

**Source:** TSG CN WG 1  
**Title:** CRs to Rel-4 Work Item TRFO-OOBTC  
**Agenda item:** 8.14  
**Document for:** APPROVAL

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**Introduction:**

This document contains 1 CR on **Rel-4** Work Item ” **TRFO-OOBTC-CODNEG**”, that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #10 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
24.008	310	1	N1-001388	Rel-4	Change of reference to 26.103 for use of codec	F	4.0.0

CR-Form-v3	
<b>CHANGE REQUEST</b>	
⌘ <b>24.008 CR 310</b> ⌘ rev <b>1</b> ⌘ Current version: <b>4.0.0</b> ⌘	

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

<b>Title:</b>	⌘ Change of reference to 26.103 for use of codec bitmap in the Supported Codec List		
<b>Source:</b>	⌘ Ericsson		
<b>Work item code:</b>	⌘ TRFO-OOBTC-CODNEG	<b>Date:</b>	⌘ 13/11/2000
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ REL-4
<p>Use <u>one</u> of the following categories:</p> <p><b>F</b> (essential 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)</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>	

<b>Reason for change:</b>	⌘ Reference to codec bitmap for Supported Codec List needs to be changed as now defined in 26.103. Related CRs are S4-000522 CR 004, and S4000551 CR 005.
<b>Summary of change:</b>	⌘ Change of reference and data, 3G TS 28.062 to 3G TS 26.103.
<b>Consequences if not approved:</b>	⌘ Not according to 3GPP TS 26.103.

<b>Clauses affected:</b>	⌘ 2, 5.2.1.11, 10.5.4.32		
<b>Other specs affected:</b>	⌘ <input checked="" type="checkbox"/> Other core specifications	⌘	
	<input type="checkbox"/> Test specifications		
	<input type="checkbox"/> O&M Specifications		
<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/3G\\_Specs/CRs.htm](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.

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## 2 Normative 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.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] 3GPP TS 01.02: "Digital cellular telecommunications system (Phase 2+); General description of a GSM Public Land Mobile Network (PLMN)".

[2] 3GPP TS 01.04: "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".

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[81] 3GPP TS 23.107: "3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; QoS Concept and Architecture"

[82] 3GPP TS 03.22: " Digital cellular telecommunications system (Phase 2+); Functions related to Mobile Station (MS) in idle mode and group receive mode".

[83] 3GPP TS 26.103: "3rd Generation Partnership Project; TSG-SA Codec Working Group; Speech Codec List for GSM and UMTS"

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### 5.2.1.11 Speech Codec Selection

The network can receive *Supported Codec List IE* in call establishment messages from the ME to inform the network of the codec types that it supports.

If the network does not receive *Supported Codec List IE* then default UMTS AMR speech version shall be assumed.

The network shall select a codec from the list of codecs and indicate this to the ME via RANAP and RRC protocol in NAS Synchronisation Indicator IE. See TS 25.413 and TS 25.331.

Coding of the codec type (CoID) shall be ~~according to the last 4 bits of the long form (CoID)~~, as defined in 3G TS ~~28.062~~26.103.

The network shall determine the preference for the selected codec type; codec type prioritisation is not provided by the ME.

The ME shall activate the codec type received in the NAS Synchronisation Indicator IE.

If the mobile station does not receive the NAS Synchronisation Indicator IE (RRC protocol) then it shall assume default UMTS AMR speech version.

For adaptive multirate codec types no indication of subsets of modes is supported in this protocol, from the ME or to the ME. It is a pre-condition that the support of such codec types by the ME implicitly includes all modes defined for that codec type.

