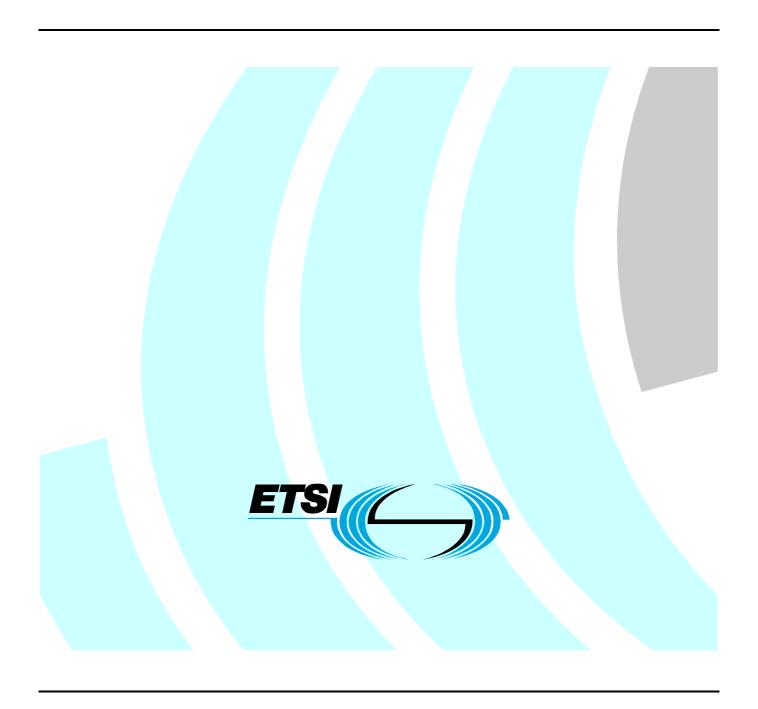
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Technical Specification

Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio; Part 6: Interoperability testing; Test Descriptions (TD)



Reference

RTS/ERM-TGDMR-297-6

Keywords

digital, interoperability, mobile, radio, testing, TSS&TP

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document is part 6 of a multi-part deliverable covering the Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio, as identified below:

- Part 1: "Conformance testing; Protocol Implementation Conformance Statement (PICS) proforma";
- Part 2: "Conformance testing; Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 3: "Requirements catalogue";
- Part 4: "Conformance testing; Abstract Test Suite (ATS)";
- Part 5: "Interoperability testing; Interoperability Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 6: "Interoperability testing; Test Descriptions (TD)".

1 Scope

The present document contains the Test Descriptions (TD) for interoperability testing of the ERM; Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p of up to 500 mW as defined in TS 102 490 [1]. The objective of this test specification is to provide a basis for interoperability tests for ERM Peer-to-Peer Digital Private Mobile Radio equipment giving a high probability of inter-operability between different manufacturer's ERM DMR equipment.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at http://docbox.etsi.org/Reference.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

2.1 Normative references

The following referenced documents are necessary for the application of the present document.

- [1] ETSI TS 102 490 (V1.6.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p. of up to 500 mW".
- [2] Void.
- [3] Void.
- [4] ETSI TS 102 587-3: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio; Part 3: Requirements catalogue".

2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

3 **Abbreviations**

For the purposes of the present document, the following abbreviations apply:

(Test) ConFiguration **CSF** Configured Services and Facilities dPMR digital Private Mobile Radio Individual Short Data Message **ISDM** ISF Initial Services and Facilities **OACSU** Off Air Call Set-Up PTT Push To Talk

RC Requirements Catalogue

ReQuirement RQ TD Test Description TP Test Purpose **Test Suite Structure TSS**

Test Suite Structure (TSS) 4

The Test Suite Structure is based on the dPMR Requirements Catalogue [4]. It is defined by the groups within the following specification of test descriptions. The numbering is not contiguous so that new TDs can be added at a later date without the need to completely renumber the TSS groups.

The test descriptions have been divided into three groups:

- Group 1: Common requirements.
- Group 2: CSF requirements.
- Group 3: ISF requirements.

The sub-grouping of these three group follows the structure of the RC. Some of the sub-groups of the RC contained no testable requirement. Headings for those sub-groups are in this test purpose document in the node group to give a full view on the relation between RQ and TD.

```
Group 1 "ISF CSF Common"
Group 1.1 "All Call"
Group 1.2 "Channel Access"
Group 1.3 "Framing"
Group 1.3.1 "End frame"
Group 1.3.2 "Header frames"
Group 1.3.2.1 "Call information field"
Group 1.3.3 "Packet data frame'
Group 1.3.4 "Superframe"
Group 1.3.4.1 "Type 1 data"
Group 1.3.4.2 "Type 2 data"
Group 1.3.4.3 "Voice"
Group 1.4 "Late Entry'
Group 1.5 "Powersave"
Group 1.6 "Talking Party ID"
Group 2 "CSF"
Group 2.1 "Broadcast Call"
Group 2.2 "Dialling Plan"
Group 2.3 "Individual Short Data Message"
Group 2.3.1 "ISDM Free Text Message"
Group 2.3.2 "ISDM Precoded Message"
Group 2.3.3 "ISDM Short File Transfer"
Group 2.3.4 "ISDM Status Message"
Group 2.4 "OACSU"
Group 2.5 "Short Appended Data"
Group 2.6 "Slow User Data"
Group 2.7 "Type 3 data"
Group 3 "ISF"
```

5 Test Descriptions (TD)

Configurations that are referenced by test descriptions are shown in annex A.

5.1 ISF CSF Common

Group 1 'ISF CSF Common'

5.1.1 All Call

Group 1.1 'All Call'

	Test Des	cription			
Identifier:	TD_PMR_0824_01	Test Purpose:	TP_PMR	R_0824_01	
Summary:	'Support of all call with any specific	callee ID'			
Roles:	ISF	Configuration:	CF_IDPN	MRISF_01	
References:	RQ_001_0824, RQ_001_0824				
ISF QE1 and EUT					
with { QE1 and EUT					
	using_compatible_vocoders				
}					
ensure that {	_				
when { QE1 uses Co					
	other Common_ID and				
	kes a Call to EUT }				
then { EUT_User re	eceives the Call }				
}					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both Q	E1 and EUT			
	Select 255 as Common ID on QE1				
	Select a different Common ID on E	UT			
Step	Test Se	equence		Verd	lict
				Pass	Fail
1	Cause QE1 to make a call				
2	Check that EUT receives the call			yes	no
Observations:					

	Test Des	cription		
ldentifier:	TD_PMR_0824_02	Test Purpose:	TP_PMR_0824	L_02
Summary:	'All call with all call callee ID'			
Roles:	ISF	Configuration:	CF_IDPMRISF	_01
References:	RQ_001_0824, RQ_001_0824			
QE1_User :	I in standby and using_compatible_vocoders UT using Common_ID 255 and makes a Call to EUT } receives the Call }			
xxxxxxxxxxxxx	<u> </u>	xxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both	QE1 and EUT		
	Select 255 as Common ID on bot			
Step	Test Sec	quence	Ver	dict
			Pass	Fail
1	Cause QE1 to make a call			
2	Check that EUT receives the call	·	Yes	No
Observations:				

```
Test Description
Identifier:
                     TD_PMR_0824_03
                                                     Test Purpose:
                                                                           TP_PMR_0824_03
Summary:
                     'All call with all call callee ID'
Roles:
                                                     Configuration:
                     ISF
                                                                           CF_IDPMRISF_01
References:
                     RQ_001_0824, RQ_001_0824
-- ISF QE1 and EUT
with \{ QE1 and EUT in standby and
                     using_compatible_vocoders
    }
ensure that {
  when { EUT uses Common_ID 255 and
          QE1 uses another Common ID and
 QE1_User makes a Call }
then { EUT_User does not receive the Call }
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select 255 as Common ID on EUT
                     Select a different value of Common ID on QE1
        Step
                                         Test Sequence
                                                                                    Verdict
                                                                                            Fail
                                                                               Pass
                     Cause QE1 to make a call
                     Check if EUT receives the call
         2
                                                                                            Yes
                                                                                No
Observations:
```

	Test Desc	ription			
Identifier:	TD_PMR_0858_01	Test Purpose:	TP_I	PMR_0858_0 ⁻	1
Summary:	Summary: All call with all callee ID				
Roles:	ISF	Configuration:	CF_I	IDPMRISF_01	
References:	RQ_001_0858, RQ_001_0858				
ISF QE1 and EUT with { QE1 and EUT	in standby and using_compatible_vocoders				
QE1_User ma	ommon_ID 255 and nother Common_ID and lkes a Call } les not receive the Call }				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE Select 255 as Common ID on EUT a				
Step	Test Sequ	ence		Verd	dict
				Pass	Fail
1	Cause QE1 to make a call				
2	Check if EUT receives the call			Yes	No
Observations:					

	Test De	scription	
Identifier:	TD_PMR_0858_02	Test Purpose:	TP_PMR_0858_02
Summary:	All call with all call callee ID		
Roles:	ISF	Configuration:	CF_IDPMRISF_01
References:	RQ_001_0858, RQ_001_0858		
ensure that { when { EUT uses Co QE1 uses Co	using_compatible_vocoders		

xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE1 and EUT		
	Select 255 as Common ID on EUT		
	Select a different value of Common ID on QE1		
Step	Test Sequence	Ver	dict
•	·	Pass	Fail
1	Cause QE1 to make a call		
2	Check if EUT receives the call	No	Yes
Observations:		•	•

End group 1.1

5.1.2 channel access

Group 1.2 'Channel Access'

	Test Description				
Identifier:	TD_PMR_1006_01 Test Purpose:	TP_PMR_1006_	01		
Summary:	ummary: 'Automatic call termination within 180 seconds '				
Roles:	ISF Configuration:	CF_IDPMRISF_	01		
References:	RQ_001_1006				
QE1 and E } ensure that { when { EUT_User m PTT_Key is then { QE1_User r	DEI using same Common_ID and powersave_disabled and using_compatible_vocoders) and DUT in standby Dutakes a PTT_Call and So not released } Dutakes the PTT_Call and Dutakes the PTT_Call after 180 seconds}				
xxxxxxxxxxxxxxx	······································				
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select same Common ID for both QE1 and EUT		P		
Step	Test Sequence		dict		
1	Cause EUT to make a voice call to QE1 and start timer	Pass	Fail		
<u> </u>					
2 3	Keep EUT transmitting until QE1 stops receiving the voice call				
	Stop timer when QE1 stops receiving	Voc	No		
4 Observations	Check that timer value is 180 seconds or less	Yes	No		
Observations:					

	Test Descrip	otion				
Identifier:	dentifier: TD_PMR_1006_02 Test Purpose: TP_PMR_1006_02					
Summary:	'Automatic call termination within 180	seconds '				
Roles:	CSF	Configuration:	CF_IDPMRCSF_01			
References:	RQ_001_1006					
CSF QE1 and EUT						
with { (EUT and QE	Il powersave_disabled and					
	using_compatible_vocoders)					
QE1 in star	ıdby					
}						
ensure that {						
when { EUT_User ma	kes a Voice_Transmission addres	sed to QE1 and				
PTT_Key is	<pre>not released }</pre>					
then { QE1_User re	ceives Voice_Transmission and					
EUT termina	EUT terminates the Voice Transmission after 180 seconds }					
}	-					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx				

Pre-test conditions:	Select same RF channel for both QE1 and EUT			
Select or enter a talkgroup address for QE1 on EUT				
Step Test Sequence Verd				
-	·	Pass	Fail	
1	Cause EUT to make a voice call to QE1 and start timer			
2	Keep EUT transmitting until QE1 stops receiving the voice call			
3	Stop timer when QE1 stops receiving			
4	Check that timer value is 180 seconds or less	Yes	No	
Observations:				

	Te	est Description		
Identifier:	TD_PMR_1006_03	Test Purpose:	TP_PMR_10	06_03
Summary:		within 180 seconds and call resu	ıme'	
Roles:	ISF	Configuration:	CF_IDPMRIS	SF_01
References:	RQ_001_1006	·		
EUT in ca: } ensure that { when { EUT_User:	QE1 using same Common_ID powersave_disabled an using_compatible_voca ll_timeout_terminated releases and presses PTT_ receives PTT_Call }	nd oders) and		
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for Select same Common ID for			
Step	Т	est Sequence	'	/erdict
			Pass	Fail
1	Cause EUT to transmit unt	il QE1 stops receiving the call		
2	De-key the transmitter of the	ne EUT		
3	Re-key the transmitter of the	ne EUT		
4	Check if QE1 starts to rece	eive the call from EUT	Yes	No
Observations:				

	Tes	st Description			
Identifier:	TD_PMR_1006_04	Test Purpose:	TP_	PMR_1006_	04
Summary:	'Automatic call termination w	vithin 180 seconds and call res	ume'		
Roles:	CSF	Configuration:	CF_	IDPMRCSF_	_01
References:	RQ_001_1006				
<pre>} ensure that { when { EUT_User : then { QE1_User : }</pre>	ll_timeout_terminated releases and presses the F receives Voice_Transmissic	on }			
Pre-test conditions:	Select same RF channel for				
	Select or enter a talkgroup a	20 42. 4 20.			
Step	<u> </u>	st Sequence		Ver	dict
-		-		Pass	Fail
1	Cause EUT to transmit until	QE1 stops receiving the call			
2	De-key the transmitter of the	EUT			
2 3	De-key the transmitter of the Re-key the transmitter of the				
		EUT		Yes	No

```
Test Description
Identifier:
                     TD_PMR_1008_01
                                                      Test Purpose:
                                                                            TP_PMR_1008_01
Summary:
                     'Channel access in own call '
                                                      Configuration:
Roles:
                     ISF
                                                                            CF_IDPMRISF_02
References:
                     RQ_001_1008, RQ_001_1008
-- ISF QE1, QE2 and EUT
with {    ((EUT and QE1 and QE2) using the same Common_ID and
with {
                                 using_compatible_vocoders) and
           QE1 is transmitting
     }
ensure that {
  when { EUT_User makes PTT_Call }
 then { QE2 User receives the PTT Call from EUT}
 Pre-test conditions:
                     Select same RF channel for QE1, QE2 and EUT
                     Select same Common ID for QE1, QE2 and EUT
        Step
                                                                                        Verdict
                                             Test Sequence
                                                                                    Pass
                                                                                              Fail
                     Cause QE1 to make a voice call to QE2
                     Cause EUT to make a voice call to QE2 while QE1 is still transmitting
         2
         3
                     Check if QE2 receives the voice call from EUT
                                                                                     Yes
                                                                                               No
Observations:
```

