TSG-RAN Meeting #10 *RP-000578*
Bangkok, Thailand, 6 - 8 December 2000

Title: **Agreed CRs to TR 25.926**

Source: **TSG-RAN WG1 (CR 015r2), TSG-RAN WG2 (other CRs)**

Agenda item: **5.2.3**

Doc-1st-	Status-	Spec	CR	Rev	Subject	Cat	Version	Versio
R2-001969	agreed	25.926	014		Removal of example RABs	F	3.2.0	3.3.0
R1-001488	agreed	25.926	015	2	Correction on parameter "Maximum total number of transport blocks…"	F	3.2.0	3.3.0
R2-002309	agreed	25.926	016		Change to UE multi-RAT capability	F	3.2.0	3.3.0
R2-002478	agreed	25.926	017	1	Change from TR 25.926 to TS 25.306	F	3.2.0	3.3.0

3GPP RAN WG2#16
Beijing, P.R. China, October 9th to 13th, 2000

Document R2-001969
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.926 **CR** **014** Current Version: 3.2.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to: TSG-RAN #10 *list expected approval meeting # here ↑* for approval [X] For information [ ] strategic [ ] non-strategic [ ] *(for SMG use only)*

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)* (U)SIM [ ] ME [X] UTRAN / Radio [X] Core Network [ ]

Source: TSG-RAN WG2 **Date:** 2000-10-10

Subject: Removal of example RABs

Work item:

Category: *(only one category shall be marked with an X)*

F	Correction	[X]	**Release:**	Phase 2	[ ]
A	Corresponds to a correction in an earlier release	[ ]		Release 96	[ ]
B	Addition of feature	[ ]		Release 97	[ ]
C	Functional modification of feature	[ ]		Release 98	[ ]
D	Editorial modification	[ ]		Release 99	[X]
				Release 00	[ ]

Reason for change: It was decided at TSG-RAN#9 that the example reference RABs should be removed from this report because more detailed reference radio bearers have been defined in TS 34.108 for the purpose of conformance testing. It is proposed to replace the reference RABs with a reference to 34.108.

Clauses affected: 2, 5.2, 6, 6.1, 6.2

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other GSM core specifications	[ ]	→ List of CRs:
MS test specifications	[ ]	→ List of CRs:
BSS test specifications	[ ]	→ List of CRs:
O&M specifications	[ ]	→ List of CRs:

Other comments:

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2 ReferencesVoid

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.

For a non-specific reference, the latest version applies.

[1] 3G TS 34.108: "Common Test Environments for User Equipment (UE) Conformance Testing".

5.2 Reference UE radio access capability combinations

Based on required UE radio access capabilities to support reference RABs as defined in [1]~~clause 6~~, this clause lists reference UE Radio Access capability combinations. Subclause 5.2.1 defines reference combinations of UE radio access capability parameters common for UL and DL. Subclause 5.2.2 and 5.2.3 define reference combinations of UE radio access capability parameters that are separate for DL and UL respectively. A reference combination for common UL and DL parameters, one combination for UL parameters and one combination for DL parameters together relate to a UE with a certain implementation complexity, that allows support for one or several combined reference RABs. Combinations for UL and DL can be chosen independently. The bit rate supported by the selected combination of common UL and DL parameters needs to be at least as high as the maximum out of the supported bit rates of the selected combination of DL parameters and the selected combination of UL parameters. Different combinations have different levels of implementation complexity.

For defined reference RABs, it is possible to require a UE to meet a certain reference UE radio access capability combination. Each UE needs to have capabilities complying with a given reference radio access capability combination. Each individual radio access capability parameter as defined in Subclause 5.1 shall be signalled.

The reference combination numbers shall not be used in the signalling of UE radio access capabilities between the UE and UTRAN. Reference UE radio access capability combinations provide default configurations that should be used as a basis for conformance testing against reference RABs.

