0, transmits no frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR-1) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))		(4)
5		L!FRs START TNOAC2	Fs(RRRs(C_TEI,F0,NR))		(6)
6		?TIMEOUT TNOAC2		(P)	(7)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TAC		(F)	(7)
9		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ command frame sent by the tester to reject the last received I frame. (4) No response frame sent by the IUT but the rejected I frame. The IUT is supposed to be in state 7.0. (6) RR response sent by the tester to acknowledge the received I frame. (7) Rejected I frame not sent by the IUT. (8) Postamble to a stable state. Table D.2/5-6: 6th REJ command P=0 $V(A) \leq N(R) < V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_7 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ response frame with F=0, transmits no frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJR(C_TEI,F0,(NR-1) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))		(4)
5		L!FRs START TNOAC2	Fs(RRRs(C_TEI,F0,NR))		(6)
6		?TIMEOUT TNOAC2		(P)	(7)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TAC		(F)	(7)
9		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ response frame sent by the tester to reject the last received I frame. (4) No response frame sent by the IUT but the rejected I frame. (6) RR response sent by the tester to acknowledge the received I frame. (7) Rejected I frame not sent by the IUT. (8) Postamble to a stable state. Table D.2/5-7: 7th REJ response F=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_8					
Group : DataControl/State74/Valid/					
Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR command frame with P=1, transmits a RR response frame with F=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(RNCs(C_TEI,P1,NR)) Fr(RRRr(C_TEI,F1,NS))	(P)	-> state 7.4
2		L!FRs START TAC			(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_74_01			state 7.4 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END		(4)	
Detailed Comments : (1) RNR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-1: 1st RNR command P=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_9					
Group : DataControl/State74/Valid/					
Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR command frame with P=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(RNCs(C_TEI,P0,NR))	(P)	-> state 7.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			(2) state 7.4 ?
4		+CS_74_01			
Detailed Comments : (1) RNR command frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR command frame (1). Table D.2/6-2: 2nd RNR command P=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_10					
Group : DataControl/State74/Valid/					
Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR response frame with F=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141–1, clause 6.2 giving changes to ETS 300 402–2, Annex D: table D.2/6–3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(RNRs(C_TEI,F0,NR))	(P)	→ state 7.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_74_01			(2) state 7.4 ?
Detailed Comments : (1) RNR response frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.2/6–3: 3rd RNR response F=0 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_11					
Group : DataControl/State74/Valid/					
Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_74_01			state 7.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) sent by the tester. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the last received I frame. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_12 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			(1)
2		L!FRs	Fs(RNRs(C_TEI,F1,NR))		(2) -> state 7.4
3		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(3)
4		(NS:=(NS+1) MOD 128)			(4)
5		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(5)
6		+CS_74_01			state 7.4 ?
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(7)
Detailed Comments : (1) Preamble to state 8.4 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The IUT has to maintain the peer receiver busy condition. (3) I frame (STATUS ENQUIRY message) sent by the tester. (4) NS to be received in the RR response frame is incremented. (5) RR response frame sent by the IUT to acknowledge the last received I frame. (6) RR response frame not sent by the IUT. (7) Postamble to a stable state. Table D.2/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_V_13 Group : DataControl/State74/Valid/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
5		+CS_74_01			state 7.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (STATUS ENQUIRY message) sent by the tester. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the last received I frame. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_1 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a SABME frame with P=1, transmits an UA frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-1: 1st SABME P=1 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_2 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a SABME frame with P=0, transmits an UA frame with F=0 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-3: 3rd SABME P=0 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_3 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a DISC frame with P=0, discards the I queue, transmits an UA frame with F=0 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(DISCs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-6: 2nd DISC P=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_4					
Group : DataControl/State74/Inopportune/					
Purpose : Ensure that the IUT in state 7.4, on receipt of an unsolicited DM frame with F=1, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(DMs(C_TEI,F1))	(P)	-> state 7.4
2		LIFRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_74_01			(2) state 7.4 ?
Detailed Comments : (1) DM frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the DM frame. Table D.2/2-9: 1st DM F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_5					
Group : DataControl/State74/Inoportune/					
Purpose : Ensure that the IUT in state 7.4, on receipt of an unsolicited DM frame with F=0, transmits a SABME frame with P=1 and enters state 5.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/2-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01	Fs(DMs(C_TEI,F0)) Fr(SABMEr(C_TEI,P1))	(P)	-> state 7.4
2		L!FRs START TAC			(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DM frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/2-10: 2nd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_6 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a FRMR response frame with F=1 rejecting an I frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/3-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(FRMR_REJ_I(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/3-5: 5th FRMR response rejecting I command					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_7 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-13					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RR command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.2/4-13: 13th RR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_8 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-14					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(RRCs(C_TEI,P0,(NR+P_C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-14: 14th RR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_9 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-15					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(RRRs(C_TEI,F0,(NR+P_C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-15: 15th RR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_10 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/4-16					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/4-16: 16th RR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_11 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ response frame with F=1, transmits no frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TNOAC1	Fs(RJR(C_TEI,F1,(NR-1) MOD 128))		(3)
4		L?FRr CANCEL TNOAC1	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(4)
5		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(6)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TNOAC1		(F)	(7)
8		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ command frame sent by the tester to reject the last received I frame. (4) No response frame sent by the IUT but the rejected I frame. (6) RR response sent by the tester to acknowledge the received I frame. (7) Rejected I frame not sent by the IUT. (8) Postamble to a stable state. Table D.2/5-8: 8th REJ response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_12 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		LIFRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		LIFRs START TAC	Fs(RJCs(C_TEI,P1,(NR+PC_K) MOD 128))		(3)
4		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(5)
6		+CS_5n_01			state 5.1 ?
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(7)
9		?TIMEOUT TAC		(F)	(8)
10		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ command frame with invalid N(R) sent by the tester. (4) RR response frame sent by the IUT. (5) SABME frame sent by the IUT. The IUT is supposed to be in state 5.1. (6) SABME frame not sent by the IUT. (7) Postamble to a stable state. (8) RR response frame not sent by the IUT. Table D.2/5-9: 9th REJ command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_13 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR+PC_K) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ command frame with invalid N(R) sent by the tester. (4) SABME frame sent by the IUT. The IUT is supposed to be in state 5.1. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/5-10: 10th REJ command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_14 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJR(C_TEI,F0,(NR+PC_K) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ response frame with invalid N(R) sent by the tester. (4) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/5-11: 11th REJ response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_15 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a REJ response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-12					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2) -> state 7.4
3		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR+PC_K) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received. (2) RNR response frame sent by the tester to bring the IUT to state 7.4. The last received I frame is not acknowledged. (3) REJ response frame with invalid N(R) sent by the tester. (4) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/5-12: 12th REJ response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_16 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR response frame with F=1, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TNOAC2	Fs(RNRs(C_TEI,F1,NR))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_74_01			(2) state 7.4 ?
Detailed Comments : (1) RNR response frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.2/6-4: 4th RNR response F=1 N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_17 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.2/6-9: 9th RNR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_18 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(RNCs(C_TEI,P0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-10: 10th RNR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_19 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(RNRs(C_TEI,F0,(NR+P_C_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-11: 11th RNR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_20 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RNR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-12					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(RNRs(C_TEI,F1,(NR+PC_K)MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/6-12: 12th RNR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_21 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=1 and invalid N(S), transmits a REJ response frame with F=1 and enters state 7.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(IE1(C_TEI,P1,NR,(NS+P_C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_75_01			state 7.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (without information field) sent by the tester. (2) REJ response frame sent by the IUT to reject the last received I frame. (3) REJ response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/7-3: 3rd I command P=1 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_22 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0 and invalid N(S), transmits a REJ response frame with F=0 and enters state 7.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(IE1(C_TEI,P0,NR,(NS+P C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(2)
4		+CS_75_01			state 7.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (without information field) sent by the tester. (2) REJ response frame sent by the IUT to reject the last received I frame. (3) REJ response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/7-4: 4th I command P=0 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_23 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(IE1(C_TEI,P1,(NR+PC_K)MOD 128,NS))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,(NS+1)MOD 128))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) I frame (no information field included) with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT to acknowledge the received I frame. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.2/8-5: 5th I command P=1 N(S)=V(R) N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_24 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		LIFRs START TAC	Fs(IE1(C_TEI,P0,(NR+PC_K)MOD 128,NS))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (no information field included) with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/8-6: 6th I command P=0 N(S)=V(R) N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_I_25 Group : DataControl/State74/Inopportune/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=1 and invalid N(R) and N(S), transmits a REJ response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(IE1(C_TEI,P1,(NR+PC_K)MOD 128,(NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) I frame (no information field included) with invalid N(R) and N(S) sent by the tester. (2) REJ response frame sent by the IUT to reject the last received I frame. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) REJ response frame not sent by the IUT. Table D.2/8-7: 7th I command, P=1, N(S)<>V(R), N(R) error					

Test Case Dynamic Behaviour

Test Case Name : L2C_D74_I_26
Group : DataControl/State74/Inopportune/
Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0 and invalid N(R) and N(S), transmits a REJ response frame with F=0, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/8-8

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(IE1(C_TEI,P0,(NR+PC_K)MOD 128,(NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F0,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (no information field included) with invalid N(R) and N(S) sent by the tester.
 (2) REJ response frame sent by the IUT to reject the last received I frame.
 (3) The IUT is in state 5.1 and sends a SABME frame.
 (4) SABME frame not sent by the IUT.
 (5) Postamble to a stable state.
 (6) REJ response frame not sent by the IUT.
 Table D.2/8-8: 8th I command P=0 N(S)<>V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_1 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a DISC frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(IUF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-2: DISC incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_2 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a FRMR response frame with F=0 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(IFF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2) state 5.1 ?
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-5: FRMR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_3 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of a RR command frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(ISF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-6: Supervisory frame RR, REJ, RNR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_4 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with an information field which exceeds N201 octets, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			→ state 7.4
2		L!FRs START TAC	Fs(IIF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (frame too long; information field with N201+1 octets) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-7: N201 error.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_5 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of an undefined frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/10-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TAC	Fs(ERR9_UI(0, C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) Undefined 4 octet frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/10-8: Undefined command and response frames					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_S_6 Group : DataControl/State74/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 7.4, on receipt of an I frame with P=0 which contains a frame check sequence error, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, subclause 2.9, 5.8.5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.4
2		L!FRs START TNOAC2	Fs(IIF_FCS (C_TEI,P0,NR,NS))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_74_01			(2) state 7.4 ?
Detailed Comments : (1) I frame (frame check sequence error) sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1).					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_1 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1, subsequently the rejected I frames and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TAC, START TWAIT	Fr(RRRr(C_TEI,F1,NS))		(3)
4		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))		(4)
5		L!FRs START TWAIT	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))		(5)
6		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(6)
7		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(7)
8		+CS_70_01			state 7.0 ?
9		?TIMEOUT TWAIT		(F)	(8)
10		+PO_END			(9)
11		?TIMEOUT TWAIT		(F)	(10)
12		+PO_END			(9)
13		?TIMEOUT TAC		(F)	(11)
14		+PO_END			(9)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ command frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) RR response frame sent by the IUT. (4) The first rejected I frame sent by the IUT. (5) RR response frame sent by the tester to acknowledge the last received I frame. (6) The second rejected I frame sent by the IUT. (7) RR response frame sent by the tester to acknowledge the last received I frame. (8) First rejected I frame (4) not sent by the IUT. (9) Postamble to a stable state. (10) Second rejected I frame (6) not sent by the IUT. (11) RR response frame (3) not sent by the IUT. Table D.2/5-5: 5th REJ command P=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_2 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a REJ command frame with P=0, transmits the rejected I frames and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TWAIT	Fs(RJCs(C_TEI,P0,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(3)
4		L!FRs START TWAIT	Fs(RRRs(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ command frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-6: 6th REJ command P=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_3 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a REJ response frame with F=0, transmits the rejected I frames and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TWAIT	Fs(RJR(C_TEI,F0,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))		(3)
4		L!FRs START TWAIT	Fs(RRR(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRR(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ response frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-7: 7th REJ command F=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_4 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a RNR command frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		+CS_74_02			state 7.4 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/6-5: 5th RNR command P=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_5 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a RNR command frame with P=0 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TNOAC2	Fs(RNCs(C_TEI,P0,(NR-1) MOD 128))		(2)
3		?TIMEOUT TNOAC2		(P)	(3) state 7.4 ?
4		+CS_74_02			
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR command frame (2). Table D.2/6-6: 6th RNR command P=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_6					
Group : DataControl/State74/Outstanding_I_frame/Valid/					
Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a RNR response frame with F=0 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))	(P)	(1) -> state 7.4
2		LIFRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 7.4 ?
4		+CS_74_02			
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR command frame (2). Table D.2/6-7: 7th RNR command F=0 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_7					
Group : DataControl/State74/Outstanding_I_frame/Valid/					
Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		LIFRs START TAC	Fs(IN2(C_TEI,P1,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		+CS_74_02			state 7.4 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/7-5: 5th I command P=1 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_V_8 Group : DataControl/State74/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(4)
5		+CS_74_02			state 7.4 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state. Table D.2/7-6: 6th I command P=0 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_I_1 Group : DataControl/State74/Outstanding_I_frame/Inopportune/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a REJ response frame with F=1, transmits the rejected I frames and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TWAIT	Fs(RJR(C_TEI,F1,(NR-2) MOD 128))		(2)
3		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-2) MOD 128))	(P)	(3)
4		L!FRs START TWAIT	Fs(RRR(C_TEI,F0,(NR-1) MOD 128))		(4)
5		L?FRr CANCEL TWAIT	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
6		L!FRs	Fs(RRR(C_TEI,F0,NR))		(6)
7		+CS_70_01			state 7.0 ?
8		?TIMEOUT TWAIT		(F)	(7)
9		+PO_END			(8)
10		?TIMEOUT TWAIT		(F)	(9)
11		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) REJ response frame sent by the tester rejecting two I frames (N(R)=V(S)-2). (3) The first rejected I frame sent by the IUT. (4) RR response frame sent by the tester to acknowledge the last received I frame. (5) The second rejected I frame sent by the IUT. (6) RR response frame sent by the tester to acknowledge the last received I frame. (7) First rejected I frame (3) not sent by the IUT. (8) Postamble to a stable state. (9) Second rejected I frame (5) not sent by the IUT. Table D.2/5-8: 8th REJ response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_I_2					
Group : DataControl/State74/Outstanding_I_frame/Inopportune/					
Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of a RNR response frame with F=1 which does not acknowledge the last transmitted I frame, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/6-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01	Fs(RNRs(C_TEI,F1,(NR-1) MOD 128))	(P)	(1) -> state 7.4
2		LIFRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			
4		+CS_74_02			(3) state 7.4 ?
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) It's part of CS_74_02 to check that the IUT doesn't transmit a frame in response to the RNR command frame (2). Table D.2/6-8: 8th RNR response F=1 V(A)<=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74OI_I_3 Group : DataControl/State74/Outstanding_I_frame/Inopportune/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=1 and enters state 7.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,(NR-1) MOD 128, (NS+PC_K) MOD 128))	(P)	(2)
3		L?FRr CANCEL TAC			(3)
4		+CS_75_01			state 7.5 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) REJ response frame sent by the IUT to reject the last received I frame. (4) REJ response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-7: 7th I command P=1 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D74OI_I_4
Group : DataControl/State74/Outstanding_I_frame/Inopportune/
Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=0 and enters state 7.5.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-8

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1)MOD 128, (NS+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(3)
4		+CS_75_01			state 7.5 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)

Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).
 (2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1).
 (3) REJ response frame sent by the IUT to reject the last received I frame.
 (4) REJ response frame not sent by the IUT.
 (5) Postamble to a stable state.
 Table D.2/7-8: 8th I command P=0 N(S)<>V(R) V(A)<N(R)<V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_1 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RR command frame with P=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
4		START T_MIN(PX_T200MIN)			
5		START T_MAX(PX_T200MAX)			
6		?TIMEOUT T_MIN			
7		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(5)
10		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
11		?TIMEOUT T_MAX		(F)	(6)
12		+PO_END			(7)
13		?TIMEOUT TAC		(F)	(8)
14		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) RR response frame sent by the IUT. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (5) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (6) Polling RR command frame (4) or I frame (5) not sent by the IUT. (7) Postamble to a stable state. (8) RR response frame not sent by the IUT. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_2 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RR command frame with P=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRCs(C_TEI,P0,(NR-1) MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1))MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_3 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RR response frame with F=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRRs(C_TEI,F0,(NR-1)MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_4 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RR response frame with F=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.0; or transmits an I frame with P=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RRRs(C_TEI,F1,(NR-1)MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1)MOD 128))	(P)	(4)
8		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(5)
10		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with a RR command frame. (4) The IUT is supposed to be in state 7.0 and polls after expiry of timer T200 with an I frame. (5) Polling RR command frame (3) or I frame (4) not sent by the IUT. (6) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_5 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RNR command frame with P=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	Fs(RNCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN	Fr(RRCr(C_TEI,P1,NS))		
5		L?FRr CANCEL T_MAX		(P)	(3)
6		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
7		?TIMEOUT T_MAX		(F)	(4)
8		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.4 and polls after expiry of timer T200 with a RR command frame. (4) Polling RR command frame not sent by the IUT. (5) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour

Test Case Name : L2C_D74_T_6

Group : DataControl/State74/Timer/

Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RNR command frame with P=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200 transmits a RR command frame with P=1 and enters state 8.4.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	FS(RNCs(C_TEI,P0,(NR-1) MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
7		?TIMEOUT T_MAX		(F)	(4)
8		+PO_END			(5)

Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).
 (2) RNR command frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1).
 (3) The IUT is supposed to be in state 7.4 and polls after expiry of timer T200 with a RR command frame.
 (4) Polling RR command frame not sent by the IUT.
 (5) Postamble to a stable state.
 To test the duration of timer T200 is also part of this test.
 Table D.2/9-1: 1st T200 timeout RC<N200

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_7 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RNR response frame with F=0 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	FS(RNRs(C_TEI,F0,(NR-1) MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
7		?TIMEOUT T_MAX		(F)	(4)
8		+PO_END			(5)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) The IUT is supposed to be in state 7.4 and polls after expiry of timer T200 with a RR command frame. (4) Polling RR command frame not sent by the IUT. (5) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.2/9-1: 1st T200 timeout RC<N200					

Test Case Dynamic Behaviour

Test Case Name : L2C_D74_T_8

Group : DataControl/State74/Timer/

Purpose : Ensure that the IUT in state 7.4, having transmitted I frames which are still unacknowledged and a RNR response frame with F=1 was received which does not acknowledge the last transmitted I frame, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.4.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: Table D.2/9-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1) -> state 7.4
2		L!FRs START T_MIN(PX_T200MIN)	FS(RNRs(C_TEI,F1,(NR-1) MOD 128))		(2)
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(3)
6		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
7		?TIMEOUT T_MAX		(F)	(4)
8		+PO_END			(5)

Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).
 (2) RNR response frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1).
 (3) The IUT is supposed to be in state 7.4 and polls after expiry of timer T200 with a RR command frame.
 (4) Polling RR command frame not sent by the IUT.
 (5) Postamble to a stable state.
 To test the duration of timer T200 is also part of this test.
 Table D.2/9-1: 1st T200 timeout RC<N200

Test Case Dynamic Behaviour					
Test Case Name : L2C_D74_T_9 Group : DataControl/State74/Timer/ Purpose : Ensure that the IUT in state 7.4, on expiry of timer T200, transmits a RR command frame with P=1 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			-> state 7.0
2		START T_MIN(PX_T200MIN)			
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(1)
6		+CS_84_01(NR)			state 8.4 ?
7		?TIMEOUT T_MAX		(F)	(2)
8		+PO_END			(3)
Detailed Comments : (1) RR command frame sent by the IUT after expiry of timer T200. The IUT is supposed to be in state 8.4. (2) Polling RR command frame (1) not sent by the IUT. (3) Postamble to a stable state.					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D75_V_1 Group : DataControl/State75/Valid/ Purpose : Ensure that the IUT in state 7.5, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_75_01			-> state 7.5
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_74_02			state 7.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the IUT. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D75_V_2 Group : DataControl/State75/Valid/ Purpose : Ensure that the IUT in state 7.5, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_75_01			-> state 7.5
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
5		+CS_74_02			state 7.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the IUT. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.2/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D75_I_1 Group : DataControl/State75/Inopportune/ Purpose : Ensure that the IUT in state 7.5, on receipt of an I frame with P=1 and invalid N(S), transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_75_01			-> state 7.5
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,(NS+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_75_01			state 7.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the IUT. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.2/7-3: 3rd I command P=1 N(S)<>V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D75_I_2					
Group : DataControl/State75/Inopportune/					
Purpose : Ensure that the IUT in state 7.5, on receipt of an I frame with P=0 and invalid N(S), transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.2/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_75_01	Fs(IN8(C_TEI,P0,NR,(NS+PC_K) MOD 128))	(P)	-> state 7.5
2		LIFRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			(2) state 7.5 ?
4		+CS_75_01			
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the IUT. (2) It's part of CS_75_01 to check that the IUT doesn't transmit a frame in response to the I frame (1). Table D.2/7-4: 4th I command P=0 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_1					
Group : DataControl/State80/Valid/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a DISC frame with P=1, discards the I queue, transmits an UA frame with F=1 and enters state 9.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(DISCs(C_TEI,P1)) Fr(UAr(C_TEI,F1))	(P)	-> state 8.0
2		L!FRs START TAC			(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-5: 1st DISC P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_2 Group : DataControl/State80/Valid/ Purpose : Ensure that the IUT in state 8.0, on receipt of a DISC frame with P=0, discards the I queue, transmits an UA frame with F=0 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(DISCs(C_TEl,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEl,F0))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-6: 1st DISC P=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_3 Group : DataControl/State80/Valid/ Purpose : Ensure that the IUT in state 8.0, having transmitted a RR command frame with P=1 or an I frame with P=1, on receipt of a RR response frame with F=1 which does not acknowledge the last transmitted I frame, transmits an I frame with P=0, and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			(1) -> state 8.0
2		START T_MAX(PX_T200MAX)			
3		L?FRr CANCEL T_MAX	Fr(RRrCr(C_TEI,P1,NS))	(P)	(2)
4		+SUBTREE_1			
5		L?FRr CANCEL T_MAX	Fr(IN3(C_TEI,P1,NS,(NR-1) MOD 128))	(P)	(3)
6		+SUBTREE_1			
7		?TIMEOUT T_MAX		(F)	(4)
8		+PO_END			(5)
		SUBTREE_1			
9		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR-1) MOD 128))		(6)
10		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(7)
11		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(8)
12		+CS_70_01			state 7.0 ?
13		?TIMEOUT TAC		(F)	(9)
14		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.0 having requested a response of layer 3 which is already received. (2) The IUT is polling with a RR command frame with P=1. (3) The IUT is still polling with an I frame with P=1 (lost I frame). (4) Polling RR command frame (2) or I frame (3) not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame sent by the tester (to confirm I frame loss). (7) I frame (STATUS message) sent by the IUT (lost I frame). (8) RR response frame to acknowledge the received I frame. (9) I frame (7) not sent by the IUT. Simulation of I frame loss. Table D.3/4-4: 4th RR response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_4					
Group : DataControl/State80/Valid/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ response frame with F=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(RJRs(C_TEI,F0,NR))	(P)	-> state 8.0
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			(2) state 8.0 ?
4		+CS_80_01((NR-1)MOD 128)			
Detailed Comments : (1) REJ response frame sent by the tester to acknowledge the last received I frame. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the REJ response frame (1). Table D.3/5-3: 3rd REJ response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_5					
Group : DataControl/State80/Valid/					
Purpose : Ensure that the IUT in state 8.0, having transmitted an I frame with P=0, on receipt of a REJ response frame with F=1, transmits the corresponding I frame and enters state 7.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TWAIT	Fs(RJRs(C_TEI,F1,(NR-1) MOD 128))		(1)
3		L?FRr CANCEL TWAIT	Fr(IN3(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(2)
4		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(3)
5		+CS_70_01			state 7.0 ?
6		?TIMEOUT TWAIT		(F)	(4)
7		+PO_END			
Detailed Comments : (1) REJ response frame sent by the tester to reject the last received I frame. (2) Rejected I frame (STATUS message) sent by the IUT. (3) RR response frame sent by the tester to acknowledge the received I frame. (4) Rejected I frame not sent by the IUT. An I frame will be received as soon as the IUT is able to send it. Table D.3/5-4: 4th REJ response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_6 Group : DataControl/State80/Valid/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR command frame with P=1, transmits a RR response frame with F=1 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_84_01(NR)			state 8.4 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-1: 1st RNR command P=1 $V(A) \leq N(R) \leq V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_V_7 Group : DataControl/State80/Valid/ Purpose : Ensure that the IUT in state 8.0, having transmitted an I frame with P=0, on receipt of a RNR response frame with F=1, transmits no frame and enters state 7.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TNOAC2	Fs(RNRs(C_TEI,F1,NR))		(1)
3		?TIMEOUT TNOAC2		(P)	(2) state 7.4 ?
4		+CS_74_01			
Detailed Comments : (1) RNR response frame sent by the tester. (2) It's part of CS_74_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.3/6-4: 4th RNR response F=1 $V(A) \leq N(R) \leq V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_1 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a SABME frame with P=1, transmits an UA frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		(NS:=0, NR:=0)			(3)
5		+CS_70_01			state 7.0
6		?TIMEOUT TAC		(F)	?
7		+PO_END			(4)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) Reset of test case variables NR and NS. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/2-1: 1st SABME P=1 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_2 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a SABME frame with P=0, transmits an UA frame with F=0 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		(NS:=0, NR:=0)			(3)
5		+CS_70_01			state 7.0
6		?TIMEOUT TAC		(F)	?
7		+PO_END			(4)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) Reset of test case variables NR and NS. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/2-3: 3rd SABME P=0 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_3 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a DM frame with F=1, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(DMs(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DM frame sent by the tester. (2) SABME frame sent by the IUT. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-9: 1st DM F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_4 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of an unsolicited DM frame with F=0, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(DMs(C_TEI,F0))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DM frame sent by the tester. (2) SABME frame sent by the IUT. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-10: 2nd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_5 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a FRMR response frame with F=1 rejecting an I frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/3-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(FRMR_REJ_I(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame rejecting an I frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/3-5: 5th FRMR response rejecting I command					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_6 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR command frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_80_01(NR)			state 8.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-1: 1st RR command P=1 $V(A) \leq N(R) \leq V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_7					
Group : DataControl/State80/Inopportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a RR command frame with P=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(RRCs(C_TEI,P0,NR))	(P)	-> state 8.0
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_80_01(NR)			(2) state 8.0 ?
Detailed Comments : (1) RR command frame sent by the tester. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the REJ command frame (1). Table D.3/4-2: 2nd RR command P=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_8					
Group : DataControl/State80/Inopportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a RR response frame with F=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(RRRs(C_TEI,F0,NR))	(P)	-> state 8.0
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_80_01(NR)			(2) state 8.0 ?
Detailed Comments : (1) RR response frame sent by the tester. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the RR response frame (1). Table D.3/4-3: 3rd RR response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_9 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, having received I frames containing layer 3 messages requesting a response, on receipt of a RR response frame with F=1, transmits an I frame with P=0 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN4(C_TEI,P0,(NR-1)MOD 128,NS))		(1)
3		+SUBTREE_1			
4		L!FRs START TAC	Fs(RRRs(C_TEI,F1,NR))		(2)
5		(NS:=(NS+1) MOD 128)			(3)
6		L?FRr	Fr(IN7(C_TEI,P0,NS,NR))	(P)	(4)
7		CANCEL TAC			
8		(NR:=(NR+1) MOD 128)			(5)
9		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(6)
10		+CS_70_01			state 7.0 ?
11		?TIMEOUT TAC		(F)	(7)
12		+PO_END			(8)
		SUBTREE_1			
13		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(RRRr(C_TEI,F0,(NS+1)MOD 128))	(P)	(9)
14		+SUBTREE_2			
15		L?FRr CANCEL TAC, START T_MAX(PX_T200MAX)	Fr(IN3(C_TEI,P0,(NS+1)MOD 128,(NR-1)MOD 128))	(P)	(10)
16		+SUBTREE_2			
17		?TIMEOUT TAC		(F)	(11)
18		+PO_END			(8)
		SUBTREE_2			
19		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,(NS+1)MOD 128))	(P)	(12)
20		L?FRr CANCEL T_MAX	Fr(IN3(C_TEI,P1,(NS+1)MOD 128,(NR-1)MOD 128))	(P)	(13)
21		?TIMEOUT T_MAX		(F)	(14)
22		+PO_END			(8)
Detailed Comments : (1) I frame (second STATUS ENQUIRY message) sent by the tester. The last received I frame is not acknowledged. (2) RR response frame sent by the tester to acknowledge all I frames and to clear timer recovery. (3) NS to be received in the following I frame is incremented. (4) I frame (2nd STATUS message) sent by the IUT. (5) NR to be sent in the following RR response frame is incremented. (6) RR response frame sent by the tester to acknowledge the received I frame (4). (7) I frame (4) not sent by the IUT. (8) Postamble to a stable state. (9) RR response frame sent by the IUT to acknowledge the received I frame (1). (10) I frame sent by the IUT to acknowledge the received I frame (1).					