	Test Description	n		
Identifier:	TD_PMR_1008_02 Te	est Purpose: TP_	PMR_1008_0	2
Summary:	'Channel access in own call '	•		
Roles:	CSF Co	onfiguration: CF_	IDPMRCSF_0)2
References:	RQ_001_1008			
QE1 is tr } ensure that { when { EUT_User m then { QE2_User r }	QE1 and QE2) using the same call_gr using_compatible_vocod ansmitting Voice_Transmission to EU akes a Voice_Transmission to QE2} eceives the Voice_Transmission from	ders) and TT EUT}		
Pre-test conditions:	Select same RF channel for QE1, QE2 a			
<u> </u>	Select same Talkgroup address for QE1		1	
Step	Test Sequer	ce		dict
_			Pass	Fail
1	Cause QE1 to make a voice call to QE2			
2	Cause EUT to make a voice call to QE2	while QE1 is still transmitting		
3	Check if QE2 receives the voice call from	n EUT	Yes	No
Observations:				

```
Test Description
Identifier:
                      TD_PMR_1009_01
                                                       Test Purpose:
                                                                              TP_PMR_1009_01
Summary:
                      'Channel access when ISF polite to own colour code'
                                                       Configuration:
Roles:
                      ISF
                                                                              CF_IDPMRISF_02
                      RQ_001_1009, RQ_001_1009
References:
-- ISF QE1, QE2 and EUT
with {    ((EUT and QE1 and QE2) using same Common_ID and
with {
                                  using_compatible_vocoders) and
                                  and using same colour code ) and
            EUT is polite to own CC and
            QE1 is transmitting to QE2
ensure that {
 when { EUT_User makes PTT_Call }
then { QE2_User does not receive PTT_Call from EUT }
  Pre-test conditions:
                      Select same RF channel for QE1, QE2 and EUT
                      Select same Common ID for QE1, QE2 and EUT
                      EUT configured to be polite to own colour code
        Step
                                                                                           Verdict
                                              Test Sequence
                                                                                                 Fail
                                                                                       Pass
                      Cause QE1 to make a voice call to QE2
                      Cause EUT to make a voice call to QE2 while QE1 is still transmitting
          2
                      Check if QE2 receives the voice call from EUT
          3
                                                                                        No
                                                                                                 Yes
Observations:
```

	Test D	Description		
Identifier:	TD_PMR_1010_01	Test Purpose: TP_PN	/IR_1010_0	1
Summary:	'Channel access when ISF imp	oolite'		
Roles:	ISF	Configuration: CF_ID	PMRISF_02	2
References:	RQ_001_1010, RQ_001_1010			
ISF QE1, QE2 and l				
	QE1 and QE2) using_compatib			
	QE2 using the same Common_I			
	QE1 not using the same Comm	non_ID) and		
	mpolite and			
QEI is to	ransmitting			
	akes PTT_Call } eceives PTT_Call from EUT }			
	CXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Pre-test conditions:	Select same RF channel for Q	•		
	Select same Common ID for Q	E1, QE2 and EU1		
	EUT configured to be impolite		_	
Step	Tes	st Sequence	Ver	dict
			Pass	Fail
1	Cause QE1 to make a voice ca	all to QE2		
2	Cause EUT to make a voice ca	all to QE2 while QE1 is still transmitting		
3	Check if QE2 receives the voice	e call from EUT	Yes	No
Observations:			•	•

```
Test Description
Identifier:
                      TD_PMR_1011_01
                                                        Test Purpose:
                                                                               TP_PMR_1011_01
Summary:
                      'Channel access when polite to own group and channel occupied by members of own
                      group'
                      CSF
                                                        Configuration:
                                                                               CF_IDPMRCSF_02
Roles:
                      RQ_001_1011, RQ_001_1011
References:
-- CSF QE1, QE2 and EUT
with { ((EUT and QE1 and QE2) using same colour_code ) and
with {
           ((EUT and QE1 and QE2) are 'member of same talkgroup') and
            EUT is polite_to_own_group and
            QE1 is transmitting to QE2
ensure that {
 when { EUT_User makes a Voice_Transmission to QE2} then { QE2_User receives Voice_Transmission from QE1} -- Indicating EUT does NOT transmit
   Pre-test conditions:
                      Select same RF channel for QE1, QE2 and EUT
                      QE1, QE2 and EUT are all members of the same talkgroup
                      EUT is configured to be polite to own talkgroup
        Step
                                              Test Sequence
                                                                                            Verdict
                                                                                        Pass
                                                                                                  Fail
                      Cause QE1 to make a voice call to QE2
                       Cause EUT to make a voice call to QE2 while QE1 is still transmitting
          2
          3
                       Check if QE2 receives the voice call from EUT
                                                                                         No
                                                                                                  Yes
Observations:
```

	Test F	escription		
Identifier:	TD_PMR_1012_01	*,	P_PMR_1012_0)1
Summary:	'Repeated acknowledgements	when RF channel is busy'		
Roles:	CSF	Configuration: CF	F_IDPMRCSF_	01
References:	RQ_001_1012, RQ_001_1012			
((EUT and (QE1 is tr) ensure that { when { QE2_User mathen { QE2_User re }	QE1 and QE2) using same col QE2) are 'member of same ta cansmitting akes a connect_request to E eceives 'no more than four'	.lkgroup') and UT} acknowledgement from EUT}		
Pre-test conditions:	Select same RF channel for Q	E1, QE2 and EUT		
Step		mmed with the same talkgroup add : Sequence	Verd	diat
Step	les	Sequence	Pass	Fail
1	Cause QE1 to make a voice ca	III to OE2	1 433	ı an
2	Cause QE2 to make a connec			
3		an four acknowledgement from EUT	Yes	No
4	QE2 receives all acknowledge		Yes	No
Observations:			•	•

	Test Descript	ion		
Identifier:	TD_PMR_1013_01	Test Purpose:	TP_PMR_1013	_01
Summary:	'Channel access when CSF polite to or	vn colour code'		
Roles:	CSF	Configuration:	CF_IDPMRCSF	_02
References:	RQ_001_1013			
CSF QE1, QE2 and	l EUT			
with $\{$ ((EUT and	m I QE1 and QE2) using the same colou:	_		
	using_compatible_voc			
	transmitting Voice_Transmission to	QE2		
EUT is	polite_to_own_CC			
} ensure that {				
	makes Voice Transmission addressed	to OE2}		
	does not receive Voice Transmission			
}				
,				
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	XXXXXXXXX		
Pre-test conditions:	Select same RF channel for QE1, QE2	and EUT		
	EUT is programmed with polite to own	CC channel access		
	Start a voice call between QE1 and QE	2		
Step	Test Sequence	e	Verd	dict
			Pass	Fail
1	Cause EUT to make a voice call to QE	-2		
2	QE2 does not receive the voice call fro	m EUT	Yes	No
Observations:				

	Tes	t Description		
ldentifier:	TD_PMR_1014_01	Test Purpose:	TP_PMR_101	4_01
Summary:	'Channel access when CSF	impolite'		-
Roles:	CSF	Configuration:	CF_IDPMRCS	SF_02
References:	RQ_001_1014			
CSF QE1, QE2 ar	nd EUT			
	nd QE1 and QE2) using_compat	_		
	s transmitting Voice_Transmi	ission to QE2 and		
EUT is	s impolite			
}				
ensure that { when { EUT Use:	v makog Vojgo Transmission :	addragged to OE2)		
	r makes Voice_Transmission a r receives Voice_Transmissio			
}	. receives voice_framsmissio	JI IIOM EOI }		
J				
xxxxxxxxxxxxx	************	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Pre-test conditions:	Select same RF channel for	QE1, QE2 and EUT		
	EUT is programmed with im	polite channel access		
	Select or enter a talkgroup a			
	Start a voice call between Q			
Step	Test	Sequence	Ver	dict
•		•	Pass	Fail
1	Cause EUT to make a voice	e call to QE2		
2	QE2 receives the voice call		Yes	No

End group 1.2

5.1.3 framing

Group 1.3 'Framing'

5.1.3.1 end frame

```
Group 1.3.1 'End frame'
-- No TP specified
End group 1.3.1
```

5.1.3.2 header frames

```
Group 1.3.2 'Header frames'
```

5.1.3.2.1 call information field

```
Group 1.3.2.1 'Call information field'
-- No TP specified
End group 1.3.2.1
End group 1.3.2
```

5.1.3.3 packet data frame

```
Group 1.3.3 'Packet data frame'
  -- No TP specified
End group 1.3.3
```

5.1.3.4 superframe

Group 1.3.4 'Superframe'

5.1.3.4.1 type 1 data

Group 1.3.4.1 'Type 1 data'

·	Test Desc	ription	·	•	
ldentifier:	TD_PMR_0807_01	Test Purpose:	TP_PMR_0807	_01	
Summary:	'Support receiving of type 1 ISF gr	oup short data message	s'		
Roles:	ISF	Configuration:	CF_IDPMRISF_	_01	
References:	RQ_001_0807, RQ_001_0807		<u>.</u>		
ISF QE1 and EUT	•				
with $\{$ (EUT and	QE1 using same Common_ID and				
	powersave_disabled) and				
EUT in	standby				
}					
ensure that {					
	sends a T1_Transmission to EUT	}			
then { EUT_User	receives the T1_Transmission }				
}					
xxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both 0	QE1 and EUT			
	Select same Common ID on both	QE1 and EUT			
Step	Test Sequ	ence	Verdi	Verdict	
•			Pass	Fail	
1	Cause QE1 to send a Type 1 data	message to EUT			
2	Check that EUT receives the data	message	Yes	No	
Observations:		-			

```
Test Description
Identifier:
                     TD_PMR_0807_02
                                                   Test Purpose:
                                                                        TP_PMR_0807_02
Summary:
                    'Support sending of type 1 ISF group short data messages'
Roles:
                                                   Configuration:
                    ISF
                                                                        CF_IDPMRISF_01
References:
                    RQ_001_0807
-- ISF QE1 and EUT
with {
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Transmission to QE1 }
 then { QE1 User receives the T1 Transmission }
 Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                     Select same Common ID on both QE1 and EUT
       Step
                                         Test Sequence
                                                                                   Verdict
                                                                              Pass
                                                                                         Fail
                     Cause EUT to send a Type 1 data message to QE1
                     Check that QE1 receives the data message
         2
                                                                               Yes
                                                                                         No
Observations:
```

	Test D	Description		
Identifier:	TD PMR 0807 03	Test Purpose:	TP_PMR_0	0807_03
Summary:	'Support receiving of type 1	CSF group short data message	es'	
Roles:	CSF	Configuration:	CF_IDPMR	CSF_01
References:	RQ_001_0807			
CSF QE1 and EUT	•			
with { (EUT and Q	El using same Group_ID ar powersave disabled) ar			
EUT in st				
}				
ensure that {				
when { QE1_User se	ends a T1_Transmission to	EUT }		
then { EUT_User re	eceives the T1_Transmiss	lon }		
}				
	xxxxxxxxxxxxxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel for			
	Select or enter EUT address	s on QE1		
Step	Test	Sequence	Ver	dict
•		•	Pass	Fail
1	Cause QE1 to send a Type	1 data message to EUT		
2	Check that EUT receives the		Yes	No
Observations:		<u> </u>	•	•

```
Test Description
Identifier:
                    TD_PMR_0807_04
                                                   Test Purpose:
                                                                        TP_PMR_0807_04
Summary:
                    'Support sending of type 1 CSF group short data messages'
Roles:
                    CSF
                                                   Configuration:
                                                                        CF_IDPMRCSF_01
References:
                    RQ_001_0807
-- CSF QE1 and EUT
with {
         (EUT and QE1 using same Group_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Transmission to QE1 }
 then { QE1 User receives the T1 Transmission }
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    Select or enter QE1 address on EUT
       Step
                                          Test Sequence
                                                                                      Verdict
                                                                                             Fail
                                                                                 Pass
         1
                    Cause EUT to send a Type 1 data message to QE1
                    Check that QE1 receives the data message
                                                                                 Yes
         2
                                                                                             No
Observations:
```

	Test	t Description		
Identifier:	TD_PMR_0810_01	Test Purpose:	TP_PMR_0810_	01
Summary:	'Support of type 1 individual:	short data messages'	<u>.</u>	
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0810			
EUT in so } ensure that { when { QE1_User of then { EUT_User of the put o	QE1 powersave_disabled) and tandby sends a T1_Transmission ad receives the T1_Transmissi	dressed to EUT } on }		
Pre-test conditions:	Select same RF channel for Select or enter EUT address			
Step	Tes	st Sequence	Ver	dict
•		-	Pass	Fail
1	Cause QE1 to send a Type 1	1 data message to EUT		
2	Check that EUT receives the		Yes	No
Observations:				

```
Test Description
Identifier:
                                                                            TP_PMR_0810_02
                      TD_PMR_0810_02
                                                      Test Purpose:
Summary:
                      'Support sending of type 1 CSF individual short data messages'
Roles:
                                                      Configuration:
                                                                            CF_IDPMRCSF_01
                      CSF
References:
                     RQ_001_0810
-- CSF QE1 and EUT
with {
          (EUT and QE1 with powersave_disabled) and
           QE1 in standby
ensure that {
 when { EUT_User sends a T1_Transmission addressed to QE1 } then { QE1_User receives the T1_Transmission }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter QE1 address on EUT
                                                                                          Verdict
        Step
                                             Test Sequence
                                                                                      Pass
                                                                                                  Fail
         1
                      Cause EUT to send a Type 1 data message to QE1
                      Check that QE1 receives the data message
                                                                                       Yes
                                                                                                  No
Observations:
```

	Test Descri	ption			
Identifier:	TD_PMR_0831_01	Test Purpose:	TP_PM	R_0831_0	1
Summary:	'Support receiving of type 1 ISF group	data status messages'			
Roles:	ISF	Configuration:	CF_IDF	MRISF_0	
References:	RQ_001_0831, RQ_001_0831				
ISF QE1 and EUT with { (EUT and QE	l using same Common_ID and				
EUT in sta	powersave_disabled) and ndby				
	nds a T1_Status_Message to EUT ceives the T1_Status_Message }	}			
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE Select same Common ID for both QE				
Step	Test Sequ	ence		Ver	dict
				Pass	Fail
1	Cause QE1 to send a Type 1 data sta	atus message to EUT			
2	Check that EUT receives the data sta	tus message		Yes	No
Observations:					•

```
Test Description
Identifier:
                       TD_PMR_0831_02
                                                         Test Purpose:
                                                                                TP_PMR_0831_02
Summary:
                       'Support sending of type 1 ISF group data status messages'
                                                         Configuration:
Roles:
                      ISF
                                                                                CF_IDPMRISF_01
References:
                      RQ_001_0831, RQ_001_0831
-- ISF QE1 and EUT with { (EUT and
          (EUT and QE1 using same Common_ID and
                        powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Status_Message to QE1 }
  then { QE1_User receives the T1_Status_Message }
 Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
        Step
                                                                                             Verdict
                                               Test Sequence
                                                                                        Pass
                                                                                                    Fail
          1
                       Cause EUT to send a Type 1 data status message to QE1
                       Check that QE1 receives the data status message
                                                                                         Yes
          2
                                                                                                    No
Observations:
```

