3GPP TSG CN Plenary Meeting #26
8th – 10th December 2004 Athens, Greece.

NP-040547

Source:	TSG CN WG4
Title:	Corrections on Mc-interface
Agenda item:	9.21
Document for:	APPROVAL

Spec	CR	Rev	Doc-2nd-Level N4-040	Phase	Subject	Cat	Ver_C
29.232	092		1444	Rel-6	Update of referenced H.248.1 version to version 2	F	5.8.0

CR-Form-v7.1

CHANGE REQUEST

⌘	**29.232** CR ⁰⁹²	⌘ **rev**	**-**	⌘	Current version:	**5.8.0**	⌘

*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 **X**

Title:	⌘	Update of referenced H.248.1 version to version 2.
Source:	⌘	CN4
Work item code:⌘	TEI6	***Date:*** ⌘ 6/10/2004

Category:	⌘ **F**	***Release:*** ⌘ Rel6

Use <u>one</u> of the following categories:
F *(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 <u>one</u> of the following releases:
Ph2 *(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)*
Rel-7 *(Release 7)*

Reason for change:	⌘	H.248 is at version 2 and version 3 is being developed. Q.1950 refers to version 2 and this specification is referenced from 29.232. ITU-T SG16 is no longer developing version1and will cease support of v1 specifications at the approval of v3. In order to ensure proper maintenance of and compatibility between implementations and specifications 29.232 should be updated to refer to H.248 version 2 as this should be signalled by MGW's implementing this protocol interface.
Summary of change:⌘		H.248.1 protocol version used by Mc interface changed to version 2.
Consequences if not approved:	⌘	Updates, improvements, corrections and additional functionality in later base protocol versions and later Q.1950 versions cannot be used by Mc interface.

Clauses affected:	⌘	2, 4, 14

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	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/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.

2   References

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. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1]   3GPP TS 23.153: "Out of band transcoder control; Stage 2".

[2]   3GPP TS 23.205: "Bearer independent circuit-switched core network; Stage 2".

[3]   3GPP TS 24.008: "Mobile radio interface Layer 3 specification; Core network protocols; Stage 3".

[4]   3GPP TS 25.415: "UTRAN Iu interface user plane protocols".

[5]   3GPP TS 28.062: "Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3".

[6]   3GPP TS 29.007: "General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)".

[7]   3GPP TS 29.205: "Application of Q.1900 series to Bearer Independent circuit-switched network architecture; Stage 3".

[8]   3GPP TS 29.415: "Customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification".

[9]   3GPP TS 48.008: "Mobile Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification".

[10]   ITU-T Recommendation H.248.1 (05~~3~~/2002): "Gateway control protocol". Version 2~~1~~

[11]   ITU-T Recommendation Q.2210 (1996): "Message transfer part level 3 functions and messages using the services of ITU-T Recommendation Q.2140".

[12]   IETF RFC 2960: "Stream control transmission protocol".

[13]   3GPP TS 29.202: "Signalling System No. 7 (SS7) signalling transport in core network; Stage 3".

[14]   ITU-U Recommendation H.248.8: "Error codes and service change reason description".

[15]   ITU-U Recommendation H.248.10: "Media gateway resource congestion handling package".

[16]   3GPP TS 26.103: "Speech codec list for GSM and UMTS".

[17]   ITU-U Recommendation H.248.2: "Facsimile, text conversation and call discrimination packages".

[18]   3GPP TS 26.226: "Cellular text telephony; Transport of text in the voice channel".

[19]   ITU-T Recommendation T.140: "Protocol for multimedia application text conversation".

[20]   3GPP TS 25.413: "UTRAN Iu interface RANAP signalling".

[21]   3GPP TS 25.414: "UTRAN Iu interface data transport and transport signalling".

[22]   3GPP TS 23.078: "Customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2".

[23]   ITU-T Recommendation Q.1950: "Bearer independent call bearer control protocol".

[24]   ITU-T Recommendation Q.765.5: "Signalling system No. 7 - Application transport mechanism: Bearer Independent Call Control (BICC)".

[25]   ITU-T Recommendation G.711: "Pulse code modulation (PCM) of voice frequencies".

[26]   3GPP TS 26.102: "3rd Generation Partnership Project; Mandatory speech codec; AMR speech codec; Interface to Iu, Uu and Nb"

[27]   3GPP TS 23.014: "Technical Specification Group Core Network; Support of Dual Tone Multi-Frequency (DTMF) signalling".

4   UMTS capability set

This capability set shall be used in its entirety whenever it is used within an H.248 profile. Failure to do so will result in a non-standard implementation.

ITU-T Recommendation H.248 [10] is supported by this Capability Set. The compatibility rules for packages, signals, events, properties and statistics and the H.248 protocol are defined in ITU-T Recommendation H.248 [10].

H,248 Protocol version handling shall be implemented. Support of this release of the specification requires support of H.248.1 Version 2. Negotiation of the protocol version shall be in accordance to clause 11.3 of H.248.1 version 2 [10].

14   H.248 standard packages

The following H.248 packages are used by this UMTS Capability Set:

-    Generic v1 (see ITU-T Recommendation H.248.1 [10] annex E.1).

-    Base Root Package v2̶1̶ (see ITU-T Recommendation H.248.1 [10] annex E.2).

-    Tone Generator Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.3).

-    Tone Detection Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.4).

-    Basic DTMF Generator Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.5).

-    DTMF Detection Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.6).

-    Call Progress Tones Generator Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.7).

-    Generic Announcement Package v1 (see ITU-T Recommendation H.248.1 [10] annex K).

-    TDM Circuit Package v1 (see ITU-T Recommendation H.248.1 [10] annex E.13).

-    Media Gateway Resource Congestion Handling Package v1 (see ITU-T Recommendation H.248.10 [15]).

-    Text Telephony Package (see ITU-T Recommendation H.248.2 [17]).

-    Call Discrimination package (see ITU-T Recommendation H.248.2 [17]).