Allowed values of UE capability parameters are limited by the defined range and granularity of values in Subclause 5.1. Values might change depending on further definition of reference RABs for testing.

6 Usage of UE radio access capabilities

NOTE: The rationale for the parameter combination settings will be explained here.

6.1 Examples of reference radio access bearers

In Table 6.1 reference RAB A-G are defined with some characteristics that impact the required UE Radio Access capabilities. These reference RABs shall be seen as example RABs covered by the reference UE radio access capability combinations defined in Subclause 5.2. Reference RABs for conformance testing are specified in TS 34.108.

Table 6.1: Reference RABs

Reference RAB	A	B	C	D	E	F	G
RAB characteristics and mapping to DCH Coding (CC/TC)	Conversational speech 4.75-12.2 kbps (20 ms TTI) CC, Only one rate per RAB	Conversational 64 kbps (40 ms TTI) TC	Streaming max. 57.6 kbps (40 ms TTI) TC	Interactive/ Background max. 32 kbps (10 ms TTI) CC	Interactive/ Background max. 64 kbps (20 ms TTI) TC	Interactive/ Background max. 384 kbps (10/20 ms TTI) TC	Interactive/ Background max. 2048 kbps (10 ms TTI) TC
DCH carrying DCCH (rate, TTI)	3.4kpbs, 40ms	3.4kbps, 40ms/ 6.4kbps, 20ms	3.4kbps, 40ms/ 6.4kbps, 20ms	3.4kbps, 40ms/ 12.8kbps, 10ms	3.4kbps, 40ms/ 12.8kbps, 10ms	3.4kbps, 40ms/ 12.8kpbs, 10ms	3.4kbps, 40ms/ 12.8kpbs, 10ms

6.2 Example mappings between reference RABs and capability combinations

The following examples show how the reference RABs of Table 6.1 can be mapped to the reference UE radio access capability combinations that are listed in Clause 5.

Table 6.2: Example mappings between capability combinations and RAB combinations

Reference UE radio access capability combinations	Examples of supported reference RAB combination
32kbps class	One at the time of the following: - A - D
64kbps class	One at the time of the following: - B - C - E - A and D simultaneously - A and E simultaneously - A and B simultaneously - A and C simultaneously - The RAB combination supported by 32kbps class
128kbps class	One at the time of the following: - 2 times E - The RAB combination supported by 64kbps class
384kbps class	One at the time of the following: - E + B - 2 times B - F (TTI 10 ms) - A and F (TTI 10 ms) simultaneously - The RAB combination supported by 128kbps class
768kbps class	One at the time of the following: - F (TTI 20 ms) - A and F (TTI 20 ms) simultaneously - 2 times F (TTI 10 ms) in DL. - The RAB combination supported by 384kbps class
2048kbps class	One at the time of the following: - G in DL only - A and G simultaneously - The RAB combination supported by 768kbps class

3GPP TSG-RAN WG1 Meeting #17 ***R1-00-1488***
Stockholm, Sweden, 21-24 Nov 2000

CR-Form-v3

CHANGE REQUEST

⌘ **25.926 CR 015** ⌘ rev **r2** ⌘ Current version: **3.2.0** ⌘

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Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Correction on parameter "Maximum total number of transport blocks…"
Source:	⌘	TSG-RAN WG1
Work item code:	⌘	Release 99 issues ***Date:*** ⌘ 23rd November 2000
Category:	⌘	**F** ***Release:*** ⌘ R99

Use one of the following categories:	*Use one of the following releases:*	
F *(essential correction)*	*2*	*(GSM Phase 2)*
A *(corresponds to a correction in an earlier release)*	*R96*	*(Release 1996)*
B *(Addition of feature),*	*R97*	*(Release 1997)*
C *(Functional modification of feature)*	*R98*	*(Release 1998)*
D *(Editorial modification)*	*R99*	*(Release 1999)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.	*REL-4*	*(Release 4)*
	REL-5	*(Release 5)*