	Test Desc	ription		
Identifier:	TD_PMR_0831_03	Test Purpose:	TP_PMR_0831_	03
Summary:	'Support receiving of type 1 CSF grown	up data status message	s'	
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0831			
EUT in sta } ensure that { when { QE1_User se	In using same Group_ID and powersave_disabled) and andby ands a T1_Status_Message to EUT aceives the T1_Status_Message }	}		
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE Select or enter a talkgroup address of			
Step	Test Seque	nce	Vei	rdict
			Pass	Fail
1	Cause QE1 to send a Type 1 data st	atus message to EUT		
2	Check that EUT receives the data sta	atus message	Yes	No
Observations:				

```
Test Description
Identifier:
                      TD_PMR_0831_04
                                                        Test Purpose:
                                                                              TP_PMR_0831_04
Summary:
                      'Support sending of type 1 CSF group data status messages'
Roles:
                                                        Configuration:
                      CSF
                                                                              CF_IDPMRCSF_01
References:
                      RQ_001_0831
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T1_Status_Message to QE1 }
  then { QE1_User receives the T1_Status_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter a talkgroup address of QE1 on EUT
        Step
                                              Test Sequence
                                                                                            Verdict
                                                                                       Pass
                                                                                                   Fail
          1
                      Cause EUT to make a Type 1 data status message to QE1
                      Check that QE1 receives the data status message
          2
                                                                                       Yes
                                                                                                   No
Observations:
```

	Test Desci	iption					
Identifier:	TD_PMR_0832_01	Test Purpose:	P_PMR_0832_0	1			
Summary:	'Support receiving of type 1 ISF group	oport receiving of type 1 ISF group data precoded messages'					
Roles:	ISF	Configuration:	_IDPMRISF_01				
References:	RQ_001_0832, RQ_001_0832						
EUT in sta } ensure that { when { QE1_User se	I using same Common_ID and powersave_disabled) and ndby ands a T1_Precoded_Data_Message oceives the T1_Precoded_Data_Mes						
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx						
Pre-test conditions:	Select same RF channel for both QE Select same Common ID on both QE Select a precoded message on QE1						
Step Test Sequence Verdict				dict			
			Pass	Fail			
1	Cause QE1 to send a Type 1 data pro	ecoded message to EUT					
2	Check that EUT receives the precode	d data message	Yes	No			
Observations:		·	·				

```
Test Description
Identifier:
                    TD_PMR_0832_02
                                                   Test Purpose:
                                                                        TP_PMR_0832_02
Summary:
                    'Support sending of type 1 ISF group data precoded messages'
                                                   Configuration:
                                                                       CF_IDPMRISF_01
Roles:
                    ISF
References:
                    RQ_001_0832, RQ_001_0832
-- ISF QE1 and EUT
with {
         (EUT and QE1 using same Common_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
 when { EUT_User sends a T1_Precoded_Data_Message to QE1 }
       { QE1 User receives the T1 Precoded Data Message }
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    Select same Common ID on both QE1 and EUT
                    Select a precoded message on EUT
                                                                                      Verdict
       Step
                                          Test Sequence
                                                                                 Pass
                                                                                            Fail
         1
                    Cause EUT to send a Type 1 data precoded message to EUT
         2
                    Check that QE1 receives the precoded data message
                                                                                 Yes
                                                                                            No
Observations:
```

	Te	est Description				
ldentifier:	TD_PMR_0832_03	Test Purpose:	TP_PM	IR_0832_03		
Summary:	'Support receiving of type 1	CSF group data precoded mess	ages'			
Roles:	CSF	Configuration:	CF_IDF	PMRCSF_01		
References:	RQ_001_0832					
CSF QE1 and EUT						
with $\{$ (EUT and	QE1 using same Group_ID ar	nd				
	powersave_disabled) ar	nd				
EUT in s	tandby					
}						
ensure that {						
	sends a T1_Precoded_Data_M					
then { EUT_User	receives the T1_Precoded_D	Data_Message }				
}						
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					
Pre-test conditions:	Select same RF channel for					
	Select or enter a talkgroup a	iddress of EUT on QE1				
	Select a precoded message	on QE1				
Step	T	est Sequence		Ver	Verdict	
•		•		Pass	Fail	
1	Cause QE1 to send a Type	1 data precoded message to EU	JT			
2	Check that EUT receives the			Yes	No	
Observations:				•	•	

	Т	est Description		
Identifier:	TD_PMR_0832_04	Test Purpose:	TP_PMR_0832_0)4
Summary:	'Support sending of type 1	CSF group data precoded mess	ages'	
Roles:	CSF	Configuration:	CF_IDPMRCSF_	01
References:	RQ_001_0832			
QE1 in st } ensure that { when { EUT_User s	DE1 using same Group_ID powersave_disabled) candby sends a T1_Precoded_Data receives the T1_Precoded	and Message to QE1 }		
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel f Select or enter a talkgroup Select a precoded message	address of QE1 on EUT		
Step		Test Sequence	Ve	rdict
			Pass	Fail
1	Cause EUT to send a Typ	e 1 data precoded message to C)E1	
2	Check that QE1 receives	the precoded data message	Yes	No
Observations:				

	7	est Description			
Identifier:	TD_PMR_0833_01	Test Purpose:	TP_PM	IR_0833_01	
Summary:	'Support receiving of type 1	ISF group data free text messag	es'		
Roles:	ISF	Configuration:	CF_IDF	PMRISF_01	
References:	RQ_001_0833, RQ_001_0	833			
ISF QE1 and EUT					
with $\{$ (EUT and \emptyset	E1 using same Common_ID				
	powersave_disabled) a	and			
EUT in st	andby				
}					
ensure that {		Manager to DITTE			
	sends a T1_Freetext_Data_				
then { EUT_User i	receives the T1_Freetext_	_Data_Message }			
j					
xxxxxxxxxxxxxx	·×××××××××××××××××××××××××××××××××××××	······································			
Pre-test conditions:	Select same RF channel for	r both QE1 and EUT			
	Select same Common ID for	or both QE1 and EUT			
	Enter a free text message	on QE1			
Step	3	Test Sequence		Ver	dict
•		·		Pass	Fail
1	Cause QE1 to send a Type	1 data free text message to EUT	-		
2	Check that EUT receives the			Yes	No
Observations:		V		•	•

```
Test Description
Identifier:
                       TD_PMR_0833_02
                                                         Test Purpose:
                                                                               TP_PMR_0833_02
Summary:
                      'Support sending of type 1 ISF group data free text messages'
                                                        Configuration:
                                                                               CF_IDPMRISF_01
Roles:
                      ISF
References:
                      RQ_001_0833, RQ_001_0833
-- ISF QE1 and EUT with { (EUT and
          (EUT and QE1 using same Common_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T1_Freetext_Data_Message to QE1 }
then { QE1_User receives the T1_Freetext_Data_Message }
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
                       Enter a free text message on EUT
                                                                                            Verdict
        Step
                                              Test Sequence
                                                                                        Pass
                                                                                                   Fail
          1
                       Cause EUT to send a Type 1 data free text message to QE1
          2
                       Check that QE1 receives the free text message
                                                                                        Yes
                                                                                                    No
Observations:
```

	To	est Description			
Identifier:	TD_PMR_0833_03	Test Purpose:	TP_P	PMR_0833_0	3
Summary:	'Support receiving of type 1	CSF group data free text messag	es'		
Roles:	CSF	Configuration:	CF_II	DPMRCSF_0)1
References:	RQ_001_0833				
CSF QE1 and EUT					
with $\{$ (EUT and Q)	E1 using same Group_ID a				
	powersave_disabled) a	and			
EUT in sta	andby				
}					
ensure that {		Manager to DIM)			
	ends a T1_Freetext_Data_				
then { Eur_user r	eceives the T1_Freetext_	_Data_Message }			
ſ					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	······································			
Pre-test conditions:	Select same RF channel for	or both QE1 and EUT			
	Select or select a talkgroup	address of EUT on QE1			
	Enter a free text message				
Step		Test Sequence		Ver	dict
•		•		Pass	Fail
1	Cause QE1 to send a Type	1 data free text message to EUT			
2	Check that EUT receives the			Yes	No
Observations:		9		•	•

```
Test Description
Identifier:
                     TD_PMR_0833_04
                                                   Test Purpose:
                                                                         TP_PMR_0833_04
Summary:
                     'Support sending of type 1 CSF group data free text messages'
                    CSF
                                                   Configuration:
                                                                        CF_IDPMRCSF_01
Roles:
References:
                    RQ_001_0833
-- CSF QE1 and EUT
with {
         (EUT and QE1 using same Group_ID and
                      powersave_disabled) and
          QE1 in standby
    }
ensure that {
 when { EUT_User sends a T1_Freetext_Data_Message to QE1 }
       { QE1 User receives the T1 Freetext Data Message }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter a talkgroup address of QE1 on EUT
                     Enter a free text message on EUT
                                                                                      Verdict
       Step
                                          Test Sequence
                                                                                 Pass
                                                                                             Fail
         1
                     Cause EUT to send a Type 1 data free text message to QE1
         2
                     Check that QE1 receives the free text message
                                                                                  Yes
                                                                                             No
Observations:
```

	Test Description					
Identifier:	TD_PMR_0834_01 Test Purpose: TP_F	PMR_0834_0				
Summary:	'Support receiving of type 1 ISF group data short file transfer'					
Roles:	ISF Configuration: CF_I	DPMRISF_01				
References:	RQ_001_0834, RQ_001_0834					
EUT in st } ensure that { when { QE1_User m then { EUT_User r }	E1 using same Common_ID and powersave_disabled) and andby akes a T1_Short_File_Transfer to EUT } eceives the T1_Short_File_Transfer }					
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select same Common ID for both QE1 and EUT Interface QE1 to the data file source equipment Interface EUT to the data file receiving equipment					
Step	Test Sequence	Ver	dict			
-	·	Pass	Fail			
1	Cause QE1 to make a Type 1 data short file transfer to EUT					
2	Check that EUT receives and outputs the data file to the receiving equipment	Yes	No			
Observations:						

```
Test Description
Identifier:
                       TD_PMR_0834_02
                                                          Test Purpose:
                                                                                 TP_PMR_0834_02
Summary:
                       'Support sending of type 1 ISF group data short file transfer'
Roles:
                                                         Configuration:
                       ISF
                                                                                CF_IDPMRISF_01
References:
                       RQ_001_0834, RQ_001_0834
-- ISF QE1 and EUT with { (EUT and
           (EUT and QE1 using same Common_ID and
                         powersave_disabled) and
            QE1 in standby
     }
ensure that {
        { EUT_User makes a T1_Short_File_Transfer to QE1 } { QE1_User receives the T1_Short_File_Transfer }
  when
   Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
                       Interface EUT to the data file source equipment
                       Interface QE1 to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                              Verdict
                                                                                         Pass
                                                                                                     Fail
                       Cause EUT to make a Type 1 data short file transfer to QE1
                       Check that QE1 receives and outputs the data file to the receiving
          2
                                                                                          Yes
                                                                                                      No
                       equipment
Observations:
```

Test Description						
Identifier:	TD_PMR_0834_03	Test Purpose:	P_PMR_0834_03	3		
Summary:	'Support receiving of type 1 CSF gro	oup data short file transfer'				
Roles:	CSF	Configuration: CF	_IDPMRCSF_0	1		
References:	RQ_001_0834					
CSF QE1 and EUT with { (EUT and Q	El using same Group ID and					
	powersave_disabled) and					
EUT in st	andby					
	akes a T1_Short_File_Transfer t eceives the T1_Short_File_Trans					
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
Pre-test conditions:	Select same RF channel for both QI Select or enter a talkgroup address Interface QE1 to the data file source Interface EUT to the data file receiving	of EUT on QE1 equipment				
Step	Test Seq	uence	Vei	dict		
			Pass	Fail		
1	Cause QE1 to make a Type 1 data s	short file transfer to EUT				
2	Check that EUT receives and output equipment	s the data file to the receiving	Yes	No		
Observations:	Cquipment					

	Test Description			
dentifier:	TD_PMR_0834_04 Test Purpose:	TP_	PMR_0834_	04
Summary:	'Support sending of type 1 CSF group data short file transfe	r'		
Roles:	CSF Configuration:	CF_	IDPMRCSF	_01
References:	RQ_001_0834			
QE1 in s } ensure that { when { EUT_User	makes a T1_Short_File_Transfer to QE1 } receives the T1_Short_File_Transfer }			
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select or enter a talkgroup address of QE1 on EUT Interface EUT to the data file source equipment Interface QE1 to the data file receiving equipment			
Step	Test Seguence		Ver	dict
•	·		Pass	Fail
1	Cause EUT to make a Type 1 data short file transfer to QE	1		
2	Check that QE1 receives and outputs the data file to the receive equipment	eiving	Yes	No
Observations:				

End group 1.3.4.1

5.1.3.4.2 type 2 data

Group 1.3.4.2 'Type 2 data'

Test Description							
Identifier:	TD_PMR_0806_01	Test Purpose:	TP_PMR_0806_	_01			
Summary:	'Support receiving of type 2 group	Support receiving of type 2 group short data messages'					
Roles:	ISF	Configuration:	CF_IDPMRISF_	01			
References:	RQ_001_0806, RQ_001_0806						
EUT in sta } ensure that { when { QE1_User se	<pre>1 using same Common_ID and powersave_disabled) and ndby nds a T2_Transmission to EUT ceives the T2_Transmission }</pre>	}					
xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx					
Pre-test conditions:	Select same RF channel for both C Select same Common ID on both C	E1 and EUT					
Step	Test Seque	ence	Verd	lict			
			Pass	Fail			
1	Cause QE1 to send a Type 2 data	message to EUT					
2	Check that EUT receives the data i	nessage	Yes	No			
Observations:							

```
Test Description
Identifier:
                      TD_PMR_0806_02
                                                       Test Purpose:
                                                                             TP_PMR_0806_02
Summary:
                      'Support sending of type 2 group short data messages'
Roles:
                                                       Configuration:
                      ISF
                                                                             CF_IDPMRISF_01
References:
                      RQ_001_0806
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common_ID and
                       powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Transmission to QE1 }
  then { QE1_User receives the T2_Transmission }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
        Step
                                           Test Sequence
                                                                                         Verdict
                                                                                  Pass
                                                                                                 Fail
          1
                      Cause EUT to send a Type 2 data message to QE1
                      Check that QE1 receives the data message
                                                                                   Yes
          2
                                                                                                  No
Observations:
```

	Tes	t Description		
Identifier:	TD_PMR_0806_03	Test Purpose:	TP_PMR_0806	_03
Summary:	'Support receiving of type 2 C	SF group short data messag	es'	
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0806		<u>.</u>	
CSF QE1 and EUT	•			
with { (EUT and (E1 using same Group_ID and	d		
	powersave_disabled) and	d		
EUT in st	andby			
}				
ensure that {				
	sends a T2_Transmission to			
then { EUT_User n	receives the T2_Transmission	on }		
}				
	Calact came DE about alfaul			
Pre-test conditions:	Select same RF channel for I			
	Select or enter EUT address	on QE1		
Step	Test	Sequence	Verd	dict
			Pass	Fail
1	Cause QE1 to send a Type 2	data message to EUT		
2	Check that EUT receives the	9	Yes	No
Observations:			•	•

```
Test Description
Identifier:
                      TD_PMR_0806_04
                                                       Test Purpose:
                                                                             TP_PMR_0806_04
Summary:
                      'Support sending of type 2 CSF group short data messages'
Roles:
                                                       Configuration:
                                                                             CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0806
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                       powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Transmission to QE1 }
  then { QE1_User receives the T2_Transmission }
 Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter address for QE1 on EUT
                                                                                            Verdict
        Step
                                              Test Sequence
                                                                                       Pass
                                                                                                   Fail
                      Cause EUT to send a Type 2 data message to QE1
                      Check QE1 receives the data message
                                                                                        Yes
                                                                                                   No
Observations:
```