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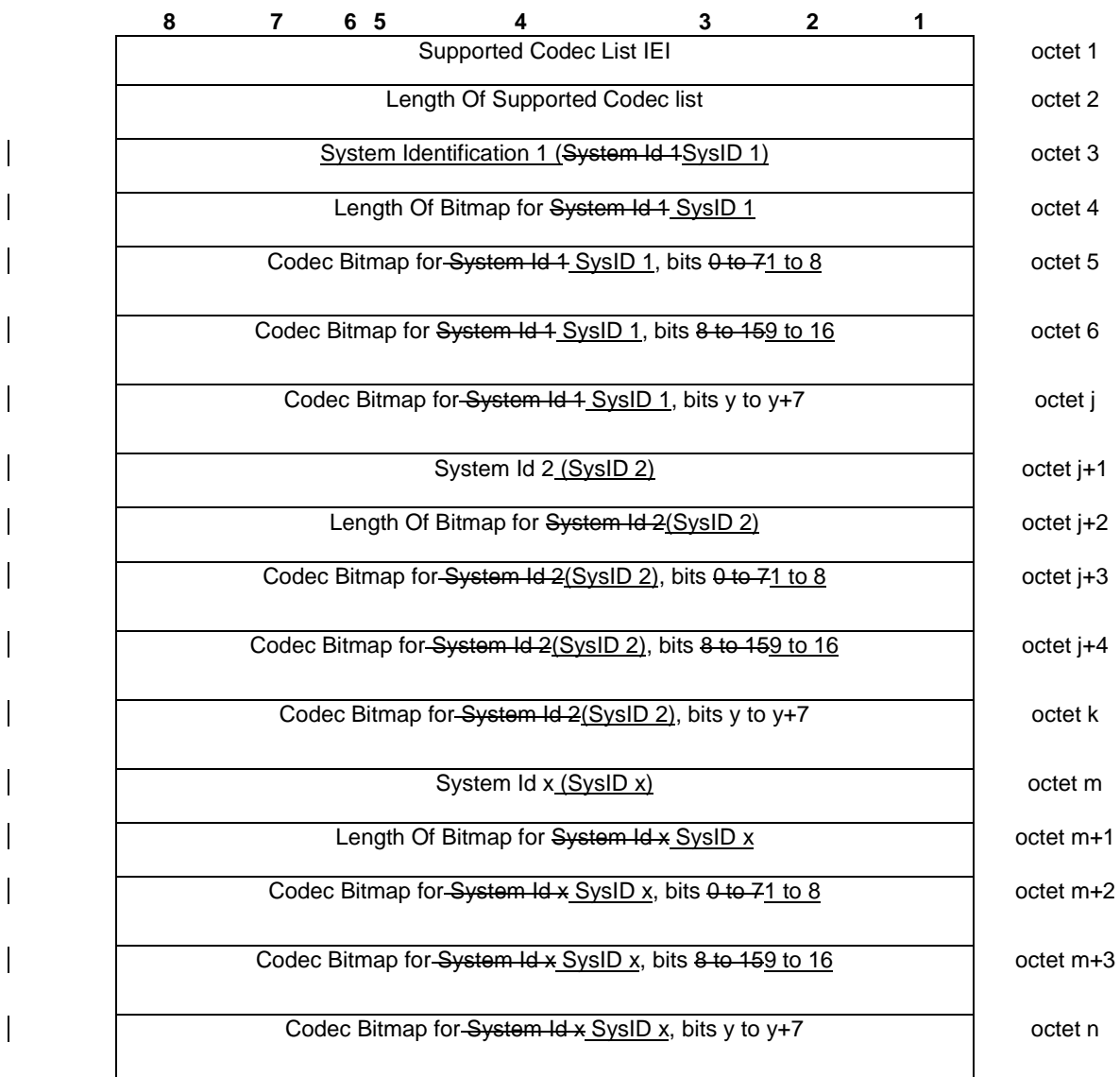
### 10.5.4.32 Supported codec list

The purpose of the *Supported Codec List* information element is to provide the network with information about the speech codecs supported by the mobile.

The *Supported Codec List* information element is coded as shown in figure 10.5.118c/TS 24.008.

The *Supported Codec List* information element is a type 4 information element with a minimum length of 5 octets and a maximum length of n octets.

Speech codec information belonging to a GSM radio access shall not be conveyed by this information element, but by the *Bearer Capability* information element.



**Figure 10.5.118c/TS 24.008 Supported codec list information element**

**Table 10.5.4.135c/TS 24.008: Supported Codec List information element**

<p>Octet 3, (j+1), m etc  <del>System ID SysID</del> indicates the radio access <del>type technology</del> for which the proceeding codec types may be used.  Coding of this Octet is defined <del>by the unprotected values used in 3GPP TS 28.062</del> <u>26.103</u>.</p>
<p>Octet 4, (j+2), m+1 etc  Length Of Codec Bitmap for <del>System ID SysID</del> indicates the number of octets included in the list for the given <del>System ID SysID</del>.</p>
<p>Octets (5 to j), (j+3 to k), (m+2 to n) etc  The coding of the Codec Bitmap is defined in 3GPP TS <del>28.062</del> <u>26.103</u>.</p>