Reason for change:	⌘	• With the current wording, one possible interpretation could be that it is possible for the UTRAN to transiently exceed the parameter value in DL in the case of non-aligned TTIs.
Summary of change:	⌘	• The definition of "Maximum total number of transport block received within 10ms interval" was extended to explicitely cover the case of several simultaneous CCTrCHs. • The CR also clarifies the definition of convolutionally/turbo coded transport blocks.
Consequences if not approved:	⌘	• Potentially, some UTRAN may transiently send more transport blocks than the UE can support, as different interpretations are possible.

Clauses affected:	⌘	4.5.1, 4.5.2.
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	There were revision marks in figure 4.1. in the original document. These revision marks were forgotten to be accepted. We have accepted them when editing the CR to avoid confusion.

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.5 PHY parameters

4.5.1 Transport channel parameters in downlink

Maximum sum of number of bits of all transport blocks being received at an arbitrary time instant

NOTE: "Being received" refers to all bits in the active TFC within the TFCS over all simultaneous transport channels received by the UE. "Arbitrary time instant" means that the time instant corresponding to the highest sum of number of bits is relevant. This note also applies to similar parameter definitions below

This parameter is defined as:

$$\Sigma_i(N_i)$$

where N_i is defined as the number of bits in transport block #i, and the sum is over all transport blocks being received at an arbitrary time instant. All transport blocks that are to be simultaneously received by the UE on DCH, FACH, PCH and DSCH transport channels are included in the parameter.

A UE does not need to support a TFC within the TFCS for which the sum of *Number of Transport Blocks * Transport Block size* over all simultaneous transport channels is larger than what the UE capability indicates.

Maximum sum of number of bits of all convolutionally coded transport blocks being received at an arbitrary time instant.

This parameter is defined similar to the parameter above, but the sum includes only ~~convolutionally coded~~ transport blocks that are to be convolutionally coded.

Maximum sum of number of bits of all turbo coded transport blocks being received at an arbitrary time instant.

This parameter is defined similar to the parameter above, but the sum includes only ~~turbo coded~~ transport blocks that are to be turbo coded.

Maximum number of simultaneous transport channels

This is defined as the maximum number of Transport Channels that should be possible to process simultaneously, not taking into account the rate of each Transport Channel.

The number of simultaneous transport channels affects how the total memory space and processing capacity can be shared among the transport channels.

A UE does not need to support more simultaneous transport channels than the UE capability allows for.

Maximum number of simultaneous CCTrCH

CCTrCH should be interpreted as CCTrCH of any type, i.e. consisting of DCH, FACH or DSCH.

Maximum total number of transport blocks received within TTIs that end within the same 10 ms interval

All transport blocks that are to be simultaneously received by the UE on DCH, FACH, PCH and DSCH transport channels are included in the parameter.

Relates to processing requirements for CRC in downlink.

A UE does not need to support a TFC within the TFCS for which the sum of *Number of Transport Blocks* is larger than what the UE capability indicates. In the case of several CCTrCH's, the combination of the TFCs within the respective TFCSs for simultaneous TTIs at an arbitrary time instant shall not exceed this parameter.

Maximum number of TFC in the TFCS

The maximum number of TFC in a TFCS sets the size of the TFCI to TFCS mapping table to be handled by the UE.

Maximum number of TF

The maximum total number of downlink transport formats the UE can store.

Support for turbo decoding

Defines whether turbo decoding is supported or not.

The UTRAN configuration parameter is *Type of channel coding* which is part of the Transport format set (TFS) of each transport channel.

4.5.2 Transport channel parameters in uplink

Maximum sum of number of bits of all transport blocks being transmitted at an arbitrary time instant

NOTE: "Being transmitted" refers to all bits in the active TFC within the TFCS over all simultaneous transport channels transmitted by the UE. "Arbitrary time instant" means that the time instant corresponding to the highest sum of number of bits is relevant. This note also applies to similar parameter definitions below.