	To	est Description			
Identifier:	TD_PMR_0809_01				
Summary:	'Support receiving of type 2 (CSF individual short data mes	sages'		
Roles:	CSF	Configuration:	CF_IDF	MRCSF_01	
References:	RQ_001_0809	· .			
EUT in st } ensure that { when { QE1_User so then { EUT_User so }	PEI with powersave_disable andby sends a T2_Transmission ad seceives the T2_Transmissi	dressed to EUT } on }			
Pre-test conditions:	Select same RF channel for Select or enter EUT address				
Step	Т	est Sequence		Verdict	
-				Pass	Fail
1	Cause QE1 to send a Type 2	2 data message to EUT			
2	Check that EUT receives the	data message		Yes	No
Observations:					

```
Test Description
Identifier:
                     TD_PMR_0809_02
                                                      Test Purpose:
                                                                           TP_PMR_0809_02
Summary:
                     'Support sending of type 2 CSF individual short data messages'
Roles:
                                                      Configuration:
                                                                           CF_IDPMRCSF_01
                     CSF
References:
                     RQ_001_0809
-- CSF QE1 and EUT
with {
          (EUT and QE1 with powersave_disabled) and
           QE1 in standby
ensure that {
        { EUT_User sends a T2_Transmission addressed to QE1 } { QE1_User receives the T2_Transmission }
  when
  then
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter QE1 address on EUT
                                                                                         Verdict
        Step
                                            Test Sequence
                                                                                     Pass
                                                                                                Fail
                     Cause EUT to send a Type 2 data message to QE1
         1
         2
                     Check that QE1 receives the data message
                                                                                      Yes
                                                                                                No
Observations:
```

	Test	Description		
dentifier:	TD_PMR_0825_01	Test Purpose:	TP_PMR_0825_0	1
Summary:	'Support receiving of type 2 IS	SF group data status messages'	•	
Roles:	ISF	Configuration:	CF_IDPMRISF_0	1
References:	RQ_001_0825, RQ_001_082	5		
powersav EUT in s } ensure that { when { QE1_User	QE1 using same Common_ID ar re_disabled) and standby sends a T2_Status_Message t receives the T2_Status_Mess	o eut }		
xxxxxxxxxxxxxx	·×××××××××××××××××××××××××××××××××××××	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for be Select same Common ID on be			
Step	Tes	st Sequence	Ver	dict
-			Pass	Fail
1	Cause QE1 to send a Type 2	data status message to EUT		
2	Check that EUT receives the		Yes	No
Observations:		-		

```
Test Description
Identifier:
                      TD_PMR_0825_02
                                                        Test Purpose:
                                                                               TP_PMR_0825_02
Summary:
                      'Support sending of type 2 ISF group data status messages'
Roles:
                                                        Configuration:
                      ISF
                                                                               CF_IDPMRISF_01
References:
                      RQ_001_0825, RQ_001_0825
-- ISF QE1 and EUT
with {
           (EUT and QE1 using same {\tt Common\_ID} and
          powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Status_Message to QE1 }
  then { QE1_User receives the T2_Status_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
        Step
                                               Test Sequence
                                                                                             Verdict
                                                                                         Pass
                                                                                                     Fail
          1
                      Cause EUT to send a Type 2 data status message to QE1
                      Check that QE1 receives the data status message
          2
                                                                                          Yes
                                                                                                     No
Observations:
```

	Te	est Description			
dentifier:	TD_PMR_0825_03	Test Purpose:	TP_PMF	R_0825_03	
Summary:	'Support receiving of type 2	CSF group data status message	s'		
Roles:	CSF	Configuration:	CF_IDP	MRCSF_01	
References:	RQ_001_0825				
powersave EUT in st } ensure that { when { QE1_User s	E1 using same Group_ID and_disabled) and andby ends a T2_Status_Message eceives the T2_Status_Mes	to EUT }			

Pre-test conditions:	Select same RF channel for				
Cton	Select or enter a talkgroup a		Т	\/	J! _ 4
Step	·	Test Sequence		Ver	
				Pass	Fail
1	Cause QE1 to send a Type	2 data status message to EUT			
2	Check that EUT receives the	e data status message		Yes	No
Observations:					

```
Test Description
Identifier:
                     TD_PMR_0825_04
                                                    Test Purpose:
                                                                          TP_PMR_0825_04
Summary:
                     'Support sending of type 2 CSF group data status messages'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_0825
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same {\tt Group\_ID} and
          powersave_disabled) and
          QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Status_Message to QE1 }
 then { QE1 User receives the T2 Status Message }
  Select same RF channel for both QE1 and EUT
Pre-test conditions:
                     Select or enter a talkgroup address of QE1 on EUT
       Step
                                            Test Sequence
                                                                                        Verdict
                                                                                   Pass
                                                                                               Fail
         1
                     Cause EUT to send a Type 2 data status message to QE1
                     Check that QE1 receives the data status message
                                                                                    Yes
         2
                                                                                               No
Observations:
```

Test Description							
Identifier:	TD_PMR_0827_01	Test Purpose:	TP_PM	R_0827_01			
Summary:	'Support receiving of type 2 ISF	support receiving of type 2 ISF group data precoded messages'					
Roles:	ISF	Configuration:	CF_IDF	MRISF_01			
References:	RQ_001_0827, RQ_001_0827	•					
powersave EUT in standard } ensure that { when { QE1_User so	E1 using same Common_ID and _disabled) and andby ends a T2_Precoded_Data_Mess eceives the T2_Precoded_Data						
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx						
Pre-test conditions:	Select same RF channel for both Select same Common ID on both Select a precoded message on C	n QE1 and EUT					
Step	<u> </u>			dict			
				Pass	Fail		
1	Cause QE1 to send a Type 2 pre	ecoded data message to E	UT				
2	Check that EUT receives the pre	coded data message		Yes	No		
Observations:				•			

```
Test Description
Identifier:
                      TD_PMR_0827_02
                                                        Test Purpose:
                                                                               TP_PMR_0827_02
Summary:
                      'Support sending of type 2 ISF group data precoded messages'
Roles:
                                                        Configuration:
                                                                               CF_IDPMRISF_01
                      ISF
References:
                      RQ_001_0827, RQ_001_0827
-- ISF QE1 and EUT
with {
          (EUT and QE1 using same Common_ID and
           powersave_disabled) and
           QE1 in standby
    }
ensure that {
  when { EUT_User sends a T2_Precoded_Data_Message to QE1 }
  then { QE1_User receives the T2_Precoded_Data_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select same Common ID on both QE1 and EUT
                      Select a precoded data message on EUT
                                              Test Sequence
                                                                                             Verdict
        Step
                                                                                         Pass
                                                                                                    Fail
                      Cause EUT to send a Type 2 precoded data message to QE1
          1
          2
                      Check that QE1 receives the precoded data message
                                                                                         Yes
                                                                                                    No
Observations:
```

	Tes	st Description			
Identifier:	TD_PMR_0827_03	Test Purpose:	TP_F	PMR_0827_03	
Summary:	'Support receiving of type 2 C	SF group data precoded mess	ages'		
Roles:	CSF	Configuration:	CF_I	DPMRCSF_01	
References:	RQ_001_0827				
CSF QE1 and EUT					
with { (EUT and QE	E1 using same Group_ID and				
	powersave_disabled) and	l			
EUT in sta	andby				
}					
ensure that {		1			
	ends a T2_Precoded_Data_Me				
then { EUT_User re	eceives the T2_Precoded_Da	ita_Message }			
}					
xxxxxxxxxxxxxxxx	************	*******			
Pre-test conditions:	Select same RF channel for b	ooth QE1 and EUT			
	Select or enter a talkgroup ad				
	Select a precoded message of				
Step		est Sequence		Ver	dict
Cicp		.st ocquence		Pass	Fail
	0	annual data managari (EU	_	F d 5 5	ган
1	*'	precoded data message to EU	I		
2	Check that EUT receives the	precoded data message		Yes	No
Observations:					

```
Test Description
Identifier:
                      TD_PMR_0827_04
                                                        Test Purpose:
                                                                               TP_PMR_0827_04
Summary:
                      'Support sending of type 2 CSF group data precoded messages'
Roles:
                                                        Configuration:
                                                                               CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0827
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Precoded_Data_Message to QE1 }
  then { QE1_User receives the T2_Precoded_Data_Message }
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      Select or enter a talkgroup address for QE1 on EUT
                       Select a precoded message on EUT
                                                                                             Verdict
        Step
                                               Test Sequence
                                                                                         Pass
                                                                                                     Fail
                       Cause EUT to send a Type 2 precoded data message to QE1
          1
          2
                       Check that QE1 receives the precoded data message
                                                                                          Yes
                                                                                                     No
Observations:
```

Test Description						
Identifier:	TD_PMR_0829_01	Test Purpose:	TP_P	MR_0829_01		
Summary:	'Support receiving of type 2 ISF grou	p data free text messag	es'			
Roles:	ISF	Configuration:	CF_IE	DPMRISF_01		
References:	RQ_001_0829, RQ_001_0829					
ISF QE1 and EUT						
with { (EUT and QE	l using same Common_ID and					
EUT in sta	powersave_disabled) and ndbv					
}	1					
ensure that {						
	nds a T2_Freetext_Data_Message					
then { EUT_User re	ceives the T2_Freetext_Data_Me	ssage }				
}						
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx				
Pre-test conditions:	Select same RF channel for both QE	1 and EUT				
	Select same Common ID for both QI	E1 and EUT				
	Enter a free text message on QE1					
Step	Test Sequence			Verd	Verdict	
				Pass	Fail	
1	Cause QE1 to send a Type 2 data fr	ee text message to EUT				
2	Check that EUT receives the data te	xt message		Yes	No	
Observations:						

```
Test Description
Identifier:
                       TD_PMR_0829_02
                                                         Test Purpose:
                                                                               TP_PMR_0829_02
Summary:
                      'Support sending of type ISF 2 group data free text messages'
Roles:
                                                        Configuration:
                                                                               CF_IDPMRISF_01
                      ISF
References:
                      RQ_001_0829, RQ_001_0829
-- ISF QE1 and EUT with { (EUT and
          (EUT and QE1 using same Common_ID and
                        powersave_disabled) and
     }
ensure that {
  when { EUT_User sends a T2_Freetext_Data_Message to QE1 }
then { QE1_User receives the T2_Freetext_Data_Message }
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
                       Enter a free text message on EUT
                                                                                            Verdict
        Step
                                              Test Sequence
                                                                                        Pass
                                                                                                   Fail
          1
                       Cause EUT to send a Type 2 data free text message to QE1
          2
                       Check that QE1 receives the data text message
                                                                                        Yes
                                                                                                    No
Observations:
```

	T	est Description			
Identifier:	TD_PMR_0829_03	Test Purpose:	TP_F	PMR_0829_0	3
Summary:	'Support receiving of type 2 CSF group data free text messages'				
Roles:	CSF	Configuration:	CF_I	DPMRCSF_C)1
References:	RQ_001_0829				
CSF QE1 and EUT					
with $\{$ (EUT and Q	E1 using same Group_ID a				
	powersave_disabled) a	and			
EUT in st	andby				
}					
ensure that {					
	ends a T2_Freetext_Data_				
then { EUT_User r	eceives the T2_Freetext __	_Data_Message }			
}					
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	·×××××××××××××××××××××××××××××××××××××			
Pre-test conditions:	Select same RF channel for	or both QE1 and EUT			
	Select or enter a talkgroup address for EUT on QE1				
	Enter a free text message	on QE1			
Step	Test Sequence		Verdict		
		-		Pass	Fail
1	Cause QE1 to send a Type	2 data free text message to EUT			
2	Check that EUT receives the			Yes	No
Observations:		<u> </u>		•	•

```
Test Description
Identifier:
                       TD_PMR_0829_04
                                                         Test Purpose:
                                                                                TP_PMR_0829_04
Summary:
                       'Support sending of type 2 CSF group data free text messages'
Roles:
                                                         Configuration:
                                                                                CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_0829
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
  when { EUT_User sends a T2_Freetext_Data_Message to QE1 }
  then { QE1_User receives the T2_Freetext_Data_Message }
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter a talkgroup address for QE1 on EUT
                       Enter a free text message on EUT
                                                                                              Verdict
        Step
                                              Test Sequence
                                                                                                     Fail
                                                                                         Pass
                       Cause EUT to send a Type 2 data free text message to QE1
          1
          2
                       Check that QE1 receives the data text message
                                                                                          Yes
                                                                                                      No
Observations:
```

Test Description					
Identifier:	TD PMR 0830 01	-	P PMR 0830	01	
Summary:	'Support receiving of type 2 ISF grou				
Roles:	ISF		F IDPMRISF	01	
References:	RQ_001_0830, RQ_001_0830	3		* -	
ISF QE1 and EUT	,				
,	Il using same Common_ID and powersave_disabled) and				
EUT in standby } ensure that { when { QE1_User makes a T2_Short_File_Transfer to EUT } then { EUT_User receives the T2_Short_File_Transfer } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					
	Interface QE1 to the data file source Interface EUT to the data file receiving				
Step	Test Sequence		,	Verdict	
			Pass	Fail	
1	Cause QE1 to make a Type 2 data s	hort file transfer to EUT			
2	Check that EUT receives and output equipment		y Yes	NO	
Observations:					

```
Test Description
Identifier:
                       TD_PMR_0830_02
                                                          Test Purpose:
                                                                                 TP_PMR_0830_02
Summary:
                       'Support sending of type 2 ISF group data short file transfer'
Roles:
                                                          Configuration:
                                                                                 CF_IDPMRISF_01
References:
                       RQ_001_0830, RQ_001_0830
-- ISF QE1 and EUT
with {
           (EUT and QE1 using same Common_ID and
                         powersave_disabled) and
            QE1 in standby
     }
ensure that {
  when { EUT_User makes a T2_Short_File_Transfer to QE1 }
  then { QE1_User receives the T2_Short_File_Transfer }
   Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select same Common ID for both QE1 and EUT
                       Interface EUT to the data file source equipment
                       Interface QE1 to the data file receiving equipment
        Step
                                                Test Sequence
                                                                                                Verdict
                                                                                           Pass
                                                                                                       Fail
                       Cause EUT to make a Type 2 data short file transfer to QE1
                       Check that QE1 receives and outputs the data file to the receiving
          2
                                                                                            Yes
                                                                                                        No
                       equipment
Observations:
```

