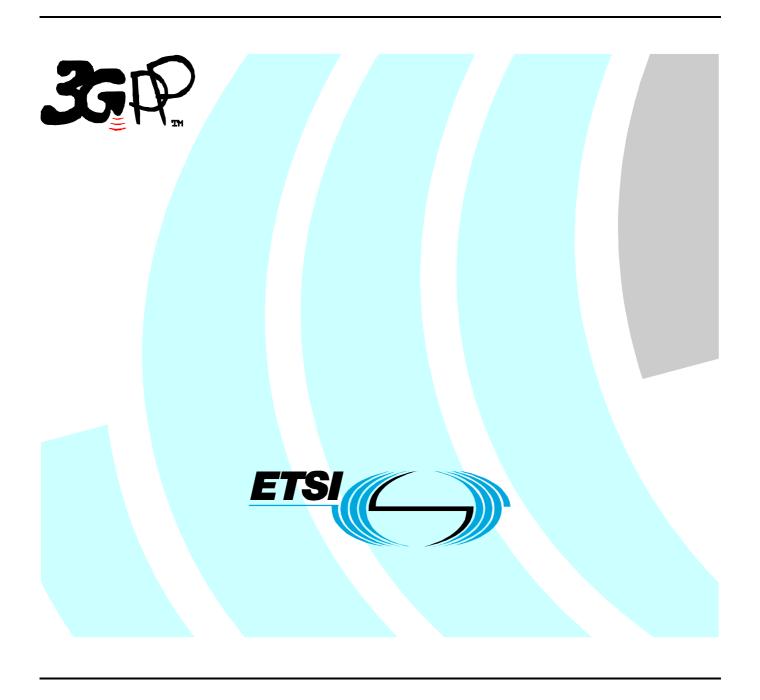
ETSI TR 125 993 V6.15.0 (2006-09)

Technical Report

Universal Mobile Telecommunications System (UMTS);
Typical examples of Radio Access Bearers (RABs)
and Radio Bearers (RBs) supported by
Universal Terrestrial Radio Access (UTRA)
(3GPP TR 25.993 version 6.15.0 Release 6)



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Foreword

This Technical Report (TR) has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document provides a list of examples of RABs and RAB combinations which are supported by UTRA with examples of radio interface mapping for these RABs onto Radio Bearers and Signalling Radio Bearers.

This list of examples describes typical parameters, and should only be understood as possible configurations i.e. any other configuration supported by the Core Specifications and consistent with a given UE capability shall also be supported by this UE.

The present document addresses the FDD mode as well as the TDD mode.

This report is a release independent report. This means that the latest release applicable to 3GPP is the reference that this TR is defined upon, and contains information on all previous releases. Actual release where a given example applies is indicated in the relevant section.

2 References

The following document:

3GPP TR 25.993 version 7 (Release 7): "Typical examples of RABs and RBs supported by UTRA".

Contains references which constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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3 Other provisions

The provisions of clauses 3 and onwards, Annexes A and B of 3GPP TR 25.993 version 7 (Release 7) apply.