This parameter is defined as:

$$\Sigma_i(N_i)$$

where N_i is defined as the number of bits in transport block #i, and the sum is over all transport blocks being transmitted at an arbitrary time instant.

This parameter is related to memory requirements for uplink data received from MAC before it can be transmitted over the radio interface. As shown in Figure 4.1 the worst case occurs for the maximum TTI.

A UE does not need to support a TFC within the TFCS for which the sum of *Number of Transport Blocks* * *Transport Block size* over all simultaneous transport channels is larger than what the UE capability indicates.

Maximum sum of number of bits of all convolutionally coded transport blocks being transmitted at an arbitrary time instant

This parameter is defined similar to the parameter above, but the sum includes only ~~convolutionally coded~~ transport blocks that are to be convolutionally coded.

Maximum sum of number of bits of all turbo coded transport blocks being transmitted at an arbitrary time instant

This parameter is defined similar to the parameter above, but the sum includes only ~~turbo coded~~ transport blocks that are to be turbo coded.

Maximum number of simultaneous transport channels

The number of simultaneous transport channels affects how the total memory space and processing capacity can be shared among the transport channels.

UTRAN shall not set up more simultaneous transport channels than the UE capability allows for.

Maximum number of simultaneous CCTrCH

TDD only. For FDD there is always only one CCTrCH at a time.

Maximum total number of transport blocks transmitted within TTIs that start at the same time

Relates to processing requirements for CRC in uplink.

A UE does not need to support the TFC within the TFCS for which the sum of *Number of Transport Blocks* is larger than what the UE capability allows for.

Maximum number of TFC in the TFCS

The maximum number of TFC in a TFCS sets the size of the TFCI to TFCS mapping table to be handled by the UE.

Maximum number of TF

The maximum total number of uplink transport formats the UE can store.

Support for turbo encoding

Defines whether turbo encoding is supported or not.

The UTRAN configuration parameter is *Type of channel coding* which is part of the Transport format set (TFS) of each transport channel.