	Test Descript	on			
dentifier:	TD_PMR_0830_03 T	est Purpose: TP_	TP_PMR_0830_03		
Summary:	'Support receiving of type 2 CSF group data short file transfer'				
Roles:	CSF C	onfiguration: CF_	CF_IDPMRCSF_01		
References:	RQ_001_0830				
EUT in s } ensure that { when { QE1_User	QE1 using same Group_ID and powersave_disabled) and tandby makes a T2_Short_File_Transfer to E receives the T2_Short_File_Transfer				
- xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxx			
Pre-test conditions:	Select same RF channel for both QE1 a Select or enter a talkgroup address for I Interface QE1 to the data file source eq Interface EUT to the data file receiving	EUT on QE1 lipment			
Step	Test Sequence		Ver	Verdict	
	-		Pass	Fail	
1	Cause QE1 to make a Type 2 short data	file transfer to EUT			
2	Check that EUT receives and outputs the equipment	e data file to the receiving	Yes	No	
Observations:		•			

```
Test Description
Identifier:
                       TD_PMR_0830_04
                                                        Test Purpose:
                                                                               TP_PMR_0830_04
Summary:
                       'Support sending of type 2 CSF group data short file transfer'
Roles:
                                                         Configuration:
                      CSF
                                                                               CF_IDPMRCSF_01
References:
                      RQ_001_0830
-- CSF QE1 and EUT
with {
          (EUT and QE1 using same Group_ID and
                        powersave_disabled) and
           QE1 in standby
     }
ensure that {
        { EUT_User makes a T2_Short_File_Transfer to QE1 } { QE1_User receives the T2_Short_File_Transfer }
  when
   Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter a talkgroup address of QE1 on EUT
                       Interface EUT to the data file source equipment
                       Interface QE1 to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                              Verdict
                                                                                          Pass
                                                                                                     Fail
                       Cause EUT to make a Type 2 data short file transfer to QE1
          2
                       Check that QE1 receives and outputs the data file to the receiving
                                                                                          Yes
                                                                                                      No
                       equipment
Observations:
```

End group 1.3.4.2

5.1.3.4.3 voice

Group 1.3.4.3 'Voice'

	Te	st Description			
dentifier:	TD_PMR_0801_01	Test Purpose:	TP_PI	MR_0801_01	
Summary:	'A radio can be called by anot	her'			
Roles:	ISF	Configuration:	CF_ID	PMRISF_01	
References:	RQ_001_0801, RQ_001_080	1	-		
EUT in standard in	QE1 using same Common_ID a powersave_disabled and using_compatible_vocod andby akes a PTT_Call to EUT } eceives the PTT_Call }				
·- xxxxxxxxxxxxxx	**********	xxxxxxxxxxxxxx			
Pre-test conditions:	Select same RF channel and	Common ID for both QE1 and	d EUT		
Step	Tes	st Sequence		Verd	
				Pass	Fail
1	Cause QE1 to make a PTT ca	II to EUT			
2	EUT receives the PTT call	·		Yes	No
Observations:					

```
Test Description
Identifier:
                    TD_PMR_0801_02
                                                 Test Purpose:
                                                                      TP_PMR_0801_02
Summary:
                    'A radio can call another'
                                                 Configuration:
Roles:
                    ISF
                                                                     CF_IDPMRISF_02
References:
                   RQ_001_0801
-- ISF QE1 and EUT
with {
         (EUT and QE1 using same Common_ID and
                     powersave_disabled and
                     using_compatible_vocoders) and
          EUT in standby
ensure that {
 when { EUT User makes a PTT Call }
 then { QE1_User receives the PTT_Call }
  Pre-test conditions:
                    Select same RF channel and Common ID for both QE1 and EUT
                                                                                   Verdict
       Step
                                        Test Sequence
                                                                              Pass
                                                                                          Fail
         1
                    Cause EUT to make a PTT call to QE1
        2
                    QE1 receives the PTT call
                                                                              Yes
                                                                                          No
```

```
End group 1.3.4.3
End group 1.3.4
End group 1.3
```

Observations:

5.1.4 late entry

Group 1.4 'Late Entry'

	Tes	t Description		
Identifier:	TD_PMR_0802_01	Test Purpose:	TP_PMR_080	02_01
Summary:	'Support of Late Entry for ISF	1		
Roles:	ISF	Configuration:	CF_IDPMRIS	F_01
References:	RQ_001_0802, RQ_001_080)2		
ISF QE1 and EUT				
with { (EUT and	QE1 using the same Common_1			
	powersave_disabled and			
DIII	using_compatible_vocode	ers) and		
	<pre>ched_off and ransmitting a PTT Call add;</pre>	roaged to the FIF		
) Arita (ransmitting a Pii_tair addi	ressed to the Eur		
then { EUT_User }	ritched_on } receives the remainder of t	_	rt delay' }	
Pre-test conditions:	Select same RF channel and		d EUT	
Step		st Sequence		Verdict
•		•	Pas	s Fail
1	Switch off EUT			
2	Cause QE1 to make a PTT ca	all to EUT		
3	Switch on EUT			
4	Check that EUT starts to rece	eive the PTT call after a short	delay Yes	. No
Observations:			•	•

```
Test Description
Identifier:
                     TD_PMR_0802_02
                                                    Test Purpose:
                                                                         TP_PMR_0802_02
Summary:
                     'Support of Late Entry by CSF with individual address'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_0802, RQ_001_0802
-- CSF QE1 and EUT
with {
         (EUT and QE1 powersave_disabled and
                      using_compatible_vocoders) and
          EUT switched off and
          QE1 is transmitting an Individual Call addressed to the EUT
ensure that {
  when { EUT is switched on }
  then { EUT_User receives the remainder of the Individual_Call after a 'short delay' }
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     Select or enter the individual address of EUT on QE1
       Step
                                          Test Sequence
                                                                                     Verdict
                                                                                 Pass
                                                                                           Fail
                     Switch off EUT
                     Cause QE1 to make an individual call to EUT
         2
                     Switch on EUT
         3
         4
                     Check that EUT starts to receive the call after a short delay
                                                                                 Yes
                                                                                            No
Observations:
```

	Test Do	escription	
ldentifier:	TD_PMR_0802_03	Test Purpose:	TP_PMR_0802_03
Summary:	'Support of Late Entry by CSF wi	th wildcard address'	
Roles:	CSF	Configuration:	CF_IDPMRCSF_01
References:	RQ_001_0802, RQ_001_0802		
CSF QE1 and EUT			
with $\{$ (EUT and \emptyset	El powersave_disabled and	_	
	using_compatible_vocoders	and	
	ched_off and	ared to the DIM	
) ULI 1S TI	ransmitting a Group_Call addre	sssed to the EUI	
ensure that { when { EUT is swi then { EUT_User r	tched_on } receives the remainder of the	Group_Call after a 's	hort delay' }
xxxxxxxxxxxxxxx			
	Select same RF channel for both	QE1 and EUT	
Pre-test conditions:		QE1 and EUT	
111111111111111111111111111111111111111	Select same RF channel for both Select or enter a wildcard group	QE1 and EUT	Verdict
Pre-test conditions:	Select same RF channel for both Select or enter a wildcard group Test \$	QE1 and EUT address for EUT on QE1	Verdict Pass Fail
Pre-test conditions:	Select same RF channel for both Select or enter a wildcard group	QE1 and EUT address for EUT on QE1	
Pre-test conditions:	Select same RF channel for both Select or enter a wildcard group Test \$	address for EUT on QE1 Sequence	
Pre-test conditions: Step	Select same RF channel for both Select or enter a wildcard group Test \$	address for EUT on QE1 Sequence	
Step 1 2	Select same RF channel for both Select or enter a wildcard group Test S Switch off EUT Cause QE1 to make a wildcard g	address for EUT on QE1 Sequence group call to EUT	Pass Fail

	Test Des	cription		
Identifier:	TD_PMR_0802_04	Test Purpose:	TP_PMR_0802	_04
Summary:	'Support of Late Entry by CSF wit	h Talk Group address'		
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_0802, RQ_001_0802			
CSF QE1 and EUT				
with $\{$ (EUT and QF	1 with powersave_disabled an			
	using_compatible_vocoders)	and		
	ed_off and			
QE1 is tra	nsmitting a TalkGroup_Call a	ddressed to the EUT		
}	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxQE1 and EUT	'short delay' }	
Step	Test Sec		Verd	lict
-			Pass	Fail
1	Switch off EUT			
2	Cause QE1 to make a talkgroup of	all to EUT		
3	Switch on EUT			
4	Check that EUT starts to receive	he call after a short delay	Yes	No
Observations:				

End group 1.4

5.1.5 powersave

Group 1.5 'Powersave'
End group 1.5

5.1.6 talking party ID

Group 1.6 'Talking Party ID'

	Test	Description		
Identifier:	TD_PMR_0803_01	Test Purpose:	TP_PMR_0803_0	1
Summary:	'Support of Talking Party ID'	·	<u> </u>	
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_0803, RQ_001_0803	3		
CSF QE1 and EUT	· · · · · · · · · · · · · · · · · · ·			
	E1 with powersave_disabled) and		
EUT in st	andby			
}				
ensure that {	alan an Tardini dan 1 Gall ba	DT TO 1		
	akes an Individual_Call to	EUT }		
then { EUT indica	tes the address of QE1 $\}$			
}				
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for bo	oth QE1 and EUT		
	Select or enter the address for	r EUT on QE		
Step	Tes	t Sequence	Ver	dict
•		•	Pass	Fail
1	Cause QE1 to make an individ	dual call to EUT		
2	Check that EUT displays the a	address (ID) of QE1	Yes	No
Observations:			<u>.</u>	•

```
Test Description
Identifier:
                      TD_PMR_0803_02
                                                      Test Purpose:
                                                                            TP_PMR_0803_02
Summary:
                      'Support of Talking Party ID'
                     CSF
                                                      Configuration:
Roles:
                                                                            CF_IDPMRCSF_01
References:
                     RQ_001_0803
-- CSF QE1 and EUT
          (EUT and QE1 with powersave_disabled) and
with {
           EUT in standby
ensure that {
        { QE1_User makes a Group_Call to EUT } { EUT indicates the address of QE1 }
  when
  then
 Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                      Select or enter a group address for EUT on QE
                                                                                     Verdict
        Step
                                          Test Sequence
                                                                                Pass
                                                                                            Fail
                      Cause QE1 to make a group call to EUT
         1
         2
                      Check that EUT displays the address (ID) of QE1
                                                                                 Yes
                                                                                             No
Observations:
```

End group 1.6 End group 1

5.1.7 Slow User Data

Group 1.7 'Slow User Data'

	Test Description		
ldentifier:	TD_PMR_0836_01 Test Purpose:	TP_PMR_0836_0	1
Summary:	'Support receiving of CSF slow user data'		
Roles:	CSF Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_0836, RQ_001_0836	<u>.</u>	
QE1 prese EUT in st } ensure that { when { QE1_User	QE1 using same Group_ID and powersave_disabled and using_compatible_vocoders) and t_with_SLD_test_data and andby makes a Group_SLD_Call to EUT } receives the Group_Call and the SLD_test_data }		
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE1 and EUT		
	Select or enter a talkgroup address of EUT on QE1		
	Preset QE1 with 4 bytes of Slow User Data		
Step	Test Sequence	Ver	
		Pass	Fail
1	Cause QE1 to make a voice call to EUT		
2	Check that EUT receives the voice call	Yes	No
3	Check that EUT receives the 4 bytes of slow user data	Yes	No
Observations:			

```
Test Description
Identifier:
                     TD_PMR_0836_02
                                                    Test Purpose:
                                                                         TP_PMR_0836_02
Summary:
                     'Support sending of CSF slow user data'
                                                    Configuration:
Roles:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_0836, RQ_001_0836
-- CSF QE1 and EUT
with {
         (EUT and QE1 using same Group_ID and
                      powersave_disabled and
                      using compatible vocoders) and
          EUT preset_with_SLD_test_data and
          QE1 in standby
ensure that {
  when { EUT_User makes a Group_SLD_Call to QE1 }
        { QE1_User receives the Group_Call and the SLD_test_data }
  then
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                     Select or enter a talkgroup address of QE1 on EUT
                     Preset EUT with 4 bytes of Slow User Data
       Step
                                                                                     Verdict
                                         Test Sequence
                                                                                            Fail
                                                                                Pass
                     Cause EUT to make a voice call to QE1
         2
                     Check that QE1 receives the voice call
                                                                                 Yes
                                                                                             No
         3
                     Check that QE1 receives the 4 bytes of slow user data
                                                                                 Yes
                                                                                            No
Observations:
```

	Test Description		
ldentifier:	TD_PMR_0836_03 Test Purpose:	TP_PMR_0836_0	3
Summary:	Support receiving of ISF slow user data		
Roles:	ISF Configuration:	CF_IDPMRISF_01	
References:	RQ_001_0836		
QE1 prese EUT in sta } ensure that { when { QE1_User a	QE1 using same Common_ID and powersave_disabled and using_compatible_vocoders) and t_with_SLD_test_data and andby makes a PTT_Call to EUT } receives the PTT_Call and the SLD_test_data }		
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for both QE1 and EUT		
	Select or enter Common ID of QE1 on EUT		
	Preset QE1 with 4 bytes of Slow User Data	T .	
Step	Test Sequence	Verd	
		Pass	Fail
1	Cause QE1 to make a voice call to EUT		
2	Check that EUT receives the voice call	Yes	No
3	Check that EUT receives the 4 bytes of slow user data	Yes	No
Observations:			

	Test	Description		
Identifier:	TD_PMR_0836_04	Test Purpose:	TP_PMR_0836_0	4
Summary:	Support sending of ISF slow u	iser data		
Roles:	ISF	Configuration:	CF_IDPMRISF_0	1
References:	RQ_001_0836			
EUT preset QE1 in sta } ensure that { when { EUT_User ma	1 using same Common_ID an powersave_disabled and using_compatible_vocode _with_SLD_test_data and ndby kes a PTT_Call to QE1 } ceives the PTT_Call and t	rs) and		
xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for b	- · · · · · · · · · · · · · · · · · · ·		
	Select or enter Common ID of			
Step	Preset EUT with 4 bytes of Sl	st Sequence	Vor	dict
Step	16:	st Sequence	Pass	Fail
1	Cause EUT to make a voice o	all to OF1	F 433	i ali
2	Check that QE1 receives the		Yes	No
3	Check that QE1 receives the		Yes	No
Observations:		.,	1 199	1

5.2 CSF

Group 2 'CSF'

5.2.1 broadcast call

Group 2.1 'Broadcast Call'
End group 2.1

5.2.2 dialling plan

Group 2.2 'Dialling Plan'

	Te	st Description		
dentifier:	TD_PMR_1403_01	Test Purpose:	TP_PMR_1403	_01
Summary:	'The user should enter or se	lect a string of digits and then	press a button to initia	ate the call'
Roles:	CSF	Configuration:	CF_IDPMRCSF	
References:	RQ_001_1403, RQ_001_14	03		
EUT Compli } ensure that { when { EUT_User 6 then { QE1_User 6 }	TI in standby and Les_with_Standard_User_Inters Enters or selects an addres Loes not receive the Call	ess of QE1 } }		
Pre-test conditions:	Select same RF channel for	both QE1 and EUT		
	EUT has Standard User Inte	erface		
	EUT has an individual addre	ess of 1123456		
	QE1 has an individual addre	ess of 1123457		
Step	Те	st Sequence	Ve	erdict
			Pass	Fail
1	EUT user enters 1123457	·		
2	QE1 user does not receive t	he call	Yes	No
Observations:				

```
Test Description
Identifier:
                      TD_PMR_1403_02
                                                        Test Purpose:
                                                                              TP_PMR_1403_02
Summary:
                      'The user should enter a string of digits and then press a button to initiate the call'
Roles:
                                                       Configuration:
                                                                              CF_IDPMRCSF_01
                      CSF
References:
                      RQ_001_1403, RQ_001_1403
with {
         QE1 and EUT in standby and
         EUT Complies_with_Standard_User_Interface
ensure that {
       { EUT_User enters or selects an address of QE1 before EUT_User presses the hash_key or dedicated_send_key }
  when
  then { QE1 User receives the Call }
   Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      EUT has Standard User Interface
                      EUT has an individual address of 1123456
                      QE1 has an individual address of 1123457
        Step
                                            Test Sequence
                                                                                        Verdict
                                                                                   Pass
                                                                                               Fail
          1
                      EUT user enters 1123457
                      EUT user presses the dedicated send key
          2
                      QE1 user receives the call
          3
                                                                                               Not
                                                                                    Yes
Observations:
```