Annex C: Change history

					Change history		
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
09/2002	RP-17	RP-020663	-		Creation.	-	-
12/2002	RP-18	RP-020890			Merge of RP-020877 with RP-020814. Clause numbering changed. Approved at TSG RAN#18.	2.0.0	6.0.0
03/2003	RP-19	RP-030109			Streaming and interactive/background RAB combinations	6.0.0	6.1.0
	RP-19	RP-030109			QoS attributes for RABs in 25.993	6.0.0	6.1.0
	RP-19	RP-030109			TDD RABs in 25.993	6.0.0	6.1.0
06/2003	RP-20	RP-030288			Corrections to the UE capabilities and editorial changes	6.1.0	6.2.0
	RP-20	RP-030288			New configuration for CBS: CTCH, PCCH, 32kbps RAB and SRBs on 1 S-CCPCH	6.1.0	6.2.0
	RP-20	RP-030288	006		New SCCPCH Configurations	6.1.0	6.2.0
	RP-20	RP-030288			PS streaming and CS speech RAB combinations	6.1.0	6.2.0
	RP-20	RP-030288	009		RB configuration for the support of wideband AMR speech telephony services	6.1.0	6.2.0
	RP-20	RP-030288	010		Corrections on TDD RABs	6.1.0	6.2.0
09/2003	RP-21	RP-030497			IMS RAB scenarios	6.2.0	6.3.0
	RP-21	RP-030489	013		Addition of Streaming RABs	6.2.0	6.3.0
12/2003	RP-22	RP-030609			BTFD with Flexible TrCH position	6.3.0	6.4.0
	RP-22	RP-030609	015		Addition of Conversational – Interactive/Background RAB combination	6.3.0	6.4.0
03/2004	RP-23	RP-040100	019		Alignment with 34.108 for TDD	6.4.0	6.5.0
	RP-23	RP-040100		Ī	S-CCPCH combination for HS-DSCH channel type switching	6.4.0	6.5.0
	RP-23	RP-040109	025		DCH combination for HS-DSCH channel type switching	6.4.0	6.5.0
06/2004	RP-24	RP-040205	026		Corrections on required capabilities for 32kbps UE class and addition of the 12kbps class	6.5.0	6.6.0
	RP-24	RP-040205	027		Addition of RAB Parameters For RABs Removed From TS34.108 But Retained In TS25.993	6.5.0	6.6.0
09/2004	RP-25	RP-040325	028		Physical layer multiplexing configuration in case of AMR and two PS RABs with zero bit rates	6.6.0	6.7.0
	RP-25	RP-040325	029		Physical layer multiplexing configuration in case of two PS RABs	6.6.0	6.7.0
	RP-25	RP-040325	030		Correction of RAB configuration in 1.28Mcps TDD	6.6.0	6.7.0
	RP-25	RP-040325			Conversational PS RAB for HS-DSCH	6.6.0	6.7.0
12/2004	RP-26	RP-040483	031	3	Addition of HSDPA RABs	6.7.0	6.8.0
	RP-26	RP-040475			Addition RAB combinations for UL>DL PS rates	6.7.0	6.8.0
	RP-26	RP-040475			Radio bearer combination for PS streaming in section 7.1.74	6.7.0	6.8.0
	RP-26	RP-040475		1	Correct TFCS used in 128DL RAB	6.7.0	6.8.0
03/2005	RP-27	RP-050064			Addition of asymetric RAB-combinations with voice	6.8.0	6.9.0
	RP-27	_	037		AMR-WB reference RAB configurations	6.8.0	6.9.0
06/2005	RP-28	RP-050325	0038		Introduction of fixed DTX positions for I/B RAB combinations	6.9.0	6.10.0
	RP-28	RP-050325	0039		Inclusion of HSDPA RABs already defined in 34.108	6.9.0	6.10.0
	RP-28	RP-050321			CCCH message enhancements	6.9.0	6.10.0
	RP-28	RP-050325	0041		Introduction of Streaming RABs over HSDPA	6.9.0	6.10.0
09/2005	RP-29	RP-050455			Redefiniton of Radio Access Bearer (RAB) combinations	6.10.0	6.11.0
	RP-29	RP-050455	0043		Proposed new notation for HSDPA Radio Bearers (RB)	6.10.0	6.11.0
	RP-29	RP-050455	0044		Combinations of radio bearers on DPCH with WB-AMR and I/B PS	6.10.0	6.11.0
	RP-29	RP-050455	0045		Inclusion of additional example RAB combinations	6.10.0	6.11.0
	RP-29	RP-050455	0046		Addition of RAB-combinations with AMR 5.9 voice and AMR 12.2 with two PDP contexts	6.10.0	6.11.0
	RP-29	RP-050487	0047		Maximum number of bits per TTI for extended CCCH	6.10.0	6.11.0
	RP-29	RP-050586	0050	1	Reference RB configuration for AMR utilising 5.9, and 4.75 kbps with SF256 in DL	6.10.0	6.11.0
12/2005	RP-30	RP-050799	0048	3	Addition of VoIP RAB combinations	6.11.0	6.12.0
	RP-30	RP-050799	0049	3	Addition of VoIP RAB combination for multiplexed RTP and RTCP flows	6.11.0	6.12.0
	RP-30	RP-050799	0051	1	Addition of multi-rate AMR-NB configuration with SRB#5	6.11.0	6.12.0
	RP-30	RP-050799		1	Introduction of high bit rate SRB		6.12.0
	RP-30	RP-050799	0053	3	Addition of multi-rate AMR configuration over HSDPA		6.12.0
	RP-30	RP-050799		1	Miscellaneous corrections		6.12.0
	RP-30	RP-050799			Introduction of conversational mono rate AMR 5.9 kbps RAB with SF 128.		6.12.0
	RP-30	RP-050799	0057		PL for Conversational / speech (12.65, 8.85, 6.6) kbps + Interactive 0 kbps	6.11.0	6.12.0
	RP-30	RP-050799	0060		WB-AMR configurations	6.11.0	6.12.0
	RP-30	RP-050799		1	Addition of VoIP RAB combinations		6.12.0
	-			-	-	-	