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Detailed Comments : ... (11) RR command frame (9) or I frame (10) not sent by the IUT. (12) The IUT is polling with a RR command frame with P=1. (13) The IUT is still polling with an I frame with P=1. (14) Polling RR command frame (12) or I frame (13) not sent by the IUT. Table D.3/4-4: 4th RR response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_10 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.3/4-5: 5th RR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_11 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(RRCs(C_TEI,P0,(NR+P C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(3)
					(4)
Detailed Comments : (1) RR command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-6: 6th RR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_12 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(RRRs(C_TEI,F0,(NR+PC _K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1
5		?TIMEOUT TAC		(F)	?
6		+PO_END			(3)
					(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-7: 7th RR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_13 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-8: 8th RR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_14 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, having transmitted an I frame with P=0, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_80_01(NR)			state 8.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) REJ command frame sent by the tester to acknowledge the last received I frame. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/5-1: 1st REJ command P=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_15					
Group : DataControl/State80/Inoportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ command frame with P=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(RJCs(C_TEI,P0,NR))	(P)	-> state 8.0
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			(2) state 8.0 ?
4		+CS_80_01(NR)			
Detailed Comments : (1) REJ command frame sent by the tester to acknowledge the last received I frame. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the REJ command frame (1). Table D.3/5-2: 2nd REJ command P=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_16					
Group : DataControl/State80/Inopportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR+PC_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) REJ command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.3/5-5: 5th REJ command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_17 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) REJ command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/5-6: 6th REJ command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_18 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RJRs(C_TEI,F0,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) REJ response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/5-7: 7th REJ response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_19 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a REJ response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(RJR _s (C _{_TEI} ,F1,(NR+PC _{_K}) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C _{_TEI} ,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) REJ response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/5-8: 8th REJ response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_20 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR command frame with P=0, transmits no frame and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TNOAC2	Fs(RNC _s (C _{_TEI} ,P0,NR))		(1)
3		?TIMEOUT TNOAC2		(P)	(2) state 8.4 ?
4		+CS_84_01(NR)			
Detailed Comments : (1) RNR command frame sent by the tester to acknowledge the last received I frame. (2) It's part of CS_84_01 to check that the IUT doesn't transmit a frame in response to the RNR command frame (1). Table D.3/6-2: 2nd RNR command P=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_21					
Group : DataControl/State80/Inopportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR response frame with F=0, transmits no frame and enters state 8.4.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01	Fs(RNRs(C_TEI,F0,NR))	(P)	-> state 8.0
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_84_01(NR)			(2) state 8.4 ?
Detailed Comments : (1) RNR response frame sent by the tester to acknowledge the last received I frame. (2) It's part of CS_84_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.3/6-3: 3rd RNR response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_22					
Group : DataControl/State80/Inopportune/					
Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RNR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.3/6-5: 5th RNR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_23 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(RNCs(C_TEI,P0,(NR+P C_K) MOD 128)) Fr(SABMEr(C_TEI,P1))	(P)	(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC			(3)
6		+PO_END		(F)	(4)
Detailed Comments : (1) RNR command frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-6: 6th RNR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_24 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(RNRs(C_TEI,F0,(NR+PC _K) MOD 128)) Fr(SABMEr(C_TEI,P1))	(P)	(1)
3		L?FRr CANCEL TAC			(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC			(3)
6		+PO_END		(F)	(4)
Detailed Comments : (1) RNR response frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-7: 7th RNR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_25 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RNR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(RNRs(C_TEI,F1,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-8: 8th RNR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_26 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, having transmitted an I frame with P=0, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_80_01(NR)			state 8.0 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) NS to be received in the following RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the received I frame. (4) RR response frame not sent by the IUT to acknowledge the received I frame. (5) Postamble to a stable state. Table D.3/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D80_I_27
Group : DataControl/State80/Inopportune/
Purpose : Ensure that the IUT in state 8.0, having transmitted an I frame with P=0, on receipt of an I frame with P=0,
transmits a RR response frame with F=0 and remains in the same state;
or
transmits an I frame with P=0 as acknowledgement and remains in the same state.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-2

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			(1) -> state 8.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(2)
3		(NS:=(NS+1)MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(4)
5		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
6		L?FRr CANCEL TAC	Fr(IN3(C_TEI,P0,NS,(NR-1)MOD 128))		(5)
7		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(7)

Detailed Comments : (1) Preamble to state 7.0 having requested a response of layer 3 which is already received.
(2) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT.
(3) N(S) to be acknowledged is updated.
(4) RR response frame sent by the IUT to acknowledge the received I frame.
(5) I frame (STATUS message) sent by the IUT.
(6) RR response (4) or I frame (5) not sent by the IUT.
(7) Postamble to a stable state.
Table D.3/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_28 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=1 and invalid N(S), transmits a REJ response frame with F=1 and enters state 8.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,(NS+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJr(C_TEI,F1,NS))	(P)	(2)
4		+CS_81_01(NR)			state 8.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) REJ response frame sent by the IUT to reject the received I frame. (3) REJ response frame not sent by the IUT to reject the received I frame. (4) Postamble to a stable state. Table D.3/7-3: 3rd I command P=1 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_29 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=0 and invalid N(S), transmits a REJ response frame with F=0 and enters state 8.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,(NS+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJr(C_TEI,F0,NS))	(P)	(2)
4		+CS_81_01(NR)			state 8.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) REJ response frame sent by the IUT to reject the received I frame. (3) REJ response frame not sent by the IUT to reject the received I frame. (4) Postamble to a stable state. Table D.3/7-4: 4th I command P=0 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D80_I_30
Group : DataControl/State80/Inopportune/
Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-5

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR+PC_K) MOD 128,NS))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,(NS+1) MOD 128))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(R) sent by the tester.
 (2) RR response frame sent by the IUT.
 (3) The IUT is in state 5.1 and sends a SABME frame.
 (4) SABME frame not sent by the IUT.
 (5) Postamble to a stable state.
 (6) RR response frame not sent by the IUT.
 Table D.3/8-5: 5th I command P=1 N(S)=V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_31 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR+PC_K) MOD 128,NS))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/8-6: 6th I command P=0 N(S)=V(R) N(R) error					

Test Case Dynamic Behaviour

Test Case Name : L2C_D80_I_32
Group : DataControl/State80/Inopportune/
Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=1 and invalid N(R) and N(S), transmits a REJ response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-7

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR+PC_K)MOD 128, (NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(R) and invalid N(S) sent by the tester.
 (2) REJ response frame sent by the IUT.
 (3) The IUT is in state 5.1 and sends a SABME frame.
 (4) SABME frame not sent by the IUT.
 (5) Postamble to a stable state.
 (6) REJ response frame not sent by the IUT.
 Table D.3/8-7: 7th I command P=1 N(S)<>V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_I_33 Group : DataControl/State80/Inopportune/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=0 and invalid N(R) and N(S), transmits a REJ response frame with F=0, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR+PC_K) MOD 128, (NS+PC_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F0,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(R) and invalid N(S) sent by the tester. (2) REJ response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) REJ response frame not sent by the IUT. Table D.3/8-8: 8th I command P=0 N(S)<>V(R) N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_1 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of a DISC frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(IUF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-2: DISC incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_2 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of a FRMR response frame with F=0 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(IFF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-5: FRMR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_3 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of a RR command frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(ISF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-6: Supervisory frame RR, REJ, RNR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_4 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with an information field which exceeds N201 octets, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			→ state 8.0
2		L!FRs START TAC	Fs(IIF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame with an information field which exceeds N201 octets sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-7: N201 error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_5 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of an undefined frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TAC	Fs(ERR9_UI(0, C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) Undefined supervisory frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-8: Undefined command and response frames					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_S_6 Group : DataControl/State80/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.0, on receipt of an I frame with P=0 which contains a frame check sequence error, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, subclauses 2.9, 5.8.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		LIFRs START TNOAC2	Fs(IIF_FCS(C_TEI,P0,NR,N S))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_80_01((NR-1)MOD 128)			(2) state 8.0 ?
Detailed Comments : (1) I frame which contains a frame check sequence error sent by the tester. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the I frame (1).					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80OI_V_1 Group : DataControl/State80/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 8.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_OI_01			(1) -> state 8.0
2		L!FRs START TAC	$F_s(IN2(C_TEI, P1, (NR-1) \text{ MOD } 128, NS))$		(2)
3		$(NS := (NS+1) \text{ MOD } 128)$			(3)
4		L?FRr CANCEL TAC	$Fr(RRRr(C_TEI, F1, NS))$	(P)	(4)
5		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 8.0 and I frames sent by the IUT on request of layer 3; $V(S)=V(A)+2$ and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame $(N(R)=V(S)-1)$. (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT to acknowledge the last received I frame. (5) RR response frame not sent by the IUT to acknowledge the last received I frame. (6) Postamble to a stable state. Table D.3/7-5: 5th I command P=1 $N(S)=V(R)$ $V(A)<N(R)<V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80OI_V_2 Group : DataControl/State80/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 8.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=0 as acknowledgement and remains in the same state; or transmits an I frame with P=0 as acknowledgement and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_OI_01			(1) -> state 8.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		+SUBTREE_1			
5		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
		SUBTREE_1			
6		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0 ,NS))	(P)	(4)
7		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(7)
Detailed Comments : (1) Preamble to state 8.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received in the RR response frame is incremented. (4) RR response frame sent by the IUT to acknowledge the last received I frame. (5) I frame sent by the IUT to acknowledge the last received I frame. (6) RR response frame (4) or I frame (5) not sent by the IUT. (7) Postamble to a stable state. Table D.3/7-6: 6th I command P=0 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80OI_I_1 Group : DataControl/State80/Outstanding_I_frame/Inopportune/ Purpose : Ensure that the IUT in state 8.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=1 and enters state 8.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_OI_01			(1) -> state 8.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,(NR-1)MOD 128, (NS+PC_K)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))	(P)	(3)
4		+CS_81_01((NR-1)MOD 128)			state 8.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) REJ response frame sent by the IUT to reject the last received I frame. (4) REJ response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/7-7: 7th I command P=1 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D80OI_I_2

Group : DataControl/State80/Outstanding_I_frame/Inopportune/

Purpose : Ensure that the IUT in state 8.0, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=0 and enters state 8.1.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-8

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_OI_01			(1) -> state 8.0
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1)MOD 128, (NS+PC_K)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(3)
4		+CS_81_01((NR-1)MOD 128)			state 8.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)

Detailed Comments : (1) Preamble to state 8.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).

(2) I frame with invalid N(S) sent by the tester to acknowledge one I frame (N(R)=V(S)-1).

(3) REJ response frame sent by the IUT to reject the last received I frame.

(4) REJ response frame not sent by the IUT.

(5) Postamble to a stable state.

Table D.3/7-8: 8th I command P=0 N(S)<>V(R) V(A)<N(R)<V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_T_1 Group : DataControl/State80/Timer/ Purpose : Ensure that the IUT in state 8.0, on expiry of timer T200, transmits RR command frames with P=1 and remains in the same state; or transmits I frames with P=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_80_01			-> state 8.0
2		START T_MIN(PX_T200MIN)			
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(1)
6		+CS_80_02((NR-1)MOD 128)			state 8.0 ?
7		L?FRr CANCEL T_MAX	Fr(IN1(C_TEI,P1,NS,(NR-1))MOD 128))	(P)	(2)
8		+CS_80_02((NR-1)MOD 128)			state 8.0 ?
9		?TIMEOUT T_MAX		(F)	(3)
10		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the IUT on second expiry of timer T200. (2) I frame sent by the IUT after expiry of timer T200. (3) No frame sent by the IUT. (4) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.3/9-1: 1st T200 timeout RC<N200 V(A)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_T_2					
Group : DataControl/State80/Timer/					
Purpose : Ensure that the IUT in state 8.0, on expiry of timer T200, transmits RR command frames with P=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			-> state 7.0
2		START T_MIN(PX_T200MIN)			
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			
5		L?FRr (RC:=RC+1) CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(1)
6		+CS_80_01(NR)			state 8.0 ?
7		?TIMEOUT T_MAX		(F)	(2)
8		+PO_END			(3)
Detailed Comments : (1) RR command frame sent by the IUT after expiry of timer T200. (2) No frame sent by the IUT. (3) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.3/9-2: 2nd T200 timeout RC<N200 V(A)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D80_C_1					
Group : DataControl/State80/Counter/					
Purpose : Ensure that the IUT in state 8.0, having transmitted N200 times RR command frames with P=1 or I frames with P=1, transmits a SABME frame with P=1 and enters state 5.1.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+PR_80_01	Fr(RRCr(C_TEI,P1,NS))	(P)	-> state 8.0
2		START T_MAX(PX_T200MAX)			(1)
3		L?FRr (RC:=RC+1)			(5)
4		START T_MAX(PX_T200MAX)			
5		[RC<N200]			
6		GOTO L1	Fr(SABMEr(C_TEI,P1))	(P)	
7		[RC=N200]			(6)
8		L?FRr CANCEL T_MAX			(2)
9		+CS_5n_01			state 5.1
10		?TIMEOUT T_MAX			?
11		+PO_END			(3)
12		?TIMEOUT T_MAX			(4)
13		+PO_END			(7)
			(F)	(4)	
Detailed Comments : (1) Retransmission counter incremented to 1 in the preamble. T200 has expired once already. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. (5) RR command frame sent by the IUT after expiry of timer T200 and the retransmission counter is still not equal N200. (6) RR command frame sent by the IUT after expiry of timer T200 and the retransmission counter is equal N200. (7) RR command frame not sent by the IUT. Table D.3/9-3: 3rd T200 timeout RC=N200					

Test Case Dynamic Behaviour

Test Case Name : L2C_D81_V_1

Group : DataControl/State81/Valid/

Purpose : Ensure that the IUT in state 8.1, on receipt of an I frame with P=1 and correct send and receive sequence numbers, transmits a RR response frame with F=1 and enters state 8.0.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_81_01			→ state 8.1
2		L!FRs START TAC	FS(IN8(C_TEI,P1,(NR-1)MOD 128,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)