	Т	est Description		
Identifier:	TD_PMR_1412_01	Test Purpose:	TP_PMR_1412_0	1
Summary:	'Some numeric address are	e not permitted'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_1412			
QE1 and } ensure that { when { EUT_User	plies_with_Standard_User_; EUT in standby enters or selects a non_ presses dedicated_send_ke cates an error} audible exxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	dialable_address and ey } e or visible prompt xxxxxxxxxxxxxxxxxxxx		
	EUT has Standard User In	terface		
Step		Test Sequence		dict
-		-	Pass	Fail
1	EUT user enters 0000000			
2	EUT user presses the ded	icated send key		
3	EUT indicates an audible a	and / or visible error indication	Yes	No
Observations:			<u> </u>	•

```
Test Description
Identifier:
                     TD_PMR_1415_01
                                                   Test Purpose:
                                                                        TP_PMR_1415_01
Summary:
                     'Radio receiving a talkgroup call - using wildcard'
Roles:
                                                   Configuration:
                    CSF
                                                                        CF_IDPMRCSF_01
References:
                    RQ_001_1415
with {
         QE1 and EUT in standby and
         QE1 Complies_with_Standard_User_Interface
ensure that {
 when { QE1\_User enters or selects an EUT address
                       containing an asterisk_symbol 'in one of the last four digits' and
                  presses the hash key or dedicated send key }
 then { EUT_User receives a TalkGroup_Call }
  Pre-test conditions:
                    Select same RF channel for both QE1 and EUT
                    EUT has Standard User Interface
                    EUT is programmed with a 1123456 individual address
                                                                                   Verdict
       Step
                                         Test Sequence
                                                                               Pass
                                                                                         Fail
                     QE1 user enters 112345*
         1
         2
                     QE1 user presses the dedicated send key
                    EUT user receives the Talkgroup call
                                                                               Yes
                                                                                          No
Observations:
```

	Te	est Description		
ldentifier:	TD_PMR_1415_02	Test Purpose:	TP_PMR_1415	_02
Summary:	'Radio receiving a talkgroup	o call'		
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01
References:	RQ_001_1415			
QE1 Compl QE1 and E } ensure that { when { QE1_User then { EUT_User }	presses the hash_key or dreceives the TalkGroup_Ca xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	.kgroup_address of the EUT dedicated_send_key } ull } EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	and	
Step		Test Sequence	V	erdict
-			Pass	Fail
1	QE1 user enters 1123456			
2	QE1 user presses the dedic	cated send key		
3	EUT user receives the Talk	group call	Yes	No
Observations:				

```
Test Description
Identifier:
                     TD_PMR_1417_01
                                                    Test Purpose:
                                                                         TP_PMR_1417_01
                     'Abbreviated dialled digit to address mapping'
Summary:
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_1417, RQ_001_1417
with {
         (EUT Complies_with_Standard_User_Interface and
              abbreviated_dialling_available) and
         QE1 in standby
    }
ensure that {
  when { EUT_User enters or selects an abbreviated_dialling_string of QE1 and
                 presses the hash key or dedicated send key }
  then { QE1_User receives the Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUTis configured for abbreviated dialling
                                          Test Sequence
                                                                                     Verdict
       Step
                                                                                 Pass
                                                                                            Fail
                     Enter or select an abbreviated dialling string for QE1 on EUT
         1
                     Press the hash key or dedicated send key on EUT
         2
                     Check that QE1 receives the individual call
                                                                                  Yes
                                                                                            No
Observations:
```

	Test Descript	ion		
Identifier:	TD_PMR_1417_02	st Purpose: TP	_PMR_1417_02	
Summary:	'Abbreviated dialling string with wildcard a	and no match'		
Roles:	CSF Co	nfiguration: CF	_IDPMRCSF_01	
References:	RQ_001_1417, RQ_001_1417			
abbre EUT and QE	es_with_Standard_User_Interface and riated_dialling_available) . 'addresses are same except for la: . in standby			
then { QE1_User do	nters or selects the asterisk_symbol resses the hash_key or dedicated_selection of the call }	nd_key }		
Pre-test conditions:	Select same RF channel for both QE1 an EUT has Standard User Interface EUTis configured for abbreviated dialling EUT and QE1 addresses are same except	d EUT	ts	
Step	Test Sequenc	e	Ver	dict
			Pass	Fail
1	Enter or select * key on EUT			
2	Press the hash key or dedicated send ke	y on EUT		
3	Check if QE1 receives the talkgroup call		No	Yes
Observations:				

```
Test Description
Identifier:
                     TD_PMR_1417_03
                                                    Test Purpose:
                                                                          TP_PMR_1417_03
Summary:
                     'Abbreviated dialling string with wildcard'
Roles:
                                                    Configuration:
                     CSF
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1417
with {
         (EUT Complies_with_Standard_User_Interface and abbreviated_dialling_available)
         EUT and QE1 'addresses are same except for the last digit'
          EUT and QE1 in standby
    }
ensure that {
  when { EUT_User enters or selects the asterisk_symbol and
                  presses the dedicated send key
  then { QE1_User receives the Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUTis configured for abbreviated dialling
                     EUT and QE1 addresses are same except for last digit
       Step
                                           Test Sequence
                                                                                      Verdict
                                                                                 Pass
                                                                                            Fail
         1
                     Enter or select * key on EUT
                     Press the hash key or dedicated send key on EUT
         2
         3
                     Check if QE1 receives the talkgroup call
                                                                                  Yes
                                                                                             No
Observations:
```

	1	est Description		
dentifier:	TD_PMR_1418_01	Test Purpose:	TP_PMR_1418_01	
Summary:	'Talkgroup call'	•		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0 ²	
References:	RQ_001_1418, RQ_001_14	418		
'an a (EUT and Q) ensure that { when { EUT_User e	E1 'addresses having the in standby) nters or selects a maske	ed covering at least one of a same digits outside of the ed_dialling_string of QE1 symbol 'as the last digit' dedicated_send_key }	e mask' and	s') and
·- xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxx	×××××××××××××××××××××××××××××××××××××××		
Pre-test conditions:	Select same RF channel fo EUT has Standard User Int EUT is configured for mask	r both QE1 and EUT erface	QE1	
Step		Test Sequence	Ve	dict
•		•	Pass	Fail
1	Enter or select an masked last digit	dialling string for QE1 on EUT v	vith * as the	
2	Triess the hash key of dedic	cated send key on EUT		

```
Test Description
Identifier:
                       TD_PMR_1418_02
                                                        Test Purpose:
                                                                               TP_PMR_1418_02
Summary:
                       'Talkgroup call'
Roles:
                      CSF
                                                        Configuration:
                                                                               CF_IDPMRCSF_01
                      RQ_001_1418, RQ_001_1418
References:
with {
           (EUT Complies_with_Standard_User_Interface and
                abbreviated_dialling_available and
                'an address input mask is enabled covering at least one of the last four digits')
and
            (EUT and QE1 'addresses having the same digits outside of the mask' and
                         in standby)
ensure that {
  when \{ \text{ EUT\_User enters or selects an abbreviated\_masked\_dialling\_string of QE1} \}
                    containing an asterisk_symbol 'as the last digit' and
presses the hash_key or dedicated_send_key }
  then { QE1 User receives the TalkGroup Call }
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       EUT has Standard User Interface
                       EUTis configured for abbreviated dialling
                       EUT is configured for masked dialling
                       EUT address digits outside the dialling mask are same as QE1
        Step
                                               Test Sequence
                                                                                             Verdict
                                                                                        Pass
                                                                                                   Fail
          1
                       Enter or select an abbreviated masked dialling string for QE1 on EUT
                       with * as the last digit
          2
                       Press the hash key or dedicated send key on EUT
          3
                       Check that QE1 receives the talkgroup call
                                                                                         Yes
                                                                                                    No
Observations:
```

	Tes	st Description		
Identifier:	TD_PMR_1420_01	Test Purpose:	TP_PMR_1420_0	1
Summary:	'Broadcast plan'			
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_1420, RQ_001_142	20		
QE1 'pro QE1 and } ensure that { when { EUT_User	lies_with_Standard_User_Int grammed with a talkgroup ad EUT in standby enters a broadcast_command containing a talkgroup_a presses dedicated_send_key receives the Broadcast_Cal	dress' ddress of QE1 and		
xxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxx		
Pre-test conditions:	Select same RF channel for EUT has Standard User Inte EUT has an individual addre QE1 has an individual addre	rface ss of 1123457		
Step	Te	est Sequence	Ver	dict
			Pass	Fail
1	EUT user enters #1*1123456	6		
2	EUT user presses the dedicate	,		
3	QE1 user receives the Broad	dcast call	Yes	No
Observations:				

```
Test Description
Identifier:
                     TD PMR 1420 02
                                                    Test Purpose:
                                                                         TP_PMR_1420_02
Summary:
                     'Broadcast call - abbreviated dialling'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                    RQ_001_1420, RQ_001_1420
with {
          (EUT Complies_with_Standard_User_Interface and
               abbreviated_dialling_available) and
         EUT and QE1 'addresses differing in one or more of the last digits'
         QE1 and EUT in standby
ensure that {
  when { EUT User enters a broadcast command
                     containing a valid abbreviated_dialling_string of QE1
                       containing 'one or more asterisk symbols' and
                  presses the hash_key or dedicated_send_key }
  then { QE1_User receives the Broadcast_Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUT has abbreviated dialling available
                     EUT has an individual address of 1123457
                     QE1 has an individual address of 1123456
                                                                                      Verdict
       Step
                                           Test Sequence
                                                                                 Pass
                                                                                             Fail
                     EUT user enters #1*112345*
         1
         2
                     EUT user presses the dedicated send key
                                                                                  Yes
         3
                     QE1 user receives the Broadcast call
                                                                                             No
Observations:
```

	Te	est Description		
ldentifier:	TD_PMR_1421_01	Test Purpose:	TP_PMR_1421_0)1
Summary:	'Status call'	•		
Roles:	CSF	Configuration:	CF_IDPMRCSF_	01
References:	RQ_001_1421, RQ_001_1	421	<u>.</u>	
QE1 and } ensure that { when { EUT_User then { QE1_User		de between 0 and 31 and address of QE1 and dedicated_send_key } indicating the selected co	ode }	
Pre-test conditions:				
	EUT has an individual addi			
	EUT has Standard User Int	erface		
	QE1 has an individual addı	ess of 1234567		
Step	-	Test Sequence	Vei	rdict
			Pass	Fail
1	EUT user enters #001*123	4567		
2	EUT user presses the dedi	cated send key		
3	QE1 user receives the Stat	us call indicating 01	Yes	No
Observations:		·		

```
Test Description
Identifier:
                    TD_PMR_1421_02
                                                   Test Purpose:
                                                                       TP_PMR_1421_02
Summary:
                    'Status call - wrong status code entered'
Roles:
                                                   Configuration:
                    CSF
                                                                       CF_IDPMRCSF_01
References:
                    RQ_001_1421
with {
         EUT Complies_with_Standard_User_Interface
         QE1 and EUT in standby
ensure that {
 when { EUT_User enters a status_command
                           containing a code 'greater than' 31 and
                           containing the address of QE1 and
                  presses the dedicated_send_key }
  then { EUT indicates an error}
  Select same RF channel for both QE1 and EUT
Pre-test conditions:
                    EUT has an individual address of 1234500
                    EUT has Standard User Interface
       Step
                                         Test Sequence
                                                                                    Verdict
                                                                                Pass
                                                                                           Fail
                    EUT user enters #032*1234567
                    EUT user presses the dedicated send key
         2
         3
                    EUT indicates an error
                                                                                Yes
                                                                                           No
Observations:
```

	Tes	t Description		-
Identifier:	TD_PMR_1423_01	Test Purpose:	TP_PMR_1423_0	1
Summary:	'Force talkgroup service'	·	<u> </u>	
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1
References:	RQ_001_1423, RQ_001_142	23		
QE1 and } ensure that { when { EUT_Use	plies_with_Standard_User_Int EUT in standby r enters a talkgroup_command containing the addr presses the dedicated_send r receives the TalkGroup_Cal	l ess of QE1 and Lkey}		
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
Pre-test conditions				
	EUT has Standard User Intel			
	EUT has abbreviated dialling	•		
	QE1 has an individual addre	00 0 0 .0		
Step		est Sequence	Ver	dict
Olop	10	,st ocquence	Pass	Fail
1	EUT user enters #6*1122356	 6	1 433	I an
2	EUT user presses the dedica			
3	QE1 user receives the Talkg		Yes	
				No

```
Test Description
Identifier:
                     TD PMR 1423 02
                                                    Test Purpose:
                                                                          TP_PMR_1423_02
Summary:
                     'Force talkgroup service - abbreviated dialling'
Roles:
                     CSF
                                                    Configuration:
                                                                         CF_IDPMRCSF_01
References:
                     RQ_001_1423
with {
         (EUT Complies_with_Standard_User_Interface and
              abbreviated_dialling_available) and
          EUT and QE1 'addresses differing in one or more of the last digits'
          QE1 and EUT in standby
ensure that {
  when { EUT User enters a talkgroup command
                         containing a valid abbreviated dialling string of QE1 and
                   presses hash_key or dedicated_send_key }
  then { QE1_User receives the TalkGroup_Call }
  Pre-test conditions:
                     Select same RF channel for both QE1 and EUT
                     EUT has Standard User Interface
                     EUT has abbreviated dialling available
                     EUT has an individual address of 1122345
                     QE1 has an individual address of 1122356
                                                                                      Verdict
        Step
                                           Test Sequence
                                                                                 Pass
                                                                                            Fail
                     EUT user enters #6*56
         2
                     EUT user presses dedicated send key
         3
                     QE1 user receives the Talkgroup Call
                                                                                  Yes
                                                                                             No
Observations:
```