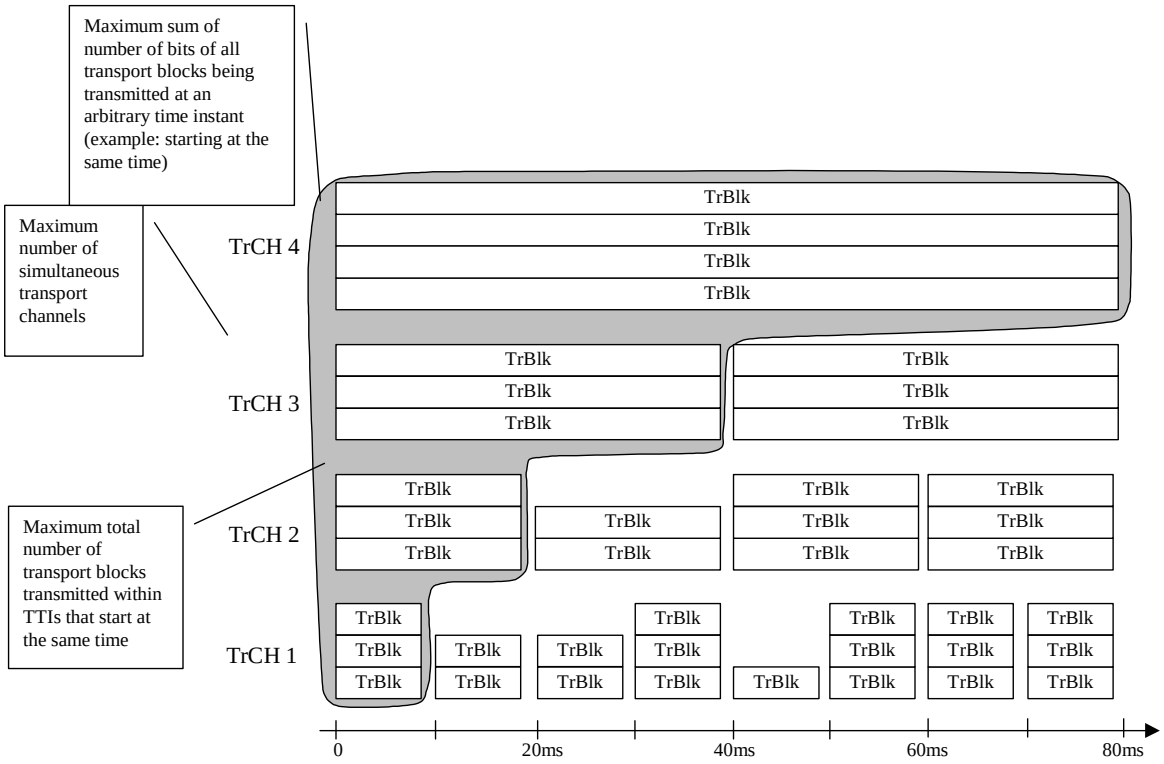

Figure 4.1: UE transport channel processing limitations in uplink

NOTE: When CPCH is supported, then simultaneous DPCCH & SCCPCH reception is needed.

3GPP TSG-WG2 Meeting #17 ***Tdoc r2-002309***
Sophia Antipolis, France, 13-17/11/2000

CR-Form-v3

CHANGE REQUEST

⌘ **3G TR 25.926 CR 016** ⌘ rev **-** ⌘ Current version: **3.2.0** ⌘

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Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☒ Radio Access Network ☒ Core Network ☐

Title:	⌘	Change to multi RAT capability
Source:	⌘	TSG-RAN WG2
Work item code:	⌘	***Date:*** ⌘ 9/11/2000
Category:	⌘	**F** ***Release:*** ⌘ R99

Use one of the following categories:
F *(essential correction)*
A *(corresponds to a correction in an earlier release)*
B *(Addition of feature),*
C *(Functional modification of feature)*
D *(Editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	The multi RAT capability only allows the UE to signal GSM capability, but not the GSM bands that are supported.
Summary of change:	⌘	The multi RAT capability is changed so that GSM900, GSM1800, and GSM1900 can be indicated independently
Consequences if not approved:	⌘	The UE will not be able to signal the GSM bands supported to the network. The UTRAN could request the UE to make measurements on GSM bands that are not supported by the mobile

Clauses affected:	⌘	4.7, 5.1
Other specs affected:	⌘	☒ Other core specifications ⌘ 3G TS 25.331 ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.7 Multi-RAT related parameters

Support of GSM

Defines whether GSM is supported or not. There is a separate parameter for each GSM frequency band.

There is no explicit configuration parameter.

Support of multi-carrier

Defines whether multi-carrier is supported or not.

There is no explicit configuration parameter.

4.8 LCS related parameters

Standalone location method(s) supported

Defines if a UE can measure its location by some means unrelated to UTRAN (e.g. if the UE has access to a standalone GPS receiver).

OTDOA UE based method supported

Defines if a UE supports the OTDOA UE based schemes.

Network Assisted GPS support

Defines if a UE supports either of the two types of assisted GPS schemes, namely "Network based", "UE based", "Both", or "none".

GPS reference time capable

Defines if a UE has the capability to measure GPS reference time as defined in 25.215.

Support for IPDL

Defines if a UE has the capability to use IPDL to enhance its "SFN-SFN observed time difference –type 2" measurement.

4.9 Measurement related capabilities

Need for downlink compressed mode

Defines whether the UE needs compressed mode in the downlink in order to perform inter-frequency or inter-RAT measurements. There are separate parameters for measurements on each UTRA mode, on each RAT, and in each frequency band.