Detailed Comments : (1) I frame sent by the tester.
 (2) NS to be received in the RR response frame is incremented.
 (3) RR response frame sent by the IUT to acknowledge the last received I frame.
 (4) RR response frame not sent by the IUT.
 (5) Postamble to a stable state.
 Table D.3/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D81_V_2 Group : DataControl/State81/Valid/ Purpose : Ensure that the IUT in state 8.1, on receipt of an I frame with P=0 and correct send and receive sequence numbers, transmits a RR response frame with F=0 as acknowledgement and enters state 8.0; or transmits an I frame with P=0 as acknowledgement and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_81_01			→ state 8.1
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR-1) MOD 128,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		+SUBTREE_1			
5		+CS_80_01 ((NR-1) MOD 128)			state 8.0 ?
		SUBTREE_1			
6		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
7		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(4)
8		?TIMEOUT TAC		(F)	(5)
9		+PO_END			(6)
Detailed Comments : (1) I frame sent by the tester to acknowledge one I frame ($N(R)=V(S)-1$). (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT to acknowledge the last received I frame. (4) I frame sent by the IUT to acknowledge the last received I frame. (5) RR response frame (4) or I frame (5) not sent by the IUT. (6) Postamble to a stable state. Table D.3/7-2: 2nd I command P=0 $N(S)=V(R)$ $N(R)=V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D81_I_1 Group : DataControl/State81/Inopportune/ Purpose : Ensure that the IUT in state 8.1, on receipt of an I frame with P=1 and invalid N(S), transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_81_01			→ state 8.1
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR-1) MOD 128, (NS+1) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_81_01 ((NR-1) MOD 128)			state 8.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/7-7: 7th I command P=1 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D81_I_2 Group : DataControl/State81/Inopportune/ Purpose : Ensure that the IUT in state 8.1, on receipt of an I frame with P=0 and invalid N(S), transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_81_01			→ state 8.1
2		L!FRs START TNOAC2	Fs(IN8(C_TEI,P0,(NR-1) MOD 128, (NS+1) MOD 128))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_81_01 ((NR-1) MOD 128)			(2) state 8.1 ?
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with invalid N(S) sent by the tester. (2) It's part of CS_81_01 to check that the IUT doesn't transmit a frame in response to the I frame (1). Table D.3/7-8: 8th I command P=0 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_V_1 Group : DataControl/State84/Valid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a DISC frame with P=1, discards the I queue, transmits an UA frame with F=1 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-5: 1st DISC P=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_V_2 Group : DataControl/State84/Valid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a DISC frame with P=0, discards the I queue, transmits an UA frame with F=0 and enters state 9. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(DISCs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		+CS_90_01			state 9 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame sent by the tester. (2) UA frame sent by the IUT. (3) UA frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-6: 1st DISC P=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_V_3					
Group : DataControl/State84/Valid/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a RR response frame with F=1, transmits no frame and enters state 7.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fs(RRRs(C_TEI,F1,NR))	(P)	-> state 8.4
2		LIFRs START TNOAC1			(1)
3		?TIMEOUT TNOAC1			(2)
4		+CS_70_01			state 7.0 ?
Detailed Comments : (1) RR response frame sent by the tester. (2) No frame sent by the IUT. Table D.3/4-4: 4th RR response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_V_4 Group : DataControl/State84/Valid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR response frame with F=1, transmits the corresponding I frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_02			(1) -> state 8.4
2		L!FRs START TWL3	Fs(RRRs(C_TEI,F1,NR))		(2)
3		REPEAT SUBTREE_1 UNTIL [E_FLAG]			
4		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(3)
5		+CS_70_01			-> state 7.0 ?
6	L1	SUBTREE_1 L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))	(P)	(4)
7		(NR:=(NR+1)MOD 128, E_FLAG:=TRUE)			(5)
8		L?FRr	Fr(RRCr(C_TEI,P1,NS))		(6)
9		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(7)
10		?TIMEOUT TWL3		(I)	(8)
11		+PO_END			(9)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is received and acknowledged by the IUT. (2) RR response frame sent by the tester to clear the peer busy condition. (3) RR response frame sent by the tester to acknowledge the received I frame (4). (4) I frame sent by the IUT. (5) NR to be sent in the RR response frame (3) is incremented and. (6) RR command frame sent by the IUT on expiry of timer T203. (7) RR response frame sent by the tester as a response to the monitoring RR command frame. (8) No I frame is received within layer 3 response time. (9) Postamble to a stable state. Table D.3/4-4: 4th RR response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_V_5 Group : DataControl/State84/Valid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ response frame with F=1, transmits no frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR-1)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1)MOD 128))	(P)	(3)
4		L!FRs START TNOAC2	Fs(RRR(C_TEI,F0,NR))		(5)
5		?TIMEOUT TNOAC2		(P)	(7)
6		+CS_70_01			state 7.0 ?
7		?TIMEOUT TAC		(F)	(6)
8		+PO_END			(7)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ response frame sent by the tester to reject the I frame received in the preamble. (3) No frame sent by the IUT but the rejected I frame. (4) NR to be sent in the RR response frame (5) is incremented. (5) RR response frame sent by the tester to acknowledge the received I frame. (6) Rejected I frame not sent by the IUT. (7) Postamble to a stable state. Table D.3/5-4: 4th REJ response F=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_1 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a SABME frame with P=1, transmits an UA frame with F=1 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	(P)	(2)
4		(NR:=0, NS:=0)			(3)
5		+CS_70_01			state 7.0 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) Reset of NR and NS. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/2-1: 1st SABME P=1 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_2 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a SABME frame with P=0, transmits an UA frame with F=0 and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P0))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F0))	(P)	(2)
4		(NR:=0, NS:=0)			(3)
5		+CS_70_01			state 7.0 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) SABME frame sent by the tester. (2) UA frame sent by the IUT. (3) Reset of NR and NS. (4) UA frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/2-3: 3rd SABME P=0 V(S)=V(A)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_3 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a DM frame with F=1, transmits a SABME frame with P=1 and enters state 5.1 Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-9					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(DMs(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DM frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-9: 1st DM F=1					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_4 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an unsolicited DM frame with F=0, transmits a SABME frame with P=1 and enters state 5.1 Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/2-10					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(DMs(C_TEI,F0))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DM frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/2-10: 2nd DM F=0					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_5 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a FRMR response frame with F=1 rejecting an I frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/3-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(FRMR_REJ_I(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/3-5: 5th FRMR response rejecting I command					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_6 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR command frame with P=1, transmits a RR response frame with F=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_80_01(NR)			state 8.0 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-1: 1st RR command P=1 $V(A) \leq N(R) \leq V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_7					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a RR command frame with P=0, transmits no frame and enters state 8.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fs(RRCs(C_TEI,P0,NR))	(P)	-> state 8.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_80_01(NR)			(2) state 8.0 ?
Detailed Comments : (1) RR command frame sent by the tester. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the RR command frame (1). Table D.3/4-2: 2nd RR command P=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_8					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a RR response frame with F=0, transmits no frame and enters state 8.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fs(RRRs(C_TEI,F0,NR))	(P)	-> state 8.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_80_01(NR)			(2) state 8.0 ?
Detailed Comments : (1) RR response frame sent by the tester. (2) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the RR response frame (1). Table D.3/4-3: 3rd RR response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_9 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(RRCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.3/4-5: 5th RR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_10 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(RRCs(C_TEI,P0,(NR+P_C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-6: 6th RR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_11 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(RRRs(C_TEI,F0,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-7: 7th RR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_12 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR response frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/4-8: 8th RR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_13 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ command frame with P=1, transmits a RR response frame with F=1 and enters state 8.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR-1) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
4		+CS_80_01((NR-1)MOD 128)			state 8.0 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ command frame sent by the tester to reject the I frame received in the preamble. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/5-1: 1st REJ command P=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_14					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ command frame with P=0, transmits no frame and enters state 8.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03	Fs(RJCs(C_TEI,P0,(NR-1) MOD 128))	(P)	(1) -> state 8.4
2		L!FRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 8.0 ?
4		+CS_80_01((NR-1)MOD 128)			
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ command frame sent by the tester to reject the I frame received in the preamble. (3) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the REJ command frame (2). Table D.3/5-2: 2nd REJ command P=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_15					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ response frame with F=0, transmits no frame and enters state 8.0.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03	Fs(RJR(C_TEI,F0,(NR-1)MOD 128))	(P)	(1) -> state 8.4
2		LIFRs START TNOAC2			(2)
3		?TIMEOUT TNOAC2			(3) state 8.0 ?
4		+CS_80_01((NR-1)MOD 128)			
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ response frame sent by the tester to reject the I frame received in the preamble. (3) It's part of CS_80_01 to check that the IUT doesn't transmit a frame in response to the REJ response frame (2). Table D.3/5-3: 3rd REJ response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_16 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJCs(C_TEI,P1,(NR+PC_K) MOD 128))		(2)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
8		?TIMEOUT TAC		(F)	(7)
9		+PO_END			(6)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ command frame with invalid N(R) sent by the tester. (3) RR response frame sent by the IUT (4) The IUT is in state 5.1 and sends a SABME frame. (5) SABME frame not sent by the IUT. (6) Postamble to a stable state. (7) RR response frame not sent by the IUT. Table D.3/5-5: 5th REJ command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_17 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJCs(C_TEI,P0,(NR+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ command frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/5-6: 6th REJ command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_18 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJRs(C_TEI,F0,(NR+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ response frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/5-7: 7th REJ response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_19 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a REJ response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/5-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			(1) -> state 8.4
2		L!FRs START TAC	Fs(RJR(C_TEI,F1,(NR+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.4 and one I frame is sent by the IUT but not acknowledged. (2) REJ response frame with invalid N(R) sent by the tester. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/5-8: 8th REJ response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_20 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR command frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,NR))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_84_01(NR)			state 8.4 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR command frame sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-1: 1st RNR command P=1 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_21					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR command frame with P=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fs(RNCs(C_TEI,P0,NR))	(P)	-> state 8.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_84_01(NR)			(2) state 8.4 ?
Detailed Comments : (1) RNR command frame sent by the tester. (2) It's part of CS_84_01 to check that the IUT doesn't transmit a frame in response to the RNR command frame (1). Table D.3/6-2: 2nd RNR command P=0 $V(A) \leq N(R) \leq V(S)$					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_22					
Group : DataControl/State84/Inopportune/					
Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR response frame with F=0, transmits no frame and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fs(RNRs(C_TEI,F0,NR))	(P)	-> state 8.4
2		L!FRs START TNOAC2			(1)
3		?TIMEOUT TNOAC2			
4		+CS_84_01(NR)			(2) state 8.4 ?
Detailed Comments : (1) RNR response frame sent by the tester. (2) It's part of CS_84_01 to check that the IUT doesn't transmit a frame in response to the RNR response frame (1). Table D.3/6-3: 3rd RNR response F=0 V(A)<=N(R)<=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_23 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR command frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(RNCs(C_TEI,P1,(NR+P C_K) MOD 128))		(1)
3		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) RR response frame sent by the IUT (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) RR response frame not sent by the IUT. Table D.3/6-5: 5th RNR command P=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_24 Group : DataControl/State84/Inoportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR command frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(RNCs(C_TEI,P0,(NR+P_C_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR command frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-6: 6th RNR command P=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_25 Group : DataControl/State84/Inoportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR response frame with F=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(RNRs(C_TEI,F0,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-7: 7th RNR response F=0 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_26 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RNR response frame with F=1 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/6-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(RNRs(C_TEI,F1,(NR+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RNR response frame with invalid N(R) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/6-8: 8th RNR response F=1 N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_27 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_84_01(NR)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) N(S) to be acknowledged is updated. (3) RR response frame sent by the IUT to acknowledge the received I frame. (4) RR response frame not sent by the IUT. (9) Postamble to a stable state. Table D.3/7-1: 1st I command P=1 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_28 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
5		+CS_84_01(NR)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) N(S) to be acknowledged is updated. (3) RR response frame sent by the IUT to acknowledge the received I frame. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/7-2: 2nd I command P=0 N(S)=V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_29 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=1 and invalid N(S), transmits a REJ response frame with F=1 and enters state 8.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,(NS+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_85_01(NR)			state 8.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) REJ response frame sent by the IUT to reject the received I frame. (3) REJ response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/7-3: 3rd I command P=1 N(S)<>V(R) N(R)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_30 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=0 and invalid N(S), transmits a REJ response frame with F=0 and enters state 8.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,NR,(NS+PC_K) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))	(P)	(2)
4		+CS_85_01(NR)			state 8.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) REJ response frame sent by the IUT to reject the received I frame. (3) REJ response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/7-4: 4th I command P=0 N(S)<->V(R) N(R)=V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D84_I_31
Group : DataControl/State84/Inopportune/
Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=1 and invalid N(R), transmits a RR response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-5

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR+PC_K) MOD 128,NS))		(1)
3		(NS:=(NS+1) MOD 128)			(2)
4		L?FRr START TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
5		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(4)
6		+CS_5n_01			state 5.1 ?
7		?TIMEOUT TAC		(F)	(5)
8		+PO_END			(6)
9		?TIMEOUT TAC		(F)	(7)
10		+PO_END			(6)

Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester.
 (2) NS to be received is incremented.
 (3) RR response frame sent by the IUT.
 (4) The IUT is in state 5.1 and sends a SABME frame.
 (5) SABME frame not sent by the IUT.
 (6) Postamble to a stable state.
 (7) RR response frame not sent by the IUT.
 Table D.3/8-5: 5th I command P=1 N(S)=V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_32 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=0 and invalid N(R), transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P0,(NR+PC_K) MOD 128,NS))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/8-6: 6th I command P=0 N(S)=V(R) N(R) error					

Test Case Dynamic Behaviour

Test Case Name : L2C_D84_I_33
Group : DataControl/State84/Inopportune/
Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=1 and invalid N(R) and N(S), transmits a REJ response frame with F=1, subsequently a SABME frame with P=1 and enters state 5.1.
Configuration :
Default : DF_2
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-7

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR+PC_K)MOD 128,(NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEI,F1,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)

Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester.
 (2) REJ response frame sent by the IUT to reject the received I frame.
 (3) The IUT is in state 5.1 and sends a SABME frame.
 (4) SABME frame not sent by the IUT.
 (5) Postamble to a stable state.
 (6) REJ response frame not sent by the IUT.
 Table D.3/8-7: 7th I command P=1 N(S)<>V(R) N(R) error

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_I_34 Group : DataControl/State84/Inopportune/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=0 and invalid N(R) and N(S), transmits a REJ response frame with F=0, subsequently a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(IN8(C_TEl,P0,(NR+PC_K)MOD 128, (NS+PC_K)MOD 128))		(1)
3		L?FRr START TAC	Fr(RJRr(C_TEl,F0,NS))		(2)
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEl,P1))	(P)	(3)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
8		?TIMEOUT TAC		(F)	(6)
9		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) REJ response frame sent by the IUT to reject the received I frame. (3) The IUT is in state 5.1 and sends a SABME frame. (4) SABME frame not sent by the IUT. (5) Postamble to a stable state. (6) REJ response frame not sent by the IUT. Table D.3/8-8: 8th I command P=0 N(S)<>V(R) N(R) error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_1 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a DISC frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IUF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) DISC frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-2: DISC incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_2 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a FRMR response frame with F=0 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			→ state 8.4
2		L!FRs START TAC	Fs(IFF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) FRMR frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-5: FRMR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_3 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of a RR command frame with P=1 which contains an information field, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(ISF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) RR command frame which contains an information field sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-6: Supervisory frame RR, REJ, RNR incorrect length					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_4 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with an information field which exceeds N201 octets, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		L!FRs START TAC	Fs(IIF_TOO_LONG(C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame with an information field which exceeds N201 octets sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-7: N201 error					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_5 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of an undefined frame, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/10-8					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TAC	Fs(ERR9_UI(0, C_TEI))		(1)
3		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))	(P)	(2)
4		+CS_5n_01			state 5.1 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) Undefined frame sent by the tester. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/10-8: Undefined command and response frames					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_S_6 Group : DataControl/State84/SyntacticallyInvalid/ Purpose : Ensure that the IUT in state 8.4, on receipt of an I frame with P=0 which contains a frame check sequence error, transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : ETS 300 402-2, subclauses 2.9, 5.8.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		LIFRs START TNOAC2	Fs(IIF_FCS(C_TEI,P0,NR,N S))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_84_01(NR)			(2) state 8.4 ?
Detailed Comments : (1) I frame with FCS error sent by the tester. (2) It's part of CS_84_01 to check that the IUT doesn't transmit a frame in response to the I frame (1).					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84OI_V_1 Group : DataControl/State84/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 8.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-5					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_OI_01			(1) -> state 8.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(4)
5		+CS_84_01((NR-1) MOD 128)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 8.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received is incremented. (4) RR response frame sent by the IUT to acknowledge the received I frame. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state. Table D.3/7-5: 5th I command P=1 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84OI_V_2 Group : DataControl/State84/Outstanding_I_frame/Valid/ Purpose : Ensure that the IUT in state 8.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 which does not acknowledge the last transmitted I frame, transmits a RR response frame with F=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-6					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_OI_01			(1) -> state 8.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1) MOD 128,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0 ,NS))	(P)	(4)
5		+CS_84_01((NR-1) MOD 128)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Preamble to state 8.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) NS to be received is incremented. (4) RR response frame sent by the IUT to acknowledge the received I frame. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state. Table D.3/7-6: 6th I command P=0 N(S)=V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84OI_I_1 Group : DataControl/State84/Outstanding_I_frame/Inopportune/ Purpose : Ensure that the IUT in state 8.4, having transmitted I frames which are still unacknowledged, on receipt of a RR response frame with F=1, transmits the corresponding I frame and enters state 7.0. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/4-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_OI_01			-> state 8.4
2		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR-1) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,(NR-1) MOD 128))	(P)	(2)
4		L!FRs START TAC	Fs(RRRs(C_TEI,F0,NR))		state 7.0 ?
5		+CS_70_01			
6		?TIMEOUT TAC		(F)	(3)
7		+PO_END			(4)
Detailed Comments : Table D.3/4-4: 4th RR response, F=1, V(A)<=N(R) <=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84OI_I_2 Group : DataControl/State84/Outstanding_I_frame/Inopportune/ Purpose : Ensure that the IUT in state 8.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=1 and invalid N(S) which does not acknowledge the last transmitted I frame, transmits a REJ response frame with F=1 and enters state 8.5. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_OI_01			(1) -> state 8.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,(NR-1) MOD 128, (NS+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))	(P)	(3)
4		+CS_85_01((NR-1) MOD 128)			state 8.5 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)
Detailed Comments : (1) Preamble to state 8.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1). (3) REJ response frame sent by the IUT to reject the received I frame. (4) REJ response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/7-7: 7th I command P=1 N(S)<>V(R) V(A)<N(R)<V(S)					

Test Case Dynamic Behaviour

Test Case Name : L2C_D84OI_I_3

Group : DataControl/State84/Outstanding_I_frame/Inopportune/

Purpose : Ensure that the IUT in state 8.4, having transmitted I frames which are still unacknowledged, on receipt of an I frame with P=0 and invalid N(S) which does not acknowledge the last transmitted I frame,
transmits a REJ response frame with F=0 and enters state 8.5.