	Test Descr	ption		
Identifier:	TD_PMR_1424_01	Test Purpose:	TP_PMR_1424_0	1
Summary:	'Support of cancel call set-up'			
Roles:	CSF	Configuration:	CF_DPMR_01	
References:	RQ_001_1424, RQ_001_1424			
ISF QE1, QE2 and				
with { (EUT OACSU	_			
	save_disabled and			
	e_to_own_CC) and ransmitting to QE2			
QEI IS C.	ransmitting to QE2			
ensure that {				
	transmitting after EUT User cand	els an OACSU Call	addressed to QE2 }	
	bes not receive the OACSU_Call $\}$	_		
}	<u> </u>			
Pre-test conditions:	Select same RF channel for both QE	1 and EUT		
	EUT has Standard User Interface			
	EUT has OACSU_enabled			
	EUT has powersave disabled			
	EUT is configured to be Polite to own	Colour Code		
Step	Test Sequ	ence	Ver	dict
			Pass	Fail
1	Cause QE1 to make a continuous PT	T call to QE2		
2	Cause EUT to set up an OACSU call	to QE2		
3	Does QE2 receive the OACSU call?		No	Yes
4	Cause EUT to cancel the OACSU ca	I		
5	Cause QE1 to stop the PTT call to Q	E2		
6	Does QE2 receive the OACSU call		No	Yes
Observations:				•

End group 2.2

5.2.3 individual short data message

Group 2.3 'Individual Short Data Message'

5.2.3.1 ISDM free text message

Group 2.3.1 'ISDM Free Text Message'

	Test Desc	ription					
Identifier:	TD_PMR_0852_01	Test Purpose:	TP_PMR_0852	_01			
Summary:	'Support receiving of type 2 CSF ind	Support receiving of type 2 CSF individual data free text messages'					
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01			
References:	RQ_001_0852, RQ_001_0852						
EUT in st. } ensure that { when { QE1_User s	E1 powersave_disabled) and andby ends a T2_Freetext_Data_Message eceives the T2_Freetext_Data_Me						
xxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxx					
Pre-test conditions:	Select same RF channel for both QE QE1 and EUT configured for type 2 Select or enter address of EUT on 0	data					
Step	Test Seq	uence	V	erdict			
-			Pass	Fail			
1	Enter a free text message on QE1						
2	Cause QE1 to send the free text me	ssage to EUT using T2 dat	ta				
3	Check that EUT receives the free te	kt message	Yes	No			
Observations:							

	Te	est Description			
ldentifier:	TD_PMR_0852_02	Test Purpose:	TP_F	PMR_0852_0	2
Summary:	'Support sending of type 2	CSF individual data free text mes	sages'		
Roles:	CSF	Configuration:	CF_I	DPMRCSF_0	1
References:	RQ_001_0852				
then { QE1_User : }	-	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
Step		Test Sequence		Verdict	
-		<u>.</u>		Pass	Fail
1	Enter a free text message of	on EUT			
2	Cause EUT to send the free	e text message to EUT using T2	data		
					'
3	Check that QE1 receives th			Yes	No

```
Test Description
Identifier:
                       TD_PMR_0853_01
                                                        Test Purpose:
                                                                               TP_PMR_0853_01
Summary:
                      'Support receiving of type 1 CSF individual data free text messages'
                                                        Configuration:
                                                                              CF_IDPMRCSF_01
Roles:
                      CSF
References:
                      RQ_001_0853, RQ_001_0853
-- CSF QE1 and EUT
with { ^{\sim}(EUT and QE1 powersave_disabled) and
         EUT in standby
ensure that {
        { QE1_User sends a T1_Freetext_Data_Message addressed to EUT } { EUT_User receives the T1_Freetext_Data_Message }
  when
  then
 Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                       QE1 and EUT configured for type 1 data
                       Select or enter address of EUT on QE1
        Step
                                              Test Sequence
                                                                                            Verdict
                                                                                       Pass
                                                                                                   Fail
          1
                       Enter a free text message on QE1
                       Cause QE1 to send the free text message to EUT using T1 data
          2
                       Check that EUT receives the free text message
          3
                                                                                        Yes
                                                                                                   No
Observations:
```

	Te	est Description			
dentifier:	TD_PMR_0853_02	Test Purpose:	TP_PMR_0853_02		
Summary:	'Support sending of type 1 C	SF individual data free text messag	jes'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_0)1	
References:	RQ_001_0853				
QE1 in s } nsure that { when { EUT_User	QE1 powersave_disabled) and tandby sends a T1_Freetext_Data_Necesives the T1_Freetext_I	Message addressed to QE1 }			
 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Pre-test conditions:	Select same RF channel for	both QE1 and EUT			
	QE1 and EUT configured fo	r type 1 data			
	Select or enter address of 0	QE1 on EUT			
Step	T.	est Sequence	Vei	rdict	
			Pass	Fail	
1	Enter a free text message o	n EUT			
2	Cause EUT to send the free	text message to QE1 using T1 data	a		
3	Check that QE1 receives the	e free text message	Yes	No	
Observations:					

End group 2.3.1

5.2.3.2 ISDM precoded message

Group 2.3.2 'ISDM Precoded Message'

	Test De	escription				
Identifier:	TD_PMR_0850_01	Test Purpose:	TP_PMR	2_0850_01		
Summary:	'Support receiving of type 1 CSF i	Support receiving of type 1 CSF individual data precoded messages'				
Roles:	CSF	Configuration:	CF_IDPN	MRCSF_01		
References:	RQ_001_0850, RQ_001_0850					
EUT in sta } ensure that { when { QE1_User se then { EUT_User re }	El powersave_disabled) and andby ends a Tl_Precoded_Data_Messa eceives the Tl_Precoded_Data_ exxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Message }				
	QE1 and EUT configured for type	1 data				
	Select or enter address of EUT o					
Step	Test So	equence		Verd	lict	
				Pass	Fail	
1	Select a precoded message on Q	E1				
2	Cause QE1 to send the precoded		data			
3	Check that EUT receives the pred	coded message		Yes	No	
Observations:						

	Te	st Description				
ldentifier:	TD_PMR_0850_02	Test Purpose:	TP_F	PMR_0850_0	2	
Summary:	'Support sending of type 1 C	SF individual data precoded me				
Roles:	CSF	Configuration:	CF_I	DPMRCSF_0)1	
References:	RQ_001_0850					
QE1 in st } ensure that { when { EUT_User s	-	Message addressed to QE1 $\}$				
- xxxxxxxxxxxxxxx		· · · · · · · · · · · · · · · · · · ·				
Pre-test conditions:	Select same RF channel for QE1 and EUT configured fo Select or enter address of C	r type 1 data				
Step	To	est Sequence		Ver	Verdict	
-		-		Pass	aict	
				. 400	Fail	
1	Select a precoded message	on EUT		1 400		
1 2		on EUT coded message to QE1 using T1	data	1 400		
1 2 3		coded message to QE1 using T1	data	Yes		

```
Test Description
Identifier:
                      TD_PMR_0851_01
                                                       Test Purpose:
                                                                             TP_PMR_0851_01
                      'Support receiving of type 2 CSF individual data precoded messages'
Summary:
                                                       Configuration:
                                                                             CF_IDPMRCSF_01
Roles:
                      CSF
References:
                      RQ_001_0851, RQ_001_0851
-- CSF QE1 and EUT
with {
          (EUT and QE1 powersave_disabled) and
           EUT in standby
ensure that {
        { QE1_User sends a T2_Precoded_Data_Message addressed to EUT } { EUT_User receives the T2_Precoded_Data_Message }
  when
  then
  Pre-test conditions:
                      Select same RF channel for both QE1 and EUT
                      QE1 and EUT configured for type 2 data
                      Select or enter address of EUT on QE1
        Step
                                             Test Sequence
                                                                                          Verdict
                                                                                      Pass
                                                                                                 Fail
          1
                      Select a precoded message on QE1
                      Cause QE1 to send the precoded message to EUT using T2 data
          2
                      Check that EUT receives the precoded message
          3
                                                                                      Yes
                                                                                                  No
Observations:
```

	Test Description	1			
Identifier:	TD_PMR_0851_02	t Purpose:	TP_PMR_0851_02		
Summary:	'Support sending of type 2 CSF individual	data precoded messa	ges'		
Roles:	CSF Cor	nfiguration:	CF_IDPMRCSF_0)1	
References:	RQ_001_0851				
QE1 in st } ensure that { when { EUT_User s	E1 powersave_disabled) and andby ends a T2_Precoded_Data_Message addreceives the T2_Precoded_Data_Message				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxx			
Pre-test conditions:	Select same RF channel for both QE1 and QE1 and EUT configured for type 2 data Select or enter address of QE1 on EUT	EUT			
Step	Test Sequence		Ver	dict	
			Pass	Fail	
1	Select a precoded message on EUT	·			
2	Cause EUT to send the precoded message	e to QE1 using T2 dat	a		
3	Check that QE1 receives the precoded me	essage	Yes	No	
Observations:					

End group 2.3.2

5.2.3.3 ISDM short file transfer

Group 2.3.3 'ISDM Short File Transfer'

	Test Descrip	tion				
Identifier:	TD_PMR_0855_01	Test Purpose:	TP_	PMR_0855_	01	
Summary:	'Support receiving of type 3 CSF indiv	Support receiving of type 3 CSF individual data short file transfer				
Roles:	CSF	Configuration:	CF_	_IDPMRCSF_	_01	
References:	RQ_001_0855, RQ_001_0855					
EUT in sta } ensure that { when { QE1_User ma then { EUT_User re }	chapter and the second of the	coccccccccccccccct I and EUT ata E1 equipment				
Step	Test Seque	nce		Verd		
				Pass	Fail	
1	Input data file for transfer into QE1					
2	Cause QE1 to transfer the data file to					
3	Check that EUT receives and outputs	the data file		Yes	No	
Observations:						

Test Description						
Identifier:	TD_PMR_0855_02	Test Purpose:	TP_P	MR_0855_02	2	
Summary:	'Support sending of type 3 CSF individ	Support sending of type 3 CSF individual data short file transfer'				
Roles:	CSF	Configuration:	CF_IE	PMRCSF_0	1	
References:	RQ_001_0855					
<pre>with { (EUT and QE QE1 in sta } ensure that { when { EUT_User ma</pre>	CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and					
	Interface EUT to the data file source of Interface QE1 to the data file receiving					
Step	Test Seque	ence		Verd	lict	
				Pass	Fail	
1	Input data file for transfer into EUT					
2	Cause EUT to transfer the data file to	QE1 using T3 data				
3	Check that QE1 receives and outputs	the data file		Yes	No	
Observations:						

```
Test Description
Identifier:
                       TD_PMR_0856_01
                                                         Test Purpose:
                                                                                TP_PMR_0856_01
Summary:
                       'Support receiving of type 2 CSF individual data short file transfer'
                                                         Configuration:
                                                                                CF_IDPMRCSF_01
Roles:
References:
                       RQ_001_0856, RQ_001_0856
-- CSF QE1 and EUT
with {
           (EUT and QE1 powersave_disabled) and
            EUT in standby
ensure that {
        { QE1_User makes a T2_Short_File_Transfer addressed to EUT } 
{ EUT_User receives the T2_Short_File_Transfer }
  when
  then
 Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       QE1 and EUT configured for type 2 data
                       Select or enter address of EUT on QE1
                       Interface QE1 to the data file source equipment
                       Interface EUT to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                              Verdict
                                                                                         Pass
                                                                                                     Fail
                       Input data file for transfer into QE1
          1
                       Cause QE1 to transfer the data file to EUT using T2 data
          2
                       Check that EUT receives and outputs the data file
          3
                                                                                         Yes
                                                                                                     No
Observations:
```

Test Description					
Identifier:	TD_PMR_0856_02	Test Purpose:	TP_I	PMR 0856 02	2
Summary:	Support sending of type 2 CSF indivi-	upport sending of type 2 CSF individual data short file transfer'			
Roles:	CSF	Configuration:		IDPMRCSF_0)1
References:	RQ_001_0856				
<pre>with { (EUT and QE QE1 in sta } ensure that { when { EUT_User ma</pre>	QE1 in standby } ensure that { when { EUT_User makes a T2_Short_File_Transfer addressed to QE1 }				
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
Pre-test conditions:	Pre-test conditions: Select same RF channel for both QE1 and EUT QE1 and EUT configured for type 2 data Select or enter address of QE1 on EUT Interface EUT to the data file source equipment Interface QE1 to the data file receiving equipment				
Step	Test Seque	nce		Verd	ict
				Pass	Fail
1	Input data file for transfer into EUT				
2	Cause EUT to transfer the data file to	QE1 using T2 data			
3	Check that QE1 receives and outputs	the data file		Yes	No
Observations:					•

```
Test Description
Identifier:
                       TD_PMR_0857_01
                                                         Test Purpose:
                                                                                TP_PMR_0857_01
Summary:
                       'Support receiving of type 1 CSF individual data short file transfer'
                                                         Configuration:
Roles:
                       CSF
                                                                                CF_IDPMRCSF_01
References:
                       RQ_001_0857, RQ_001_0857
-- CSF QE1 and EUT
with {
           (EUT and QE1 powersave_disabled) and
            EUT in standby
ensure that {
        { QE1_User makes a T1_Short_File_Transfer addressed to EUT } 
{ EUT_User receives the T1_Short_File_Transfer }
  when
  then
 Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       QE1 and EUT configured for type 1 data
                       Select or enter address of EUT on QE1
                       Interface QE1 to the data file source equipment
                       Interface EUT to the data file receiving equipment
        Step
                                               Test Sequence
                                                                                             Verdict
                                                                                         Pass
                                                                                                     Fail
                       Input data file for transfer into QE1
          1
                       Cause QE1 to transfer the data file to EUT using T1 data
          2
                       Check that EUT receives and outputs the data file
          3
                                                                                         Yes
                                                                                                     No
Observations:
```

Test Description						
Identifier:	TD_PMR_0857_02	Test Purpose:	TP_PMR_0857_02			
Summary:	'Support sending of type 1 C	Support sending of type 1 CSF individual data short file transfer				
Roles:	CSF	Configuration:	CF_IDPMRCSF_01			
References:	RQ_001_0857					
CSF QE1 and EUT						
	Il powersave_disabled) an	d				
QE1 in sta	andby					
ensure that {						
	akes a T1 Short File Tran	sfer addressed to OE1 }				
	eceives the T1 Short File					
}		_				
	requirements from chapte					
Pre-test conditions:	Select same RF channel for					
	QE1 and EUT configured for					
	Select or enter address of Q					
	Interface EUT to the data file	• •				
_	Interface QE1 to the data file	<u> </u>	T			
Step	T-	est Sequence		dict		
			Pass	Fail		
1	Input data file for transfer into	D EUT				
2	Cause EUT to transfer the da	ata file to QE1 using T1 data				
3	Check that QE1 receives and	d outputs the data file	Yes	No		
Observations:						

End group 2.3.3

5.2.3.4 ISDM status message

Group 2.3.4 'ISDM Status Message'

Test Description					
Identifier:	TD_PMR_0846_01	Test Purpose:	TP_	PMR_0846_0	1
Summary:	'Support receiving of type 2 CSF in	dividual data status mes	ssages'		
Roles:	CSF	Configuration:	CF_	IDPMRCSF_0)1
References:	RQ_001_0846, RQ_001_0846				
CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and					
xxxxxxxxxxxxxxx	***************************************	XXXXXXXXXXX			
Pre-test conditions:	Pre-test conditions: Select same RF channel for both QE1 and EUT QE1 and EUT configured for type 2 data Select or enter address of EUT on QE1				
Step	Test Seq	uence		Verd	lict
				Pass	Fail
1	Input or select a status message or	QE1			
2	Cause QE1 to send the status mes	sage to EUT using T2 d	lata		
3	Check that EUT receives the status	message		Yes	No
Observations:					

