

**3GPP TSG CN Plenary
Meeting #11, Palm Springs, U.S.A
14th - 16th March 2001**

Tdoc NP-010068

Source: TSG CN WG4
Title: CRs to R99 on Work Item TEI
Agenda item: 7.6
Document for: APPROVAL

Introduction:

This document contains 2 CRs on R99 Work Item "TEI", that have been agreed by TSG CN WG4, and are forwarded to TSG CN Plenary meeting #11 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
29.010	015		N4-010403	R99	Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)	F	3.4.0
29.010	016		N4-010437	R99	UMTS to GSM Directed Retry cause code mapping	F	3.4.0

CHANGE REQUEST

⌘ **29.010 CR 015** ⌘ rev ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘ Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)		
Source:	⌘ CN4		
Work item code:	⌘ TEI	Date:	⌘ 21/02/01
Category:	⌘ F (Non-critical change agreed by Consensus) Use <u>one</u> of the following categories: <i>F</i> (essential correction) <i>A</i> (corresponds to a correction in an earlier release) <i>B</i> (Addition of feature), <i>C</i> (Functional modification of feature) <i>D</i> (Editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Release:	⌘ R99 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)

Reason for change:	⌘ To align cause mappings between 08.08/25.413.
Summary of change:	⌘ Directed Retry cause has been added to 25.413, this CR proposes that when Directed Retry is used in 08.08 and interworking is required it is mapped to Directed Retry in 25.413.
Consequences if not approved:	⌘ Misalignment of specifications

Clauses affected:	⌘ 4.7.6		
Other specs affected:	⌘ <input checked="" type="checkbox"/> Other core specifications	⌘ 23.009 CR (Tdoc N1-010427)	
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
Other comments:	⌘		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at:
http://www.3gpp.org/3G_Specs/CRs.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://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.

4.7.6 Cause Code Mapping

When a Mobile Station is handed over between GSM and UMTS, a mapping of the cause codes used in the BSSMAP and the RANAP protocols is needed. The mapping described here is applicable to the BSSMAP protocol even when used inside MAP in the E-interface.

The mapping between the cause codes received in BSSMAP Handover Required and the cause codes sent in RANAP Relocation Request is as follows:

08.08	25.413	Notes
HANDOVER REQUIRED	RELOCATION REQUEST	
-Better Cell	-Time critical reloc.	
-Directed retry	-Relocation desired due	Directed
retry	to radio reasons	
-Distance	-Time critical reloc.	
-Downlink quality	-Time critical reloc.	
-Downlink strength	-Time critical reloc.	
-O and M intervention	-O and M intervention	
-Preemption	-RAB pre-empted	
-Response to MSC invocation	-Time critical reloc.	1
-Switch circuit pool		
-Traffic	-Time critical reloc.	
-Uplink quality	-Time critical reloc.	
-Uplink strength	-Time critical reloc.	
-Any other value	-Time critical reloc.	

NOTE 1: Cause code not used at inter-system handover.

The mapping between the cause codes received in BSSMAP Handover Request and the cause codes sent in RANAP Relocation Request is as follows (the mapping is only used for the MAP-E interface):

08.08	25.413	Notes
HANDOVER REQUEST	RELOCATION REQUEST	
-Better Cell	-Time critical reloc.	
-Directed retry	- Directed retry	Relocation desired
due	to radio reasons	
-Distance	-Time critical reloc.	
-Downlink quality	-Time critical reloc.	
-Downlink strength	-Time critical reloc.	
-O and M intervention	-O and M intervention	
-Preemption	-RAB pre-empted	
-Response to MSC invocation	-Time critical reloc.	1
-Switch circuit pool		
-Traffic	-Time critical reloc.	
-Uplink quality	-Time critical reloc.	
-Uplink strength	-Time critical reloc.	
-Any other value	-Time critical reloc.	

NOTE 1: Cause code not used at inter-system handover.

CHANGE REQUEST

⌘ **29.010 CR 016** ⌘ rev ⌘ Current version: **3.4.0** ⌘

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

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

Title:	⌘ UMTS to GSM Directed Retry cause code mapping		
Source:	⌘ CN4		
Work item code:	⌘ TEI	Date:	⌘ 23 th February 01
Category:	⌘ F (Non critical change Agreed by consensus)	Release:	⌘ REL 99
<p>Use <u>one</u> of the following categories:</p> <p>F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>		<p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p>	

Reason for change:	⌘ UMTS to GSM Directed Retry has been introduced in TS 23.009, and TS 25.413. This CR proposes to include the missing mapping of cause code 'Directed Retry' in Relocation Required to cause code 'Directed Retry' in Handover Request.
Summary of change:	⌘ Mapping of the cause code 'Directed Retry' in Relocation Required to cause code 'Directed Retry' in Handover Request is added to chapter 4.6.2.
Consequences if not approved:	⌘ Cause code 'Directed Retry' in Relocation Required will be mapped to 'Better cell'.

Clauses affected:	⌘ 4.6.5	
Other specs affected:	<input checked="" type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘ 23.009 CR ??? (N1-010427), 29.010 CR015
Other comments:	⌘	

4.6.4 BSSAP Messages transfer on E-Interface

The handling is described in chapter 4.5.4.

4.6.5 Cause Code Mapping

When a Mobile Station is handed over between UMTS and GSM, a mapping of the cause codes used in the RANAP and the BSSMAP protocols is needed. The mapping described here is applicable to the BSSMAP protocol even when used inside MAP in the E-interface.

The mapping between the cause codes received in RANAP Relocation Required and the cause codes sent in BSSMAP Handover Request is as follows:

25.413	08.08	Notes
RELOCATION REQUIRED	HANDOVER REQUEST	
-Time critical relocation	-Better cell	1
-Resource optimisation relocation		
-Relocation desirable for radio reasons	-Better cell	
<u>-Directed retry</u>	<u>-Directed retry</u>	
-Any other value	-Better cell	

NOTE 1: Cause code not used at inter-system handover.