Configuration :

Default : DF_2

Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/7-8

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_OI_01			(1) -> state 8.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1) MOD 128, (NS+PC_K) MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0 ,NS))	(P)	(3)
4		+CS_85_01((NR-1) MOD 128)			state 8.5 ?
5		?TIMEOUT TAC		(F)	(4)
6		+PO_END			(5)

Detailed Comments : (1) Preamble to state 8.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames).

(2) I frame sent by the tester to acknowledge one I frame (N(R)=V(S)-1).

(3) REJ response frame sent by the IUT to reject the received I frame.

(4) REJ response frame not sent by the IUT.

(5) Postamble to a stable state.

Table D.3/7-8: 8th I command P=0 N(S)<>V(R) V(A)<N(R)<V(S)

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_T_1					
Group : DataControl/State84/Timer/					
Purpose : Ensure that the IUT in state 8.4, on expiry of timer T200, transmits RR command frames with P=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_03			→ state 8.4
2		START T_MIN(PX_T200MIN)			
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			(1)
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))	(P)	(2)
6		(NR:=(NR-1)MOD 128)			(3)
7		+CS_84_02			state 8.4 ?
8		?TIMEOUT T_MAX		(F)	(4)
9		+PO_END			(5)
Detailed Comments : (1) No frame sent by the IUT within the minimum time of timer T200. (2) RR command frame sent by the IUT after expiry of timer T200. (3) NR to be sent in the following step is decremented. (4) RR command frame not sent by the IUT. (5) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.3/9-1: 1st T200 timeout RC<N200 V(A)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_T_2					
Group : DataControl/State84/Timer/					
Purpose : Ensure that the IUT in state 8.4, on expiry of timer T200, transmits RR command frames with P=1 and remains in the same state.					
Configuration :					
Default : DF_2					
Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01	Fr(RRCr(C_TEI,P1,NS))	(P)	-> state 8.4
2		START T_MIN(PX_T200MIN)			
3		START T_MAX(PX_T200MAX)			
4		?TIMEOUT T_MIN			(1)
5		L?FRr CANCEL T_MAX			(2)
6		+CS_84_02			state 8.4 ?
7		?TIMEOUT T_MAX			(3)
8		+PO_END			(4)
Detailed Comments : (1) No frame sent by the IUT within the minimum time of timer T200. (2) RR command frame sent by the IUT after expiry of timer T200. (3) RR command frame not sent by the IUT. (4) Postamble to a stable state. To test the duration of timer T200 is also part of this test. Table D.3/9-2: 2nd T200 timeout RC<N200 V(A)=V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D84_C_1 Group : DataControl/State84/Counters/ Purpose : Ensure that the IUT in state 8.4, having retransmitted N200 times RR command frames with P=1, transmits a SABME frame with P=1 and enters state 5.1. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/9-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_84_01			-> state 8.4
2		(RC:=2) START T_MAX(PX_T200MAX)			(1)
3		REPEAT SUBTREE_1 UNTIL [E_FLAG]			
4		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))	(P)	(2)
5		+CS_5n_01			state 5.1 ?
6		?TIMEOUT T_MAX		(F)	(3)
7		+PO_END			(4)
		SUBTREE_1			
8		L?FRr [RC<N200]	Fr(RRCr(C_TEI,P1,NS))	(P)	(5)
9		START T_MAX(PX_T200MAX)			
10		(RC:=RC+1)			
11		L?FRr [RC=N200]	Fr(RRCr(C_TEI,P1,NS))	(P)	(6)
12		START T_MAX(PX_T200MAX)			
13		(E_FLAG:=TRUE)			
14		?TIMEOUT T_MAX		(F)	(7)
15		+PO_END			(4)
Detailed Comments : (1) Retransmission counter set to two. First retransmission occurred in the preamble. (2) The IUT is in state 5.1 and sends a SABME frame. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state. (5) RR command frame sent by the IUT after expiry of timer T200 and the retransmission counter is still not equal N200. (6) RR command frame sent by the IUT after expiry of timer T200 and the retransmission counter is equal N200. (7) RR command frame not sent by the IUT. Table D.3/9-3: 3rd T200 timeout RC=N200					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D85_V_1 Group : DataControl/State85/Valid/ Purpose : Ensure that the IUT in state 8.5, on receipt of an I frame with P=1, transmits a RR response frame with F=1 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_85_01			→ state 8.5
2		LIFRs START TAC	Fs(IN8(C_TEI,P1,(NR-1)MOD 128,NS))		(1)
3		(NS:=(NS+1)MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/8-1: 1st I command P=1 N(S)=V(R) V(A)=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D85_V_2 Group : DataControl/State85/Valid/ Purpose : Ensure that the IUT in state 8.5, on receipt of an I frame with P=0, transmits a RR response frame with F=0 and enters state 8.4. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_85_01			→ state 8.5
2		LIFRs START TAC	Fs(IN8(C_TEI,P0,(NR-1)MOD 128,NS))		(1)
3		(NS:=(NS+1)MOD 128)			(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))	(P)	(3)
5		+CS_84_01((NR-1)MOD 128)			state 8.4 ?
6		?TIMEOUT TAC		(F)	(4)
7		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) NS to be received in the RR response frame is incremented. (3) RR response frame sent by the IUT. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state. Table D.3/8-2: 2nd I command P=0 N(S)=V(R) V(A)=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D85_I_1 Group : DataControl/State85/Inopportune/ Purpose : Ensure that the IUT in state 8.5, on receipt of an I frame with P=1 and invalid N(S), transmits a RR response frame with F=1 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-3					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_85_01			-> state 8.5
2		L!FRs START TAC	Fs(IN8(C_TEI,P1,(NR-1) MOD 128, (NS+1) MOD 128))		(1)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(2)
4		+CS_85_01((NR-1) MOD 128)			state 8.5 ?
5		?TIMEOUT TAC		(F)	(3)
6		+PO_END			(4)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) RR response frame sent by the IUT. (3) RR response frame not sent by the IUT. (4) Postamble to a stable state. Table D.3/8-3: 3rd I command P=1 N(S)<->V(R) V(A)=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_D85_I_2 Group : DataControl/State85/Inopportune/ Purpose : Ensure that the IUT in state 8.5, on receipt of an I frame with P=0 and invalid N(S), transmits no frame and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2 giving changes to ETS 300 402-2, Annex D: table D.3/8-4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_85_01			-> state 8.5
2		L!FRs START TNOAC2	Fs(IN8(C_TEI,P0,(NR-1) MOD 128, (NS+1) MOD 128))		(1)
3		?TIMEOUT TNOAC2		(P)	
4		+CS_85_01((NR-1) MOD 128)			(2) state 8.5 ?
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) sent by the tester. (2) It's part of CS_85_01 to check that the IUT doesn't transmit a frame in response to the I frame (1). Table D.3/8-4: 4th I command P=0 N(S)<->V(R) V(A)=N(R)<V(S)					

Test Case Dynamic Behaviour					
Test Case Name : L2C_M70_V1 Group : Multi/ Purpose : Given a configuration with more than 1 PSTN port, ensure that each port in state 7.0, having requested the sending of an I frame, transmits an I frame with P=0 and remains in the same state. Configuration : Default : DF_2 Comments : EN 301 141-1, clause 6.2					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(PORTS_LEFT := PC_NBR_PSTN_PORTS, TEI_FLAG := FALSE)			
2		REPEAT SUBTREE_1 UNTIL [TEI_FLAG]			(1)
3		(PORTS_LEFT := PC_NBR_PSTN_PORTS, TEI_FLAG := FALSE, NR_ORIG := NR, NS_ORIG := NS)			
4		REPEAT SUBTREE_2 UNTIL [TEI_FLAG]			(2)
		SUBTREE_1			
5		(C_TEI := 116 + PORTS_LEFT)			(3)
6		+PR_70_01			(4)
7		(PORTS_LEFT := PORTS_LEFT - 1)			
8		[PORTS_LEFT > 0]			(5)
9		[PORTS_LEFT = 0] (TEI_FLAG := TRUE)			(6)
		SUBTREE_2			
10		(C_TEI := 116 + PORTS_LEFT)			
11		+SUBTREE_INFO			(3)
12		(NR := NR_ORIG, NS := NS_ORIG)			(7)
13		(PORTS_LEFT := PORTS_LEFT - 1)			
14		[PORTS_LEFT > 0]			
15		[PORTS_LEFT = 0] (TEI_FLAG := TRUE)		R	(8)
		SUBTREE_INFO			
16		LIFRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(11)
17		(NS:=(NS+1)MOD 128)			
18		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0 ,NS))		(12)
19		L?FRr CANCEL TWL3	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(13)
20		(NR:=(NR+1)MOD 128)			
21		LIFRs	Fs(RRRs(C_TEI,F0,NR))		(14)
22		+CS_70_01m			state 7.0 ?
23		?TIMEOUT TWL3		(I)	(15)
24		+PO_END			(16)
25		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(17)
26		(NR:=(NR+1)MOD 128)			
27		LIFRs	Fs(RRRs(C_TEI,F0,NR))		(14)
28		+CS_70_01m			state 7.0 ?
29		?TIMEOUT TAC		(F)	
30		+PO_END			(16)

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour

Detailed Comments : (1) Try to bring each port's Level 2 state to established state 7.0.
(2) See if each port can exchange I-frames while in established state 7.0.
(3) Calculate TEI of PSTN port
(4) Bring this PSTN port whose TEI is calculated in (3) to state 7.0.
(5) More ports need to be brought to State 7.0
(6) We have now tried to bring all PSTN ports to establish state 7.0.
(7) Use NR and NS initial values for use at each PSTN port
(8) All PSTN ports have tried to exchange I-frames. Verdict is in R.

(11) I frame (STATUS ENQUIRY message) sent by the tester to layer 3 of the IUT.
(12) RR response frame sent by the IUT to acknowledge the received I frame.
(13) I frame (STATUS message) sent by the IUT.
(14) RR response frame sent by the tester to close the transfer cycle.
(15) I frame (STATUS ENQUIRY message) not sent by the IUT.
(16) Postamble to a stable state.
(17) I frame (STATUS message) sent by the IUT to acknowledge the received I frame.
Table D.2/1-4: I frame in queue $V(S) < V(A) + k$.

Test Case Dynamic Behaviour					
Test Case Name : L2C_270_V1 Group : Multi/ Purpose : Configuration : Default : DF_ISDN_1 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_ISDN_70_01			(1)
2		(ISDN_TEI := C_TEI, C_TEI := 126)			(2)
3		+PR_70_01			(3)
4		+LT_ISDN_RR_EXCHANGE			(4)
5		+LT_PSTN_RR_EXCHANGE			(9)
6		+LT_ISDN_I_EXCHANGE			(10)
7		+LT_PSTN_I_EXCHANGE			(18)
8		+LT_ISDN_CS_70			(19)
9		+LT_PSTN_CS_70			
		LT_ISDN_RR_EXCHANGE			
10		(C_TEI := ISDN_TEI)			(5)
11		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(6)
12		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(7)
13		?TIMEOUT TAC		(F)	(8)
		LT_PSTN_RR_EXCHANGE			
14		(C_TEI := 126)			
15		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(6)
16		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(7)
17		(NR_ORIG := NR, NS_ORIG := NS)			
18		?TIMEOUT TAC		(F)	(8)
		LT_ISDN_I_EXCHANGE			
19		(C_TEI := ISDN_TEI)			
20		L!FRs START TAC	Fs(ISDN_IN2(C_TEI,P0,NR,NS))		(11)
21		(NS:=(NS+1)MOD 128)			
22		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))		(12)
23		L?FRr CANCEL TWL3	Fr(ISDN_IN1(C_TEI,P0,NS,NR))	(P)	(13)
24		(NR:=(NR+1)MOD 128)			
25		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(14)
26		(NR_ISDN := NR, NS_ISDN := NS)			
27		?TIMEOUT TWL3		(I)	(15)
28		+PO_END			(16)
29		L?FRr CANCEL TAC	Fr(ISDN_IN1(C_TEI,P0,NS,NR))	(P)	(17)
30		(NR:=(NR+1)MOD 128)			
31		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(14)
32		?TIMEOUT TAC		(F)	
33		+PO_END			(16)
		LT_PSTN_I_EXCHANGE			
34		(C_TEI := 126, NR := NR_ORIG, NS := NS_ORIG)			
35		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(1)

Continued on next page

Continued from previous page

Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
36		(NS:=(NS+1)MOD 128)			
37		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))		(2)
38		L?FRr CANCEL TWL3	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(3)
39		(NR:=(NR+1)MOD 128)			
40		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(4)
41		(NR_ORIG := NR, NS_ORIG := NS)			
42		?TIMEOUT TWL3		(I)	(5)
43		+PO_END			(6)
44		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,NR))	(P)	(7)
45		(NR:=(NR+1)MOD 128)			
46		L!FRs	Fs(RRRs(C_TEI,F0,NR))		(4)
47		?TIMEOUT TAC		(F)	
48		+PO_END			(6)
		LT_ISDN_CS_70			
49		(C_TEI := ISDN_TEI, NR := NR_ISDN, NS := NS_ISDN)			
50		START T_MAX (PX_T200MAX)			
51		?TIMEOUT T_MAX			(1)
52		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(2)
53		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
54		?TIMEOUT TAC		(I)	(5)
		LT_PSTN_CS_70			
55		(C_TEI := 126, NR := NR_ORIG, NS := NS_ORIG)			
56		+CS_70_01			
Detailed Comments : (1) Bring ISDN–BA port to State 7.0. (2) Save ISDN–BA port's TEI. Change working TEI PSTN port's TEI. (3) Bring PSTN–GW Line 1 port to State 7.0 (4) Exchange RR's with ISDN–BA port. (5) Change working TEI to the ISDN–BA's. (6) RR command frame sent by the tester. (7) RR response frame sent by the IUT. (8) RR response frame not sent by the IUT. (9) Exchange RRs with PSTN Line 1 port. (10) Exchange I frames with ISDN–BA port. (11) Send a L3 RELEASE to ISDN–BA port. (12) ISDN–BA port acknowledges with an RR (13) ISDN–BA port returns a REL COMP. (14) Tester acknowledges the REL COMP with an RR. (15) ISDN–BA does not return the REL COMP (16) Exit gracefully. (17) ISDN–BA port acknowledges with an I frame containing a REL COMPLETE. (18) Exchange I frames with PSTN port. (19) Check ISDN–BA state and remain in State 7.0.					

Test Step Dynamic Behaviour					
Test Step Name : PR_ISDN_10_01					
Group : Preambles/					
Objective : To bring the ISDN–BA port to state 1.					
Default : DF_ISDN_1					
Comments : ETS 300 402–2: – ; ETS 300 313: PR31001					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	LIFRs (RC:=0, C_TEI:=127) START TIDREQ	Fs(UM_T6s(0,127))	(I)	(1)
2		L?UI_Mr (RC:=RC+1) CANCEL TIDREQ	UIr(UM_T1r)		(2)
3		START T_MAX (PX_T202MAX)	UIr(UM_T1r)		(5)
4		L?UI_Mr (RC:=RC+1) START T_MAX (PX_T202MAX)			
5		[RC<>N202]			
6		GOTO L1			
7		[RC=N202] CANCEL T_MAX			
8		?TIMEOUT T_MAX			
9		+PO_END			
10		?TIMEOUT TIDREQ			
Detailed Comments : (1) Identity remove message sent by the tester. (2) IUTs of the automatic assignment category might send an Identity request message. (3) This path allows the IUT to be stable state 1 without requesting a TEI value after TEI removal procedure. (5) Three Identity request messages received and the IUT is now in state 1.					