	RP-30	RP-050799	0062		Addition of VoIP RAB combination for multiplexed RTP and RTCP flows	6.11.0	6.12.0
03/2006	RP-31	RP-060088	0056	2	Reference RAB configurations for MBMS	6.12.0	6.13.0
	RP-31	RP-060082	0063		Corrections to TR 25.993	6.12.0	6.13.0
	RP-31	RP-060083	0064		VT bearer configurations	6.12.0	6.13.0
	RP-31	RP-060083	0065		Introduction of additional WB-AMR RAB combinations	6.12.0	6.13.0
	RP-31	RP-060087	0066		Introduction of EUL RB configurations	6.12.0	6.13.0
	RP-31	RP-060082	0067	1	Uplink Streaming 128 kbps combinations	6.12.0	6.13.0
	RP-31	RP-060087	0068	1	VoIP reference configuration for E-DCH	6.12.0	6.13.0
	RP-31	RP-060089	0069		Alternative reference RB configurations for MBMS	6.12.0	6.13.0
06/2006	RP-32	RP-060368	0070		Correction of transport block sizes in MBMS reference bearer configurations	6.13.0	6.14.0
	RP-32	RP-060367	0071		Addition of the combinations on DPCH and HS-PDSCH for LCR TDD	6.13.0	6.14.0
	RP-32	RP-060367	0073		Correction of internal references	6.13.0	6.14.0
	RP-32	RP-060367	0074		Reference configuration of AMR (5.9 kbps, 4.75 kbps) and HSDPA and E-DCH	6.13.0	6.14.0
	RP-32	RP-060367	0075		Puncturing limit correction in 7.1.112	6.13.0	6.14.0
	RP-32	RP-060372	0076		New configurations with 'flexible TFCS'	6.13.0	6.14.0
	RP-32	RP-060371	0077	1	Introduction of high data rate SRB	6.13.0	6.14.0
09/2006	RP-33	RP-060572	0083		Creation of TR 25.993 Rel-7: turning the Rel-6 into a pointer.	6.14.0	6.15.0

History

	Document history				
V6.4.0	December 2003	Publication			
V6.5.0	May 2004	Publication			
V6.6.0	June 2004	Publication			
V6.7.0	September 2004	Publication			
V6.8.0	December 2004	Publication			
V6.9.0	March 2005	Publication			
V6.10.0	June 2005	Publication			
V6.11.0	September 2005	Publication			
V6.12.0	December 2005	Publication			
V6.13.0	March 2006	Publication			
V6.14.0	June 2006	Publication			
V6.15.0	September 2006	Publication			