Need for uplink compressed mode

Defines whether the UE needs compressed mode in the uplink in order to perform inter-frequency or inter-RAT measurements. There are separate parameters for measurements on each UTRA mode, on each RAT, and in each frequency band.

5 Possible UE radio access capability parameter settings

5.1 Value ranges

Table 5.1: UE radio access capability parameter value ranges

		UE radio access capability parameter	Value range
PDCP parameters		Header compression algorithm supported	Yes/No
RLC parameters		Total RLC AM buffer size	2,10,50,100,150,500,1000 kBytes
		Maximum number of AM entities	3,4,5,6,8,16,32
PHY parameters	Transport channel parameters in downlink	Maximum sum of number of bits of all transport blocks being received at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum sum of number of bits of all convolutionally coded transport blocks being received at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum sum of number of bits of all turbo coded transport blocks being received at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum number of simultaneous transport channels	4, 8, 16, 32
		Maximum number of simultaneous CCTrCH	1, 2, 3, 4, 5, 6, 7, 8
		Maximum total number of transport blocks received within TTIs that end within the same 10 ms interval	4, 8, 16, 32, 48, 64, 96, 128, 256, 512
		Maximum number of TFC in the TFCS	16, 32, 48, 64, 96, 128, 256, 512, 1024
		Maximum number of TF	32, 64, 128, 256, 512, 1024
		Support for turbo decoding	Yes/No
	Transport channel parameters in uplink	Maximum sum of number of bits of all transport blocks being transmitted at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum sum of number of bits of all convolutionally coded transport blocks being transmitted at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum sum of number of bits of all turbo coded transport blocks being transmitted at an arbitrary time instant	640, 1280, 2560, 3840, 5120, 6400, 7680, 8960, 10240, 20480, 40960, 81920, 163840
		Maximum number of simultaneous transport channels	2, 4, 8, 16, 32
		Maximum number of simultaneous CCTrCH of DCH type (TDD only)	1, 2, 3, 4, 5, 6, 7, 8
		Maximum total number of transport blocks transmitted within TTIs that start at the same time	2, 4, 8, 16, 32, 48, 64, 96, 128, 256, 512
		Maximum number of TFC in the TFCS	4, 8, 16, 32, 48, 64, 96, 128, 256, 512, 1024
		Maximum number of TF	32, 64, 128, 256, 512, 1024
		Support for turbo encoding	Yes/No
	FDD Physical channel parameters in downlink	Maximum number of DPCH/PDSCH codes to be simultaneously received	1, 2, 3, 4, 5, 6, 7, 8
		Maximum number of physical channel bits received in any 10 ms interval (DPCH, PDSCH, S-CCPCH)	600, 1200, 2400, 3600, 4800, 7200, 9600, 14400, 19200, 28800, 38400, 48000, 57600, 67200, 76800
		Support for SF 512	Yes/No
		Support of PDSCH	Yes/No