Test Step Dynamic Behaviour					
Test Step Name : PR_ISDN_40_01 Group : Preambles/ Objective : To bring the IUT in state 4. Default : DF_ISDN_1 Comments : ETS 300 402-2: – ; ETS 300 313: PR34001					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[PC_AUTOMAT_TEI]			
2		+PR_ISDN_10_01			-> state 1
3		+INIT_TEI_REQUEST			(1)
4		L?UI_Mr (RID := HEX_TO_INT (UI_Mr.MU.INFO.RID)) CANCEL TWAIT	UIr(UM_T1r)		Id request
5		(C_TEI:=RANDOM(64,116))			
6		LIFRs START TAC	Fs(UM_T2s(RID,C_TEI))		Id response
7		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(SABMEr(C_TEI,P1))		
8		LIFRs START TWL3	Fs(UAs(C_TEI,F1))		
9		L?FRr CANCEL TWL3	Fr(IN3(C_TEI,P0,NS,NR))		(4)
10		(NR:=(NR+1)MOD 128)			
11		LIFRs	Fs(RRRs(C_TEI,F0,NR))		
12		LIFRs START TAC	Fs(DISCs(C_TEI,P1))		
13		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))		
14		?TIMEOUT TAC		(I)	
15		+PO_END			
16		?TIMEOUT TWL3		(I)	
17		+PO_END			
18		?TIMEOUT TAC		(I)	
19		+PO_END			
20		[NOT PC_AUTOMAT_TEI]			
21		(C_TEI:=PX_ISDN_TEI_VALUE)			
22		LIFRs (NS:=0, NR:=0) START TAC	Fs(DISCs(C_TEI,P1))		
23		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		
24		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))		
25		L?FRr CANCEL TAC	Fr(DISCr(C_TEI,P1))		(2)
26		LIFRs START TAC	Fs(UAs(C_TEI,F1))		
27		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		
28		?TIMEOUT TAC		(I)	
29		+PO_END			
30		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(3)
31		LIFRs	Fs(UAs(C_TEI,F1))		
32		LIFRs START TAC	Fs(DISCs(C_TEI,P1))		
33		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		
34		?TIMEOUT TAC		(I)	
35		+PO_END			
36		?TIMEOUT TAC		(I)	
37		+PO_END			
		INIT_TEI_REQUEST			

Continued on next page

Continued from previous page

Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
38		[PX_ISDN_EST_ON_UI_SETUP]	Fs(UI_ISDN_L3s(127, L3_EMPTY_SETUP)) <		

Test Step Dynamic Behaviour					
Test Step Name : PR_90_01					
Group : Preambles/					
Objective : To bring the IUT into state 9.					
Default : DF_1					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs (NS:=0, NR:=0) START TAC	Fs(DISCs(C_TEI,P1))		(3)
2		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		
3		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))		
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		
5		L!FRs	Fs(UAs(C_TEI,F1))		
6		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		(I)
7		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		
8		?TIMEOUT TAC			
9		+PO_END			
10		?TIMEOUT TAC			
11		+PO_END			
Detailed Comments : (3) Collision during sending of DISC frame. IUT was in state 5.1 and its T200 expires or was transitioning to state 5.1 independently sending a SABME					

Test Step Dynamic Behaviour					
Test Step Name : PR_51_01 Group : Preambles/ Objective : To bring the IUT in state 5.1, one I frame is in queue and one I frame is not acknowledged, meaning $V(S) < V(A)$. SABME has just been sent by the IUT and the I queue had been discarded. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs START T_MAX (PX_T200MAX)	Fs(RNRs(C_TEI,F0,(NR-1)MOD 128))		(3)
3		L!FRs START TAC	Fs(IN4(C_TEI,P0,(NR-1)MOD 128, NS))		(4)
4		(NS:=(NS+1)MOD 128)			
5		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))		(9)
6		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(5)
7		L!FRs START TAC	Fs(RNRs(C_TEI,F1,(NR-2)MOD 128))		(6)
8		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(7)
9		(NS:=0, NR:=0)			
10		?TIMEOUT TAC		(I)	
11		+PO_END			(8)
12		?TIMEOUT T_MAX		(I)	
13		+PO_END			(8)
14		?TIMEOUT TAC		(I)	
15		+PO_END			(8)
Detailed Comments : (1) Preamble to state 7.0 and provide I frames sent by the IUT on request of layer 3; $V(S) < V(A)$ and no I frame in queue. (2) UVA is the Acknowledge state variable $V(A)$ of the IUT. (3) Being IUT into state 7.4. Do not acknowledge the last I-frame sent by IUT. Restart IUT's T200. (4) Put I-frame into queue to provoke a layer 3 response. Now, there is an unacknowledged I-frame plus another in the I-queue. (5) IUT's T200 has expired. It polls with RR (P=1) and enters state 8.4. (6) RNR response frame with an N(R) error to bring IUT into state 5.1.. (7) IUT is now in state 5.1 with one I frame in queue and one I frame unacknowledged. (8) Postamble to a stable state. (9) IUT acknowledges the last received I-frame					

Test Step Dynamic Behaviour					
Test Step Name : PR_51_02 Group : Preambles/ Objective : To bring the IUT in state 5.1, one I frame is in queue and all I frames are acknowledged, meaning $V(S)=V(A)$. SABME has just been sent by the IUT and the I queue is preserved. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,NR))		(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(3)
4		(NS:=(NS+1)MOD 128)			
5		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0,NS))		(4)
6		REPEAT SUBTREE_1 UNTIL [E_FLAG]			(5)
7		START T_MAX (PX_T200MAX)			
8		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(6)
9		L!FRs	Fs(RNRs(C_TEI,F1,NR))		(7)
10		L!FRs START TAC	Fs(RRRs(C_TEI,F1,(NR-1)MOD 128))		(8)
11		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(9)
12		(NS:=0, NR:=0)			
13		?TIMEOUT TAC		(I)	(10)
14		+PO_END			(11)
15		?TIMEOUT T_MAX		(I)	
16		+PO_END			(11)
17		?TIMEOUT TAC		(I)	(10)
18		+PO_END			(11)
		SUBTREE_1			
19		L?FRr	Fr(RRCr(C_TEI,P1,NS))		(12)
20		L!FRs	Fs(RNRs(C_TEI,F1,NR))		(13)
21		?TIMEOUT TWL3 (E_FLAG:=TRUE)			
Detailed Comments : (1) Preamble to state 7.0 without INFO generation. (2) Brings the IUT into state 7.4. (3) Place an I-frame into queue which requires a response. IUT still in state 7.4 and places response I-frame into its queue. (4) IUT acknowledges the I-frame. (5) Ensure IUT does not transmit the response I-frame while in state 7.4. (6) IUT's T200 expires, IUT polls using RR (P=1), and enters state 8.4. (7) Bring the IUT back to state 7.4. (8) This message has an NR error and provokes re-establishment. (9) The IUT is now in state 5.1, one I frame in queue and all I frames are acknowledged. (9) The IUT did not respond with a SABME on a message with a NR error. (10) The IUT has not acknowledged the I frame. (11) Postamble to a stable state. (12) IUT is polling. (13) Bring IUT into state 7.4.					

Test Step Dynamic Behaviour					
Test Step Name : PR_70_01					
Group : Preambles/					
Objective : To bring the IUT in state 7.0 and no I frames sent or received.					
Default : DF_1					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_90_01			→ state 9
2		LIFRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))		
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		
5		LIFRs START TAC	Fs(UAs(C_TEI,F1))		
6		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))		
7		?TIMEOUT TAC		(I)	
8		+PO_END			
9		?TIMEOUT TAC		(I)	
10		+PO_END			
Detailed Comments : (1) Collision by sending of SABME. The IUT is supposed to be in state 5 before having received the SABME from tester.					

Test Step Dynamic Behaviour					
Test Step Name : PR_ISDN_70_01					
Group : Preambles/					
Objective : To bring the IUT in state 7.0 and no I frames sent or received.					
Default : DF_ISDN_1					
Comments : ETS 300 402-2: – ; ETS 300 313: PR37001					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_ISDN_40_01			→ state 4
2		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(1)
3		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))		
4		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		
5		L!FRs START TAC	Fs(UAs(C_TEI,F1))		
6		L?FRr (NS:=0, NR:=0) CANCEL TAC	Fr(UAr(C_TEI,F1))		
7		?TIMEOUT TAC		(I)	
8		+PO_END			
9		?TIMEOUT TAC		(I)	
10		+PO_END			
Detailed Comments : (1) Collision by sending of SABME. The IUT is supposed to be in state 5 before having received the SABME from tester.					

Test Step Dynamic Behaviour					
Test Step Name : PR_70_02 Group : Preambles/ Objective : To bring the IUT in state 7.0 and provide an I frames (STATUS) sent by the IUT on request of layer 3. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			→ state 7
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(1)
3		(NS:=(NS+1)MOD 128)			
4		L?FRr CANCEL TAC, START TWL3	Fr(RRRr(C_TEI,F0 ,NS))		(2)
5		L?FRr CANCEL TWL3	Fr(IN1(C_TEI,P0,NS,NR))		(3)
6		(NR:=(NR+1)MOD 128)			
7		?TIMEOUT TWL3		(I)	(6)
8		+PO_END			(4)
9		L?FRr CANCEL TAC	Fr(IN1(C_TEI,P0,NS,NR))		(5)
10		(NR:=(NR+1)MOD 128)			
11		?TIMEOUT TAC		(I)	
12		+PO_END			(4)
Detailed Comments : (1) I frame STATUS ENQUIRY message) . Requires IUT layer 3 response. (2) RR acknowledgement of the transmitted I frame. (3) I frame with layer 3 response (STATUS message). (4) Postamble to a stable state. (5) I frame acknowledgement of the transmitted I frame with layer 3 response (STATUS message).. (6) IUT did not return the layer 3 response.					

Test Step Dynamic Behaviour					
Test Step Name : PR_70_OI_01 Group : Preambles/ Objective : To bring the IUT inTO state 7.0 with its V(S)=V(A)+2 (outstanding I frames). Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_02 (2)			
2		(NR:=0)			
3		L!FRs START TAC	Fs(RRCs(C_TEI,P0,NR))		(1)
4		L?FRr (NR:=(NR+1)MOD 128) START TAC	Fr(IN1(C_TEI,P0,NS,NR))		(2)
5		L?FRr (NR:=(NR+1)MOD 128) START TAC	Fr(IN1(C_TEI,P0,NS,NR))		(2)
6		?TIMEOUT TAC			(3)
7		?TIMEOUT TAC		(I)	(4)
8		+PO_END			(5)
9		?TIMEOUT TAC		(I)	(4)
10		+PO_END			(5)
Detailed Comments : (1) RR command frame sent by the tester to bring IUT into state 7.0. (2) I frame (STATUS message) sent by the IUT. Tester does not acknowledge this frame. It is now outstanding and it is mild. T200 is running. (3) No more frames sent by the IUT. T200 is still running. (4) I frame (STATUS message) not sent by the IUT. (5) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PR_71_01					
Group : Preambles/					
Objective : To bring the IUT into state 7.1 and no I frames sent or received (Reject recovery).					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			(1)
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,(NS+1)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F0,NS))		(3)
4		?TIMEOUT TAC		(I)	(5)
5		+PO_END			(4)
Detailed Comments : (1) Preamble to state 7.0 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. (2) This I frame has an N(S) error and brings IUT into state 7.1. (3) IUT sends a REJ message and is now in state 7.1. (4) Postamble to a stable state. (5) IUT did not reject I frame with an N(S) error.					

Test Step Dynamic Behaviour					
Test Step Name : PR_74_01					
Group : Preambles/					
Objective : To bring the IUT in state 7.4 and no I frames sent or received.					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01	Fs(RNRs(C_TEI,F0,NR))		(1)
2		L!FRs			(2)
Detailed Comments : (1) Preamble to state 7.0 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. (2) Bring IUT to state 7.4 with an RNR response. IUT's T200 starts.					

Test Step Dynamic Behaviour					
Test Step Name : PR_74_02(TMP_VAL: INTEGER) Group : Preambles/ Objective : To bring the IUT in state 7.4 and stimulate its layer 3 to invoke a number of DL-DATA request services. Layer 2 however has not executed these requests yet. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_01			(1)
2		(TMP1:=TMP_VAL)			
3		REPEAT SUBTREE_1 UNTIL [E_FLAG]			
4		(TMP1:=TMP_VAL, E_FLAG:=FALSE)			
5		REPEAT SUBTREE_2 UNTIL [E_FLAG]			
		SUBTREE_1			
6		L!FRs	Fs(RNCs(C_TEI,P0,NR))		(2)
7		L!FRs START TAC	Fs(IN4(C_TEI,P0,NR,NS))		(3)
8		(NS:=(NS+1)MOD 128)			
9		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F0,NS))		
10		(TMP1:=TMP1-1)			
11		[TMP1<>0]			
12		[TMP1=0] (E_FLAG:=TRUE)			
13		?TIMEOUT TAC (E_FLAG:=TRUE)		(I)	
14		+PO_END			(4)
		SUBTREE_2			
15		(S_FLAG:=FALSE) START TWL3			
16		REPEAT SUBTREE_3 UNTIL [S_FLAG]			(5)
17		(TMP1:=TMP1-1)			
18		[TMP1<>0]			
19		[TMP1=0] (E_FLAG:=TRUE)			
		SUBTREE_3			
20		L?FRr	Fr(RRCr(C_TEI,P1,NS))		
21		L!FRs	Fs(RNRs(C_TEI,F1,NR))		
22		?TIMEOUT TWL3 (S_FLAG:=TRUE)			(6)
Detailed Comments : (1) Preamble to state 7.0 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. (2) RNR command frame sent by the tester to bring and keep the IUT in peer receiver busy condition for (3). (3) TMP_VAL times I frames (layer 3 STATUS ENQUIRY message) sent by the tester. (4) Postamble to a stable state. (5) Wait for TMP_VAL times the interval in which a DL-DATA request could be received. (6) One DL-DATA request will have been received on timeout of this timer from the I queue if IUT is in correct state. In this case, IUT is in state 7.4 and I-frames in queue. I-frames shall not be sent in this case. Check that IUT does not send any of the queued I-frames will in state 7.4					

Test Step Dynamic Behaviour					
Test Step Name : PR_74_OI_01					
Group : Preambles/					
Objective : To bring the IUT in state S74 with its V(S)=V(A)+2 (outstanding I frames).					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fs(RNCs(C_TEI,P0,TMP))		(1)
2		LIFRs (TMP:=0) START TAC			(2)
3		?TIMEOUT TAC			(3)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). (2) Provoke the IUT into state 7.4 with a RNR command and not acknowledging any of the previously sent I frames (N(R) = 0).. (3) No frames sent by the IUT.					

Test Step Dynamic Behaviour					
Test Step Name : PR_75_01					
Group : Preambles/					
Objective : To bring the IUT into state 7.5 and no I frames sent or received (Reject recovery/Peer receiver busy).					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_71_01	Fs(RNCs(C_TEI,P0,NR))		(1)
2		L!FRs			(4)
Detailed Comments : (1) Preamble to state 7.1, no I-frames sent nor received. (4) Bring the IUT into state 7.5.					

