

**3GPP TSG CN Plenary Meeting #18**  
**4<sup>th</sup> – 6<sup>th</sup> December 2002 New Orleans, USA.**

**NP-020579**

**Source:** TSG CN WG4  
**Title:** Corrections on Enable bearer independent CS architecture Release 4  
**Agenda item:** 7.8  
**Document for:** APPROVAL

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<b>Spec</b>	<b>CR</b>	<b>Rev</b>	<b>Doc-2nd-Level</b>	<b>Phase</b>	<b>Subject</b>	<b>Cat</b>	<b>Ver_C</b>
29.232	040	2	N4-021556	Rel-4	Termination ID Correction	F	4.6.0
29.232	041	2	N4-021557	Rel-5	Termination ID Correction	A	5.3.0

CR-Form-v7

## CHANGE REQUEST

⌘ **29.232 CR 040** ⌘ rev **2** ⌘ Current version: **4.6.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Termination ID Correction		
<b>Source:</b>	⌘ CN4		
<b>Work item code:</b>	⌘ CSSPLIT	<b>Date:</b>	⌘ 14/11/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ Rel-4
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> 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) Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ The existing definition of termination ID in 3GPP TS 29.232 Rel4 and Rel5 is not unambiguous.  The ABNF coding of termination ID is not totally defined like ASN.1 coding is. E.g. content of EphToken, TDToken and UNDERSCORE are not defined.  <b>This is an essential correction.</b>
<b>Summary of change:</b>	⌘ The content of ABNF coding for termination ID is specified.
<b>Consequences if not approved:</b>	⌘ Inter-operability problems with MSC server and MGW.

<b>Clauses affected:</b>	⌘ 5.2										
<b>Other specs affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	X	X	X	X	X	X	⌘	
Y	N										
X	X										
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<b>Other comments:</b>	⌘										

**How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

**\*\*\* Modified Section \*\*\***

## 5.2 Termination names

The Termination ID structure shall follow the guidelines of H.248 and the structure is either relevant or irrelevant for MGC and MGW.

The relevance depends on the utilized bearer type for termination. With ephemeral ATM/AAL2 and IP endpoint bearer types the internal structure of Termination ID is irrelevant for MGW and MGC and therefore Termination ID is only numeric identifier for termination. When bearer type is physical timeslot within TDM circuit the Termination ID structure shall follow the Termination naming convention for TDM circuit bearer.

### 5.2.1 Termination naming convention

The following general structure of termination ID shall be used:

**ASN.1 coding:**

4 octets shall be used for the termination ID. The following defines the general structure for the termination ID:

Termination type	X
------------------	---

Termination type:

Length 3 bits

Values:

000 Reserved

001 Ephemeral termination

010 TDM termination

011 - 110 Reserved

111 Reserved for ROOT termination Id

X:

Length 29 bits.

Usage dependent on Termination type. TDM terminations specified below in chapter 5.2.2. Other usage unspecified.

**ABNF coding:**

TerminationID = "ROOT" / pathName / "\$" / "\*" ; According to H.248 Annex B

With ephemeral termination:

pathName = EphTokenUNDERSCORE(EPHsystem/"\*")

EphToken = "Ephemeral"

UNDERSCORE = %x5F ;"\_"

EPHsystem : Usage is not specified

### 5.2.2 Termination naming convention for TDM terminations

**ASN.1 coding:**

Termination type (=010 )	PCM system	Individual
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PCM system:

Length 24 bits.

Usage unspecified. Uniquely identifies PCM interface in MGw

Individual:

Length: 5 bits

Max. of 32 individuals (timeslots) per PCM system (max. 24 for a 24 channel system)

**ABNF coding:**

pathName = TDMTToken UNDERSCORE ((PCMsystem / "\*") SLASH (Individual / "\*"))

TDMTToken = "TDM"

UNDERSCORE = %x5F \_\_\_\_\_ ;" "

PCMsystem : Usage not specified

Individual = 1 \* 2 (DIGIT) ; 0-31

**\*\*\* End of modifications\*\*\***

CR-Form-v7

## CHANGE REQUEST

⌘ **29.232 CR 041** ⌘ rev **2** ⌘ Current version: **5.3.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Termination ID Correction		
<b>Source:</b>	⌘ CN4		
<b>Work item code:</b>	⌘ CSSPLIT	<b>Date:</b>	⌘ 14/11/2002
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Use <u>one</u> 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) Rel-6 (Release 6)

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