		UE radio access capability parameter	Value range
		Simultaneous reception of SCCPCH and DPCH	Yes/No
		Simultaneous reception of SCCPCH, DPCH and PDSCH	Yes/No
		Maximum number of simultaneous S-CCPCH radio links	1 NOTE: Only the value 1 is part of R99
	FDD Physical channel parameters in uplink	Maximum number of DPDCH bits transmitted per 10 ms	600, 1200, 2400, 4800, 960, 19200, 28800, 38400, 48000, 57600
		Support of PCPCH	Yes/No
	TDD physical channel parameters in downlink	Maximum number of timeslots per frame	1..14
		Maximum number of physical channels per frame	1,2,3..,224
		Minimum SF	16, 1
		Support of PDSCH	Yes/No
		Maximum number of physical channels per timeslot	1..16
	TDD physical channel parameters in uplink	Maximum Number of timeslots per frame	1..14
		Maximum number of physical channels per timeslot	1, 2
		Minimum SF	16,8,4,2,1
		Support of PUSCH	Yes/No
RF parameters	FDD RF parameters	UE power class (25.101 subclause 6.2.1)	3, 4 NOTE: Only power classes 3 and 4 are part of R99
		Tx/Rx frequency separation (25.101 subclause 5.3) . NOTE: Not applicable if UE is not operating in frequency band a	190 MHz 174.8-205.2 MHz 134.8-245.2 MHz
RF parameters	TDD RF parameters	UE power class (25.102)	2,3 NOTE: Only power classes 2 and 3 are part of R99
		Radio frequency bands (25.102)	a), b), c), a+b), a+c), a+b+c)
		Chip rate capability (25.102)	3.84,1.28
Multi-mode related parameters		Support of UTRA FDD/TDD	FDD, TDD, FDD+TDD
Multi-RAT related parameters		Support of GSM	Yes/No (per GSM frequency band)
		Support of multi-carrier	Yes/No
LCS related parameters		Standalone location method(s) supported	Yes/No
		Network assisted GPS support	Network based / UE based / Both/ None
		GPS reference time capable	Yes/No
		Support for IPDL	Yes/No
		Support for OTDOA UE based method	Yes/No
Measurement related capabilities		Need for downlink compressed mode	Yes/No (per frequency band, UTRA mode and RAT)
		Need for uplink compressed mode	Yes/No (per frequency band, UTRA mode and RAT)

3GPP TSG-WG2 Meeting #17 ***R2-002478***
Sophia Antipolis, France, 13-17 November 2000

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CHANGE REQUEST

⌘ **25.926** **CR** **017** ⌘ rev **r1** ⌘ Current version: **3.2.0** ⌘

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Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network ☐ Core Network ☐

Title:	⌘	Change from TR 25.926 to TS 25.306
Source:	⌘	TSG-RAN WG2
Work item code:	⌘	***Date:*** ⌘ 23-11-2000
Category:	⌘ **F**	***Release:*** ⌘ R99

Use one of the following categories:
F *(essential correction)*
A *(corresponds to a correction in an earlier release)*
B *(Addition of feature),*
C *(Functional modification of feature)*
D *(Editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	The contents of the TR should be normative.
Summary of change:	⌘	Change from TR to TS
Consequences if not approved:	⌘	Contents cannot be normative

Clauses affected:	⌘	Front page, foreword, Annex A
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

3GPP ~~TR~~ TS 25.~~926~~ 306 V3.0~~2~~.0 (2000-

Technical ~~Report~~Specification

3rd Generation Partnership Project; Technical Specification Group Radio Access Network; UE Radio Access Capabilities (Release 1999)

Foreword

This Technical ~~Report~~ Specification (~~TR~~TS) 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:

1 presented to TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG approved document under change control.

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.

Annex A (informative): Change history

Change history TR 25.926					
TSG-RAN#	Version	CR	Tdoc RAN	New Version	Subject/Comment
RAN_07	-	-	RP-000052	3.0.0	(03/00) Approved at TSG-RAN #7 and placed under Change Control
RAN_08	3.0.0	003	RP-000229	3.1.0	(06/00) Updated Ad Hoc changes
RAN_08	3.0.0	008	RP-000229	3.1.0	CPCH note to the the parameter definitions
RAN_09	3.1.0	010	RP-000368	3.2.0	(09/00) TDD DL Physical Channel Capability per Timeslot
RAN_09	3.1.0	012	RP-000368	3.2.0	Change to UE Capability definition
RAN_09	3.1.0	013	RP-000368	3.2.0	Physical parameter changes
RAN_10	3.2.0	014		25.306 3.0.0	(12/00) Removal of example RABs
RAN_10	3.2.0	016		25.306 3.0.0	Change to UE multi-RAT capability
RAN_10	3.2.0	017		25.306 3.0.0	Change from TR 25.926 to TS 25.306

Change history TS 25.306							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New