Test Step Dynamic Behaviour					
Test Step Name : PR_80_01					
Group : Preambles/					
Objective : To bring the IUT into state 8.0 and provide I frames sent by the IUT on request of layer 3.					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02	Fr(RRCr(C_TEI,P1,NS))	(I)	(1)
2		START T_MAX (PX_T200MAX)			
3		L?FRr (RC:=RC+1) CANCEL T_MAX			
4		?TIMEOUT T_MAX			
5		+PO_END			
Detailed Comments : (1) Preamble to state 7.0 and provide I frames sent by the IUT on request of layer 3; V(S)<=>V(A) and no I frame in queue. (2) Polling on first timeout of T200 with RR command frame and the IUT will enter state 8.0. RC is automatically initialised to 0 at start of test case using this preamble. (4) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PR_80_OI_01					
Group : Preambles/					
Objective : To bring the IUT in state 8.0 with its V(S)=V(A)+2 (outstanding I frames).					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_OI_01	Fr(RRCr(C_TEI,P1,NS))	(I)	(1)
2		L?FRr CANCEL T_MAX			(2)
3		?TIMEOUT T_MAX			(3)
4		+PO_END			(4)
Detailed Comments : (1) Preamble to state 7.0 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledge (outstanding I frames). T200 is already running. (2) T200 expires. IUT polls with an RR command and enters state 8.0. I–Frames remain outstanding. (3) IUT does not respond. (4) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PR_81_01					
Group : Preambles/					
Objective : To bring the IUT in state 8.1 and provide I frames sent by the IUT on request of layer 3 (Timer recovery/Reject recovery).					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		LIFRs START TAC	Fs(IN2(C_TEI,P0,(NR-1)MOD 128,(NS+1)MOD 128))		(2)
3		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RJRr(C_TEI,F0,NS))		(3)
4		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(5)
5		?TIMEOUT T_MAX		(I)	(7)
6		+PO_END			(6)
7		?TIMEOUT TAC		(I)	(8)
8		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 and provide I frames sent by the IUT on request of layer 3; V(S)<>V(A) and no I frame in queue. (2) This message with an N(S) error provokes an IUT REJ message. (3) The above I frame is rejected and the IUT is now in state 7.1. T200 is restarted. (5) T200 expires. IUT polls with RR frame and enters state 8.1. (6) Postamble to a stable state. (7) RR poll did not arrive. (8) REJ frame did not arrive.					

Test Step Dynamic Behaviour					
Test Step Name : PR_84_01 Group : Preambles/ Objective : To bring the IUT in state 8.4 and no I frames sent or received. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			(1)
2		START T_MAX (PX_T200MAX)			
3		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(2)
4		?TIMEOUT T_MAX		(I)	
5		+PO_END			(3)
Detailed Comments : (1) Preamble to state 7.4 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. T200 is running. (2) T200 expires. IUT polls with an RR frame and the enters state 8.4. (3) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PR_84_02 Group : Preambles/ Objective : To bring the IUT in state 8.4 and one I frame is received and acknowledged by the IUT. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_01			(1) -> state 7.4
2		L!FRs START TAC	Fs(IN2(C_TEI,P0,NR,NS))		(2)
3		(NS:=(NS+1) MOD 128)			(3)
4		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RRRr(C_TEI,F0,NS))		(4)
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(5)
6		?TIMEOUT T_MAX		(I)	(6)
7		+PO_END			(7)
8		?TIMEOUT TAC		(I)	(8)
9		+PO_END			(7)
Detailed Comments : (1) Preamble to state 7.4 and no I frames sent by the IUT on request of layer 3; V(S)=V(A) and no I frame in queue. T200 is running already. (2) I frame sent by the tester during peer busy condition and no I frame shall be sent by the IUT. (3) NS to be received in the RR response frame (4) is incremented. (4) RR response frame sent by the IUT to acknowledge the received I frame (2). (5) T200 expires. IUT polls with an RR command frame and enters state 8.4. (6) RR command frame not sent by the IUT. (7) Postamble to a stable state. (8) RR response frame (4) not sent by the IUT.					

Test Step Dynamic Behaviour					
Test Step Name : PR_84_03 Group : Preambles/ Objective : To bring the IUT in state 8.4 and one I frame is sent by the IUT but not acknowledged. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1) -> state 7.0
2		L!FRs START T_MAX (PX_T200MAX)	Fs(RNRs(C_TEI,F0,(NR-1) MOD 128))		(3)
3		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(4)
4		?TIMEOUT T_MAX		(I)	
5		+PO_END			
Detailed Comments : (1) Preamble to state 7.0 and one I frame sent by the IUT on request of layer 3 which is not yet acknowledged. (3) RNR response frame brings IUT into state 7.4. Last I frame is not yet acknowledged. (4) RR command frame sent by the IUT after expiry of timer T200. IUT enters state 8.4.					

Test Step Dynamic Behaviour					
Test Step Name : PR_84_OI_01 Group : Preambles/ Objective : To bring the IUT in state 8.4 with its V(S)=V(A)+2 (outstanding I frames). Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_74_OI_01			(1)
2		START T_MAX (PX_T200MAX)			
3		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(2)
4		?TIMEOUT T_MAX		(I)	(3)
5		+PO_END			(4)
Detailed Comments : (1) Preamble to state 7.4 and I frames sent by the IUT on request of layer 3; V(S)=V(A)+2 and no I frame acknowledged (outstanding I frames). T200 is running. (2) T200 expires. IUT polls with an RR command and enters state 8.4. (3) RR command frame not sent by the IUT. (4) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PR_85_01 Group : Preambles/ Objective : To bring the IUT in state 8.5 and provide I frames sent by the IUT on request of layer 3 (Timer recovery/Reject recovery/Peer busy). Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_70_02			(1)
2		L!FRs	Fs(RNRs(C_TEI,F0,(NR-1)MOD 128))		(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P0,(NR-1)MOD 128,(NS+1)MOD 128))		(3)
4		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RJr(C_TEI,F0,NS))		(4)
5		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(5)
6		?TIMEOUT T_MAX		(I)	
7		+PO_END			(6)
8		?TIMEOUT TAC		(I)	
9		+PO_END			(6)
Detailed Comments : (1) Preamble to state 7.0 and provide I frames sent by the IUT on request of layer 3; V(S)<>V(A) and no I frame in queue. (2) Brings the IUT to state 7.4 and resets T200. The last I frame is not yet acknowledged. (3) This I frame has a N(S) error and provokes a REJ response. One I frame is not acknowledged. (4) The previous I frame is rejected and the IUT enters state 7.5. T200 is running. (5) On expiry of timer T200 the IUT will transmit a RR_C and enter S 8.5. (6) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : PO_90_01 Group : Postambles/ Objective : To bring the IUT to state 9 at the end of the test from states 9, 7.0–7.7 and 8.0–8.7. Default : DF_1 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
2		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	(2)
4		?TIMEOUT TAC		F	(3)
Detailed Comments : (1) The IUT is still in state 9. (2) The IUT will enter state 9 except if IUT was in state 5.1 when receiving the DISC. (3) No response from the IUT.					

Test Step Dynamic Behaviour					
Test Step Name : PO_90_01m Group : Postambles/ Objective : To bring the IUT to state 9 at the end of the test from states 9, 7.0–7.7 and 8.0–8.7 for multiple PSTN ports. Default : DF_1 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
2		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))		(1)
3		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		(2)
4		?TIMEOUT TAC		(F)	(3)
Detailed Comments : (1) The IUT is still in state 9. (2) The IUT will enter state 9 except if IUT was in state 5.1 when receiving the DISC. (3) No response from the IUT.					

Test Step Dynamic Behaviour					
Test Step Name : PO_90_02 Group : Postambles/ Objective : To bring the IUT to state 9 at the end of the test from state 5.1 or 9. Default : DF_1 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		
2		?TIMEOUT TNOAC1		R	(1)
Detailed Comments : (1) Timeout to distinguish state 9 from state 5.1.					

Test Step Dynamic Behaviour					
Test Step Name : PO_END Group : Postambles/ Objective : To ensure that the IUT is in state 9 or 7 after ending a test case. This postamble is used to place the IUT in a stable state after ending a test case. Default : DF_1 Comments : ETS 300 402-2: – ; ETS 300 313: PO44004					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TNOAC1			(1)
2		?TIMEOUT TNOAC1			
3		+SUBTREE_1			
4		L?OTHERWISE CANCEL TNOAC1			(4)
5		+SUBTREE_1			
		SUBTREE_1			
6		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(5)
7		L?FRr CANCEL TAC, START TNOAC1	Fr(UAr(C_TEI,F1))		(6)
8		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(10)
9		L!FRs	Fs(UAs(C_TEI,F1))	R	
10		?TIMEOUT TNOAC1		R	(6)
11		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	(9)
12		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(10)
13		L!FRs START TAC	Fs(UAs(C_TEI,F1))		
14		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	(6)
15		?TIMEOUT TAC		(F)	
Detailed Comments : (1) Wait to ensure that no collision of messages occurs. (4) To ignore this PDU. The IUT is in any state. (5) Establish or re-establish. (6) The IUT is in state 7.0. (9) IUT is not able to enter state 7.0. IUT is in state 9. (10) Collision of unnumbered commands.					

Test Step Dynamic Behaviour					
Test Step Name : PO_ENDm Group : Postambles/ Objective : To ensure that the IUT is in state 9 or 7 after ending a test case. This postamble is used to place the IUT in a stable state after ending a test case for multiple PSTN ports. Default : DF_1 Comments : ETS 300 402-2: – ; ETS 300 313: PO44004					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TNOAC1			(1)
2		?TIMEOUT TNOAC1			
3		+SUBTREE_1			
4		L?OTHERWISE CANCEL TNOAC1			(4)
5		+SUBTREE_1			
		SUBTREE_1			
6		L!FRs START TAC	Fs(SABMEs(C_TEI,P1))		(5)
7		L?FRr CANCEL TAC, START TNOAC1	Fr(UAr(C_TEI,F1))		(6)
8		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(10)
9		L!FRs	Fs(UAs(C_TEI,F1))		
10		?TIMEOUT TNOAC1			(6)
11		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))		(9)
12		L?FRr CANCEL TAC	Fr(SABMEr(C_TEI,P1))		(10)
13		L!FRs START TAC	Fs(UAs(C_TEI,F1))		
14		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))		(6)
15		?TIMEOUT TAC		(F)	
Detailed Comments : (1) Wait to ensure that no collision of messages occurs. (4) To ignore this PDU. The IUT is in any state. (5) Establish or re-establish. (6) The IUT is in state 7.0. (9) IUT is not able to enter state 7.0. IUT is in state 9. (10) Collision of unnumbered commands.					

Test Step Dynamic Behaviour					
Test Step Name : CS_90_01					
Group : Check/					
Objective : To check the IUT state 9 at the end of the test.					
Default : DF_1					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TNOAC1 (6)	Fs(DISCs(C_TEI,P1)) Fr(DMr(C_TEI,F1))	(I)	(1)
2		?TIMEOUT TNOAC1			
3		L!FRs START TAC			
4		L?FRr CANCEL TAC, START TNOAC1			
5		?TIMEOUT TNOAC1			
6		+PO_END			
7		?TIMEOUT TAC			
8		+PO_END			
Detailed Comments : (1) Timeout to distinguish state 9 from state 5. (2) DISC frame sent by the tester. (3) DM frame sent by the IUT. The IUT is in state 9. (4) The IUT remains in state 9. (5) Postamble to a stable state. (6) DM frame not sent by the IUT.					

Test Step Dynamic Behaviour					
Test Step Name : CS_5n_01					
Group : Check/					
Objective : To check the IUT state 5.1 at the end of the test.					
Default : DF_1					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)	Fr(SABMEr(C_TEI,P1)) Fs(DMs(C_TEI,F1))	(I)	(1)
2		L?FRr CANCEL T_MAX			
3		L!FRs			
4		+PO_END			
5		?TIMEOUT T_MAX			
6		+PO_END			
Detailed Comments : (1) The IUT is in state 5.1 and sends a SABME frame after expiry of timer T200. (2) DM frame sent by the tester to bring the IUT to state 9. (3) SABME frame not sent by the IUT. (4) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : CS_70_01 Group : Check/ Objective : To check the IUT state 7.0 at the end of the test. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		?TIMEOUT T_MAX			(1)
3		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
5		+PO_90_01			(4)
6		?TIMEOUT TAC		(I)	(5)
7		+PO_END			(6)
Detailed Comments : (1) Timeout to distinguish state 7.0 from state 7.4. If T200 is running, state 7.4 is assumed. (2) RR command frame sent by the tester. (3) RR response frame sent by the IUT. (4) Postamble to state 9 using a DISC frame. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : CS_70_01m Group : Check/ Objective : To check the IUT state 7.0 at the end of the test for multiple PSTN ports. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		?TIMEOUT T_MAX			(1)
3		L!FRs START TAC	Fs(RRCs(C_TEI,P1,NR))		(2)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))	(P)	(3)
5		+PO_90_01m			(4)
6		?TIMEOUT TAC		(I)	(5)
7		+PO_ENDm			(6)
Detailed Comments : (1) Timeout to distinguish state 7.0 from state 7.4. If T200 is running, state 7.4 is assumed. (2) RR command frame sent by the tester. (3) RR response frame sent by the IUT. (4) Postamble to state 9 using a DISC frame. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : CS_70_02 Group : Check/ Objective : To check the IUT state 7.0 at the end of the test. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR,(NS+1)MOD 128))		(1)
2		L?FRr CANCEL TAC	Fr(RJr(C_TEI,F1,NS))		(2)
3		+PO_90_01			(4)
4		?TIMEOUT TAC		(I)	(5)
5		+PO_END			(6)
Detailed Comments : (1) This I frame provokes a REJ response frame and will reset T200. (2) REJ response frame sent by the IUT. (4) Postamble to state 9 using a DISC frame. (5) REJ response frame not sent by the IUT. (6) Postamble to a stable state. This test step distinguishes between all states, it is not applicable when untransmitted I frames are in the queue.					

Test Step Dynamic Behaviour					
Test Step Name : CS_70_03 Group : Check/ Objective : To check the IUT state 7.0 at the end of the test with timer T200 running. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(4)
3		L!FRs	Fs(RRRs(C_TEI,F1,NR))		(5)
4		+CS_70_01			state 7.0 ?
5		?TIMEOUT T_MAX		(I)	(6)
6		+PO_END			(7)
Detailed Comments : (4) Polling with RR command frame after expiry of timer T200 in state 7.0 and the IUT will enter state 8.0. (5) RR response frame sent by the tester to acknowledge the second I frame and the IUT will enter state 7.0. (6) I frame (3) or RR command frame (5) not sent by the IUT. (7) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : CS_71_01					
Group : Check/					
Objective : To check the IUT state 7.1 at the end of the test.					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L!FRs START TAC	Fs(IN8(C_TEI,P1,NR,(NS+PC_K)MOD 128)) Fr(RRRr(C_TEI,F1,NS))	(I)	(1)
2		L?FRr CANCEL TAC			(2)
3		+PO_90_01			(3)
4		?TIMEOUT TAC			(4)
5		+PO_END			(5)
Detailed Comments : (1) I frame (DISCONNECT COMPLETE message) with N(S) out of window. (2) RR response frame sent by the IUT. (3) Postamble to state 9 using a DISC frame. (4) RR response frame not sent by the IUT. (5) Postamble to a stable state.					

Test Step Dynamic Behaviour					
Test Step Name : CS_71_02					
Group : Check/					
Objective : To check the IUT state 7.1 at the end of the test.					
Default : DF_2					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LIFRs START TAC	Fs(IN2(C_TEI,P1,NR,(NS+1)MOD 128)) Fr(RRRr(C_TEI,F1,NS))	(I)	(1)
2		L?FRr CANCEL TAC, START TNOAC1			(2)
3		?TIMEOUT TNOAC1			(3)
4		+PO_90_01			(4)
5		?TIMEOUT TAC			(5)
6		+PO_END			(6)
Detailed Comments : (1) This I frame provokes a RR response frame and will reset timer T200. (2) RR response frame sent by the IUT. (3) No timer is running. (4) Postamble to state 9 using a DISC frame. (5) RR response frame not sent by the IUT. (6) Postamble to a stable state. This test step distinguishes between all states, it is not applicable when untransmitted I frames are in the queue.					