	Tes	t Description			
Identifier:	TD_PMR_0846_02	Test Purpose:	TP_P	MR_0846_0	2
Summary:	'Support sending of type 2 C	SF individual data status messa	ges'		
Roles:	CSF	Configuration:	CF_ID	DPMRCSF_0)1
References:	RQ_001_0846				
QE1 in st } ensure that { when { EUT_User st then { QE1_User st } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	sends a T2_Status_Message receives the T2_Status_Mes EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	addressed to QE1 } sage } xxxxxxxxxxxxxxxxxxxxx both QE1 and EUT type 2 data iE1 on EUT			
Step	Te	est Sequence		Verd	
				Pass	Fail
1	Input or select a status mess	age on EUT			
2	Cause EUT to send the statu	is message to QE1 using T2 da	ta		
3	Check that QE1 receives the	status message		Yes	No
Observations:				•	

Test Description					
Identifier:	TD_PMR_0847_01	Test Purpose:	ΓP_PMR_0	847_01	
Summary:	'Support receiving of type 1 CSF indiv	Support receiving of type 1 CSF individual data status messages'			
Roles:	CSF	Configuration:	CF_IDPMR	CSF_01	
References:	RQ_001_0847, RQ_001_0847				
CSF QE1 and EUT with { (EUT and QE1 powersave_disabled) and					
Pre-test conditions:	Select same RF channel for both QE1				
	QE1 and EUT configured for type 1 da	ata			
	Select or enter address of EUT on QE	≣1			
Step	Test Sequence	e	Ver	dict	
			Pass	Fail	
1	Input or select a status message on Q	E1			
2	Cause QE1 to send the status message	ge to EUT using T1 data			
3	Check that EUT receives the status m	essage	Yes	No	
Observations:					

Test Description							
Identifier:	TD_PMR_0847_02	Test Purpose:	TP_PMR_0847	_02			
Summary:	'Support sending of type 1	Support sending of type 1 CSF individual data status messages'					
Roles:	CSF	Configuration:	CF_IDPMRCSF	_01			
References:	RQ_001_0847						
<pre>with { (EUT and Q QE1 in st } ensure that { when { EUT_User s then { QE1_User r }</pre>	QE1 in standby } ensure that {						
re-test conditions.	Select same RF channel for QE1 and EUT configured for Select or enter address of	for type 1 data					
Step	7	Test Sequence	Vei	rdict			
			Pass	Fail			
1	Input or select a status me	ssage on EUT					
2	Cause EUT to send the sta	atus message to QE1 using T1 da	ta				
3	Check that QE1 receives t	he status message	Yes	No			
Observations:				·			

```
End group 2.3.4
End group 2.3
```

5.2.4 OACSU

Group 2.4 'OACSU'

Test Description			
ldentifier:	TD_PMR_0840_01	Test Purpose:	TP_PMR_0840_01
Summary:	'Support receiving of OACSU call'		
Roles:	CSF	Configuration:	CF_IDPMRCSF_01
References:	RQ_001_0840, RQ_001_0840	<u> </u>	
CSF QE1 and EUT with { (EUT and	QE1 powersave_disabled and using_compatible_vocoders OACSU_enabled) and	and	
EUT in } ensure that {	standby		

then { EUT_User }	makes an OACSU_Call addressed to the EUT } receives the OACSU_Call }		
Pre-test conditions:	Select same RF channel for both QE1 and EUT		
	OACSU is enabled for both QE1 and EUT		
	Select or enter address of EUT on QE1		
Step	Test Sequence	Verdict	
		Pass	Fail
1	Cause QE1 to set up a voice call with EUT		
2	Check that EUT makes an audible or visual alert of the call set-up request	Yes	No
3	Cause EUT to acknowledge the call set-up request		
4	Check that QE1 makes an audible or visual alert of the call accepted acknowledgement	Yes	No
5	Cause QE1 to transmit voice payload		
6	Check that EUT receives the voice call	Yes	No
Observations:			

Test Description					
Identifier:	TD_PMR_0840_02	Test Purpose:	P_PMR_0	840_02	
Summary:	'Support sending of OACSU call'				
Roles:	CSF	Configuration: C	F_IDPMR	CSF_01	
References:	RQ_001_0840, RQ_001_0840				
CSF QE1 and EUT with { (EUT and	QE1 powersave_disabled and using compatible vocoders and				
OE1 in s	OACSU_enabled) and				
} ensure that {	•	001			
	<pre>makes an OACSU_Call addressed to receives the OACSU_Call }</pre>	ÖEI }			

Pre-test conditions:	Select same RF channel for both QE1 a				
	OACSU is enabled for both QE1 and EU				
01	Select or enter address of QE1 on EUT		1		.!! - 1
Step	Test Sequ	ience		Ver Pass	Fail
4	Cavas El IT to act up a vaisa call with O	ГА		Pass	ган
2	Cause EUT to set up a voice call with Q Check that QE1 makes an audible or vis		au oot	Yes	No
			quesi	162	INO
3 4	Charle that ELIT makes an audible or vice			Yes	No
4	Check that EUT makes an audible or vis acknowledgement	sual aleft of the call accepted	1	res	INO
5	5				
6	Cause EUT to transmit voice payload Check that QE1 receives the voice call			Yes	No
Observations:	Check that QE i receives the voice call			169	INO
Observations.					

End group 2.4

5.2.5 short appended data

Group 2.5 'Short Appended Data'

	Test Descrip	otion			
Identifier:	TD_PMR_0837_01	Test Purpose:	TP_PI	MR_0837_0	1
Summary:	'Support receiving of CSF appended	data'	<u> </u>		
Roles:	CSF	Configuration:	CF_ID	PMRCSF_0)1
References:	RQ_001_0837, RQ_001_0837				
CSF QE1 and EUT					
,	El using same Group_ID and powersave_disabled and using_compatible_vocoders) and with_AD_test_data and and and the property in the control of	d			
then { EUT_User re	akes a Group_AD_Call to EUT } eceives the Group_Call and the A				
	O-1				
Pre-test conditions:	Select same RF channel for both QE Select or enter a talkgroup address of Preset QE1 with 40 bytes of Data to	f EUT on QE1			
Step	Test Sequ	ence		Verd	lict
·				Pass	Fail
1	Cause QE1 to make a voice call to E	UT			
2	Check that EUT receives voice call			Yes	No
3	Cause QE1 to terminate the voice ca	<u> </u>			
4	Check that EUT receives the 40 byte	of appended data			
Observations:	The test data maybe output from the	EUT to some data red	eiving equi	pment	

	Test Description				
Identifier:	TD_PMR_0837_02	TP_PMR_0837_	02		
Summary:	'Support sending of CSF appended data'				
Roles:	CSF Configuration:	CF_IDPMRCSF	_01		
References:	RQ_001_0837				
CSF QE1 and EUT with { (EUT and QE1 using same Group_ID and					
Pre-test conditions:	Select same RF channel for both QE1 and EUT Select or enter a talkgroup address of QE1 on EUT Preset EUT with 40 bytes of Data to be appended				
Step	Test Sequence	Ver	dict		
Оюр	Tool ooquonoo	Pass	Fail		
1	Cause EUT to make a voice call to QE1	1 400	. 411		
2	Check that QE1 receives the voice call	Yes	No		
3	Cause EUT to terminate the voice call				
4	Check that QE1 receives the 40 bytes of appended data	Yes	No		
Observations:	The test data maybe output from the QE1 to some data receive	ving equipment			

Test Description				
Identifier:	TD_PMR_0844_01	Test Purpose:	TP_PMR_0844_01	
Summary:	'Support receiving of appended data'			
Roles:	CSF	Configuration:	CF_IDPMRCSF_01	
References:	RQ_001_0844, RQ_001_0844		·	
CSF QE1 and EUT				

```
with {
           (EUT and QE1 powersave_disabled and
            using_compatible_vocoders) and QE1 preset_with_AD_test_data and
            EUT in standby
ensure that {
        { QE1_User sends a Individual_AD_Call addressed to EUT } 
{ EUT_User receives the Individual_Call and the AD_test_data }
  when
  then
  Pre-test conditions:
                       Select same RF channel for both QE1 and EUT
                       Select or enter address of EUT on QE1
                       Preset QE1 with 40 bytes of appended test data
                                                                                             Verdict
        Step
                                               Test Sequence
                                                                                        Pass
                                                                                                    Fail
                       Cause QE1 to make an individual appended data call to EUT
                       Check that EUT receives the 40 bytes of test data
                                                                                         Yes
                                                                                                     No
Observations:
```

	Tes	t Description			
Identifier:	TD_PMR_0844_02	Test Purpose:	TP_	PMR_0844_	02
Summary:	'Support sending of appende	ed data'			
Roles:	CSF	Configuration:	CF_	_IDPMRCSF_	_01
References:	RQ_001_0844				
CSF QE1 and EUT					
with { (EUT and	QE1 powersave_disabled and				
	using_compatible_vocod	ders) and			
	set_with_AD_test_data and				
QE1 in s	standby				
	sends a Individual_AD_Call receives the Individual_Ca				
Pre-test conditions:	Select same RF channel for	hoth OF1 and FUT			
	Select or enter address of C				
	Preset EUT with 40 bytes of	•			
Step Test Sequence			Verd	Verdict	
-				Pass	Fail
1	Cause EUT to make an indiv	vidual appended data call to QE1			
2	Check that QE1 receives the	Check that QE1 receives the 40 bytes of test data Yes No			
Observations:					

End group 2.5

5.2.6 slow user data

Group 2.6 'Slow User Data'

Test Description						
Identifier:				3_01		
Summary:	/: 'Support receiving of CSF slow user data'					
Roles:	CSF	CF_IDPMRCS	F_01			
References:	RQ_001_0843, RQ_001_0843					
QE1 preset EUT in sta } ensure that { when { QE1_User se	In powersave_disabled and using_compatible_vocoders) and with_SLD_test_data and undby ends an Individual_SLD_Call addresceives the Individual_Call and	ressed to EUT }				
xxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxx				
Pre-test conditions:	Select same RF channel for both QE Select or enter address of EUT on Q Preset QE1 with 4 bytes of SLD test	E1				
Step Test Sequence Verdict				ict		
_			Pass	Fail		
1	Cause QE1 to make an individual SL	D call to EUT				
2	Check that EUT receives the 4 bytes of SLD test data Yes No			No		
Observations:						

	Test	Description			
Identifier:	TD_PMR_0843_02 Test Purpose: TP_			3_02	
Summary:	Support sending of slow user data'				
Roles:	CSF	Configuration:	CF_IDPMRCS	SF_01	
References:	RQ_001_0843				
CSF QE1 and EUT	·				
with $\{$ (EUT and $($	QE1 powersave_disabled and				
	using_compatible_vocod				
	et_with_SLD_test_data and				
QE1 in st	andby				
} ensure that {					
SIIBULE CIIAC 1					
	sends an Individual_SLD_Ca	all addressed to QE1 }			
when { EUT_User a		all addressed to QE1 } all and the SLD_test_data	}		
when { EUT_User a			}		
when { EUT_User s then { QE1_User s }	receives the Individual_Ca	all and the SLD_test_data	}		
when { EUT_User set then { QE1_User set } }	receives the Individual_Ca	all and the SLD_test_data	}		
when { EUT_User so then { QE1_User so } }	receives the Individual_Ca	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	}		
when { EUT_User set then { QE1_User set } }	receives the Individual_Ca	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	}		
when { EUT_User set then { QE1_User set } }	Select same RF channel for Select or enter address of Series EUT with 4 bytes of Series Serie	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	,	rdict	
when { EUT_User set then { QE1_User set then } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter address of Series EUT with 4 bytes of Series Serie	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT SLD test data	,	dict	
when { EUT_User set then { QE1_User set then } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter address of Series EUT with 4 bytes of Series Serie	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxx both QE1 and EUT QE1 on EUT SLD test data st Sequence	Ver		
when { EUT_User settlen { QE1_User settlen } } xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Select same RF channel for Select or enter address of Center EUT with 4 bytes of Select Festivation of Select Tes	all and the SLD_test_data xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Ver		

End group 2.6

5.2.7 type 3 data

Group 2.7 'Type 3 data'

	Tes	st Description			
Identifier:	TD_PMR_0808_01	Test Purpose:	TP_PMR_0808_01		
Summary:	'Support receiving of type 3 CSF short data messages'				
Roles:	CSF	Configuration:	ration: CF_IDPMRCSF_01		
References:	RQ_001_0808, RQ_001_08	08			
EUT in st } ensure that { when { QE1_User s	E1 with powersave_disable andby ends a T3_Transmission aceceives the T3_Transmissi	dressed to EUT }			
	xxxxxxxxxxxxxxxxxxxxxx				
Pre-test conditions:	Select same RF channel for Select or enter EUT address				
Step Test Sequence Verdict					
•		-	Pass	Fail	
1	Cause QE1 to send a Type 3	3 data message to EUT			
2				No	
Observations:				•	

	Tes	st Description			
Identifier:	TD_PMR_0808_02				
Summary:	'Support sending of type 3 CS	SF short data messages'			
Roles:	CSF Configuration: CF_IDPMRCSF_01				
References:	RQ_001_0808				
QE1 in st } ensure that { when { EUT_User s	E1 with powersave_disabled andby ends a T3_Transmission addeceives the T3_Transmission	dressed to QE1 }			
	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
Pre-test conditions:	Select same RF channel for be Select or enter QE1 address	· · · · · · · · · · · · · · · · · · ·			
Step	Step Test Sequence Verdict				lict
•		•		Pass	Fail
1	Cause EUT to send a Type 3	data message to QE1			
2				No	
Observations:					•

```
End group 2.7
End group 2
```

5.3 ISF

Group 3 'ISF'

Test Description					
Identifier:	TD_PMR_0804_01	Test Purpose:	TP_P	MR_0804_0	1
Summary:	'Support of 255 Common IDs'				
Roles:	SF Configuration: CF_IDPMRISF_01				1
References:	RQ_001_0804, RQ_001_0804				
ensure that { when { QE1 uses a EUT uses sa	using_compatible_vocoders Common_ID between 1 and 254 and me Common_ID and				
then { EUT_User re	kes a Call to EUT } ceives the Call }	*****			
Pre-test conditions:	Select same RF channel for both QE				
	Select Common ID of 1 to 254 on QE Select same Common ID on EUT				
Step	Test Sequence Verdict				
				Pass	Fail
1	Cause QE1 to make a call				
2	Check that EUT receives the call Yes No			No	
Observations:		_	•		·

End group 3

Annex A (normative): dPMR TD test configurations

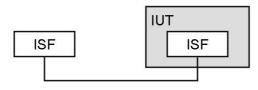


Figure A.1

Annex B (informative): Bibliography

ETSI ES 202 553: "Methods for testing and Specification (MTS); TPLan: A notation for expressing test Purposes".

ETSI TS 102 351 (V2.1.1): "Methods for Testing and Specification (MTS); Internet Protocol Testing (IPT); IPv6 Testing: Methodology and Framework".

ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".

History

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