Test Step Dynamic Behaviour					
Test Step Name : CS_74_01 Group : Check/ Objective : To check the IUT state 7.4 at the end of the test with timer T200 running. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(2)
3		L!FRs	Fs(RNRs(C_TEI,F1,NR))		(3)
4		+PO_90_01			(4)
5		?TIMEOUT T_MAX		(I)	(5)
6		+PO_END			(6)
Detailed Comments : (2) RR command frame sent by the IUT. (3) RNR response frame sent by the tester. (4) Postamble to state 9 using a DISC frame. (5) RR command frame not sent by the IUT after expiry of timer T200. (6) Postamble to stable state. This procedure leaves IUT in initial state. It does not distinguish between State 7.4 and 8.4.					

Test Step Dynamic Behaviour					
Test Step Name : CS_74_02 Group : Check/ Objective : To check the IUT state 7.4 at the end of the test with timer T200 running. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR,(NS+1)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))		(3)
4		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(4)
5		+CS_85_01 (NR)			(5)
6		?TIMEOUT T_MAX		(I)	(6)
7		+PO_END			(7)
8		?TIMEOUT TAC		(I)	(8)
9		+PO_END			(9)
Detailed Comments : (2) This I frame provokes a REJ response frame but will not reset timer T200 (only when in S 7.4, 8.0, 8.4). (3) REJ response frame sent by the IUT. (4) RR command frame sent by the IUT. (5) This test step will only be passed when IUT was in S7.4 at the beginning. (6) REJ response frame not sent by the IUT. (7) Postamble to a stable state. (8) RR command frame not sent by the IUT. (9) Postamble to a stable state. This test step distinguishes between all states, it is always applicable.					

Test Step Dynamic Behaviour					
Test Step Name : CS_75_01 Group : Check/ Objective : To check the IUT state 7.5 at the end of the test with timer T200 running. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR,(NS+1)MOD 128))		(2)
3		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))		(3)
4		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(4)
5		+CS_85_01(NR)			(5)
6		?TIMEOUT T_MAX		(I)	(6)
7		+PO_END			(7)
8		?TIMEOUT TAC		(I)	(8)
9		+PO_END			(7)
Detailed Comments : (2) This I frame provokes a RR response frame and will not reset timer T200 (only when in S7.5, 8.1, 8.5). (3) RR response frame sent by the IUT. (4) RR command frame sent by the IUT after timeout of timer T200. (5) This test step will only be passed when IUT was in S7.5 at the beginning. (6) RR command frame not sent by the IUT after timeout of timer T200. (7) Postamble to a stable state. (8) RR response frame not sent by the IUT. This test step distinguishes between all states, it is always applicable.					

Test Step Dynamic Behaviour					
Test Step Name : CS_80_01(NR_VAL:INTEGER) Group : Check/ Objective : To check the IUT state 8.0 at the end of the test (Timer recovery/Normal). Default : DF_2 Comments : ETS 300 402-2: – ; ETS 300 313: CS58002					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		+SUBTREE_CS_80_01(NR_VAL)			(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR_VAL,(NS+1)MOD 128))		(3)
4		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RJRr(C_TEI,F1,NS))		(4)
5		+SUBTREE_CS_80_01(NR_VAL)			(5)
6		START T_MAX (PX_T200MAX)			
7		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(6)
8		+PO_END			(7)
9		?TIMEOUT T_MAX		(I)	(8)
10		+PO_END			(9)
11		?TIMEOUT TAC		(I)	(10)
12		+PO_END			(9)
		SUBTREE_CS_80_01(NR_VAL : INTEGER)			
13		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(12)
14		?TIMEOUT T_MAX		(I)	(13)
15		+PO_END			(9)
Detailed Comments : (2) Check transmitted frame on second timeout of T200. (3) I frame (STATUS ENQUIRY message) with N(S) out of window. (4) IUT was not in a REJECT condition. (5) Check transmitted frame on third timeout of T200. (6) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (7) Postamble to a stable state. (8) SABME command frame not sent by the IUT. (9) Postamble to a stable state. (10) REJ response frame not sent by the IUT. (12) The IUT is polling with a RR command frame. (13) The IUT is not polling with any frame. This test step is used for checking state 8.0 with RC=1. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.0 and S8.4 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : CS_80_02(NR_VAL:INTEGER) Group : Check/ Objective : To check the IUT state 8.0 at the end of the test (Timer recovery/Normal). Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LIFRs START TAC	Fs(IN2(C_TEI,P1,NR_VAL,(NS+1)MOD 128))		(3)
2		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RJRr(C_TEI,F1,NS))		(4)
3		+SUBTREE_CS_80_01(NR_VAL)			(5)
4		START T_MAX (PX_T200MAX)			
5		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(6)
6		+PO_END			(7)
7		?TIMEOUT T_MAX		(I)	(8)
8		+PO_END			(9)
9		?TIMEOUT TAC		(I)	(10)
10		+PO_END			(9)
		SUBTREE_CS_80_01(NR_VAL : INTEGER)			
11		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(12)
12		?TIMEOUT T_MAX		(I)	(13)
13		+PO_END			(9)
Detailed Comments : (3) I frame (STATUS ENQUIRY message) with N(S) out of window. (4) IUT was not in a REJECT condition. (5) Check transmitted frame on third timeout of T200. (6) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (7) Postamble to a stable state. (8) SABME command frame not sent by the IUT. (9) Postamble to a stable state. (10) REJ response frame not sent by the IUT. (12) The IUT is polling with a RR command frame. (13) The IUT is not polling with any frame. This test step is used for checking state 8.0 with RC=2. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.0 and S8.4 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : CS_81_01(NR_VAL:INTEGER) Group : Check/ Objective : To check the IUT state 8.1 at the end of the test (Timer recovery/Reject recovery) with timer T200 running. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		+SUBTREE_CS_81_01(NR_VAL)			(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR_VAL,(NS+1)MOD 128))		(3)
4		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RRRr(C_TEI,F1,NS))		(4)
5		+SUBTREE_CS_81_01(NR_VAL)			(5)
6		START T_MAX (PX_T200MAX)			
7		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(6)
8		+PO_90_02			(7)
9		?TIMEOUT T_MAX		(I)	(8)
10		+PO_END			(9)
11		?TIMEOUT TAC		(I)	(10)
12		+PO_END			(9)
		SUBTREE_CS_81_01(NR_VAL:INTEGER)			
13		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(12)
14		?TIMEOUT T_MAX		(I)	(13)
15		+PO_END			(9)
Detailed Comments : (1) No frame sent by the IUT and the IUT is in state 8.1. (2) Check transmitted frame on second timeout of T200. (3) I frame (STATUS ENQUIRY message) and N(S) out of window. (4) IUT was in a REJECT condition. (5) Check transmitted frame on third timeout of T200. (6) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (7) Postamble to state 9 using a DM frame. (8) SABME command frame not sent by the IUT. (9) Postamble to a stable state. (10) RR response frame not sent by the IUT. (12) The IUT is polling with a RR command frame. (13) The IUT is not polling with any frame. This test is used for checking state 8.1 with RC=1. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.1 and S8.5 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : CS_84_01(NR_VAL:INTEGER) Group : Check/ Objective : To check the IUT state 8.4 at the end of the test. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		+SUBTREE_CS_84_01			(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR_VAL,(NS+1)MOD 128))		(3)
4		L?FRr CANCEL TAC, START T_MAX (PX_T200MAX)	Fr(RJRr(C_TEI,F1,NS))		(4)
5		+SUBTREE_CS_84_01			(5)
6		START T_MAX (PX_T200MAX)			
7		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(6)
8		+PO_END			(7)
9		?TIMEOUT T_MAX		(I)	(8)
10		+PO_END			(9)
11		?TIMEOUT TAC		(I)	(10)
12		+PO_END			(9)
		SUBTREE_CS_84_01			
13		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(11)
14		?TIMEOUT T_MAX		(I)	(12)
15		+PO_END			(9)
Detailed Comments : (2) Check transmitted frame on second timeout of T200. (3) I frame (STATUS ENQUIRY message) and N(S) out of window. (4) IUT was not in a REJECT condition. (5) Check transmitted frame on third timeout of T200. (6) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (7) Postamble to state 9 using a DM frame. (8) SABME command frame not sent by the IUT. (9) Postamble to a stable state. (10) REJ response frame not sent by the IUT. (11) The IUT is polling with a RR command frame. (12) The IUT is not polling. This test is used for checking state 8.4 with RC=1. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.4 and S8.0 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : CS_84_02 Group : Check/ Objective : To check the IUT state 8.4 at the end of a timer test. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		LIFRs START TAC	Fs(IN2(C_TEI,P1,NR,(NS+1)MOD 128))		(2)
2		L?FRr CANCEL TAC	Fr(RJRr(C_TEI,F1,NS))		(3)
3		START T_MAX (PX_T200MAX)			
4		+SUBTREE_1			(4)
5		START T_MAX (PX_T200MAX)			
6		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(5)
7		+PO_END			(6)
8		?TIMEOUT T_MAX		(I)	(7)
9		+PO_END			(8)
10		?TIMEOUT TAC		(I)	(9)
11		+PO_END			(8)
		SUBTREE_1			
12		L?FRr CANCEL T_MAX	Fr(RRCr(C_TEI,P1,NS))		(10)
13		?TIMEOUT T_MAX		(I)	(11)
14		+PO_END			(8)
Detailed Comments : (2) I frame (STATUS ENQUIRY message) and N(S) out of window. (3) IUT was not in a REJECT condition. (4) Check transmitted frame on third timeout of T200. (5) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (6) Postamble to state 9 using a DM frame. (7) SABME command frame not sent by the IUT. (8) Postamble to a stable state. (9) REJ response frame not sent by the IUT. (10) The IUT is polling with a RR command frame. (11) The IUT is not polling. This test is used for checking state 8.4 with RC=1. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.4 and S8.0 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : CS_85_01(NR_VAL:INTEGER) Group : Check/ Objective : To check the IUT state 8.5 at the end of the test. Default : DF_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_MAX (PX_T200MAX)			
2		+SUBTREE_CS_85_01			(2)
3		L!FRs START TAC	Fs(IN2(C_TEI,P1,NR_VAL,(NS+1) MOD 128))		(3)
4		L?FRr CANCEL TAC	Fr(RRRr(C_TEI,F1,NS))		(4)
5		+SUBTREE_CS_85_01			(5)
6		L?FRr CANCEL T_MAX	Fr(SABMEr(C_TEI,P1))		(6)
7		+PO_90_02			(7)
8		?TIMEOUT T_MAX		(I)	(8)
9		+PO_END			(9)
10		?TIMEOUT TAC		(I)	(10)
11		+PO_END			(9)
		SUBTREE_CS_85_01			
12		L?FRr START T_MAX (PX_T200MAX)	Fr(RRCr(C_TEI,P1,NS))		(11)
13		?TIMEOUT T_MAX		(I)	(12)
14		+PO_END			(9)
Detailed Comments : (2) Check transmitted frame on second timeout of T200. (3) I frame (STATUS ENQUIRY message) and N(S) out of window. (4) IUT was in a REJECT condition. (5) Check transmitted frame on third timeout of T200. (6) SABME command frame sent by the IUT after timeout of T200 with RC=N200 (re-establish). (7) Postamble to state 9 using a DM frame. (8) SABME command frame not sent by the IUT. (9) Postamble to a stable state. (10) RR response frame not sent by the IUT. (11) The IUT is polling with a RR command frame. (12) The IUT is not polling. This test is used for checking state 8.5 with RC=1. It does distinguish this state from all other states when V(S)<>V(A), otherwise S8.5 and S8.1 behave equally.					

Test Step Dynamic Behaviour					
Test Step Name : OTHER_TEI Group : Miscellaneous/ Objective : Generates a TEMP_TEI outside the assigned PSTN TEI values. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(TEMP_TEI:= 126 – PC_NBR_PSTN_PORTS)			(1)
Detailed Comments : (1) The TEI of an unassigned PSTN port. The number of ports for which the PSTN-GW is configured is given by the PICS value PC_NBR_PSTN_PORTS. If there are ten assigned ports, there is a small chance that TEI 116 is assigned to the ISDN-BA port. This test suite does not take into account this possibility and assumes that TEI = 116 is unassigned.					

Default Dynamic Behaviour					
Default Name : DF_1					
Group :					
Objective : Default subtree for all states except 7 and 8.					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L?PH_DEACT_IN		(I)	(1)
2		[TRUE]		R	
3		L?PH_ACT_IN		(I)	
4		[TRUE]		R	
5		L?FRr	Fr(XID(C_TEI))	(I)	(1)
6		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		
7		?TIMEOUT TNOAC1		R	
8		L?OTHERWISE		F	
9		L?OTHERWISE		(F)	(2)
10		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		(1)
11		?TIMEOUT TNOAC1		R	
12		L?OTHERWISE		R	
Detailed Comments : (1) Layer 1 deactivation. (2) Received frame not foreseen. (3) Id check request from network. Responds with a Id Response when C_TEI<>127 (meaning a TEI has been assigned). Else do not respond so that the TEI value will be deleted.					

Default Dynamic Behaviour					
Default Name : DF_2 Group : Objective : Default subtree for MF (state 7) and Timer Recovery (state 8) States. Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L?PH_DEACT_IN		(I)	(1)
2		[TRUE]		R	
3		L?PH_ACT_IN		(I)	
4		[TRUE]		R	
5		L?FRr	Fr(RNR_ANY(C_TEI))	(I)	
6		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
7		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	
8		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	
9		?TIMEOUT TAC		F	no response
10		L?OTHERWISE		F	
11		L?FRr	Fr(RNC_ANY(C_TEI))	(I)	(2)
12		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
13		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	
14		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	
15		?TIMEOUT TAC		F	no response
16		L?OTHERWISE		F	
17		L?FRr	Fr(XID(C_TEI))	(I)	
18		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
19		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	
20		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	
21		?TIMEOUT TAC		F	no response
22		L?OTHERWISE		F	
23		L?OTHERWISE		(F)	(3)
24		L!FRs START TAC	Fs(DISCs(C_TEI,P1))		
25		L?FRr CANCEL TAC	Fr(DMr(C_TEI,F1))	R	
26		L?FRr CANCEL TAC	Fr(UAr(C_TEI,F1))	R	
27		?TIMEOUT TAC		R	no response
28		L?OTHERWISE		R	
Detailed Comments : (1) Layer 1 deactivation. (2) IUT receiver not ready. (3) Received frame not expected. (4) Id check request from network. Responds with a Id Response when C_TEI<>127 (meaning a TEI has been assigned). Else do not respond so that the TEI value will be deleted.					

Default Dynamic Behaviour					
Default Name : DF_ISDN_1					
Group :					
Objective : Default subtree for all states except 7 and 8.					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L?PH_DEACT_IN		(I)	(1)
2		[TRUE]		R	
3		L?PH_ACT_IN		(I)	
4		[TRUE]		R	
5		L?FRr	Fr(XID(C_TEI))	(I)	(1)
6		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		
7		?TIMEOUT TNOAC1		R	
8		L?OTHERWISE		F	
9		L?OTHERWISE		(F)	(2)
10		L!FRs START TNOAC1	Fs(DMs(C_TEI,F1))		(1)
11		?TIMEOUT TNOAC1		R	
12		L?OTHERWISE		R	
Detailed Comments : (1) Layer 1 deactivation. (2) Received frame not foreseen. (3) Id check request from network. Responds with a Id Response when C_TEI<>127 (meaning a TEI has been assigned). Else do not respond so that the TEI value will be deleted.					