3GPP TSG CN Plenary Meeting #12
Stockholm, Sweden, 13ᵗʰ - 15ᵗʰ June 2001

Tdoc NP-010286

Source:	TSG CN WG4
Title:	CRs on R98 Work Item TEI
Agenda item:	7.22
Document for:	APPROVAL

Introduction:

This document contains 3 CRs on R98 Work Item "TEI", that have been agreed by TSG CN WG4, and are forwarded to TSG CN Plenary meeting #12 for approval.

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
03.03	A052	1	N4-010724	R98	Remove reference to TS 03.22	F	7.5.0
23.003	027	1	N4-010725	R99	Remove reference to TS 23.022	A	3.8.0
23.003	028	1	N4-010726	Rel-4	Remove reference to TS 23.022	A	4.0.0

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CHANGE REQUEST

⌘ **03.03** CR **A052** ⌘ rev **1** ⌘ Current version: **7.5.0** ⌘

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 X

Title: ⌘	Remove reference to TS03.22	
Source: ⌘	CN4	
Work item code: ⌘	TEI	**Date:** ⌘ May 6, 2001
Category: ⌘	**F** (Agreed on consensus)	**Release:** ⌘ R98

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:
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: ⌘	03.22 is about functions related to MS in idle mode and group receive mode, it has nothing to do with numbering, addressing and identification. It should not be referred in base line document such as 03.03.
Summary of change: ⌘	Delete the reference sentence in section 1.1 and 2.2.
Consequences if not approved: ⌘	Confusion can come up during implementation.

Clauses affected: ⌘	1.1, 2.2
Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ 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.

1.1 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.

- For this Release 1998 document, references to GSM documents are for Release 1998 versions (version 7.x.y).

[1] GSM 01.04: "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".

[2] GSM 03.08: "Digital cellular telecommunications system (Phase 2+); Organization of subscriber data".

[3] GSM 03.20: "Digital cellular telecommunications system (Phase 2+); Security related network functions".

[4] ~~GSM 03.22: "Digital cellular telecommunications system (Phase 2+); Functions Related to Mobile Station (MS) in Idle Mode".~~Void.

[5] GSM 03.70: "Digital cellular telecommunications system (Phase 2+); Routeing of calls to/from Public Data Networks (PDN)".

[6] GSM 04.08: "Digital cellular telecommunications system (Phase 2+); Mobile radio interface layer 3 specification".

[7] GSM 09.03: "Digital cellular telecommunications system (Phase 2+); Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)".

[8] GSM 09.60: "Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp Interface".

[9] GSM 11.11: "Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

[10] CCITT Recommendation E.164: "Numbering plan for the ISDN era".

[11] CCITT Recommendation E.212: "Identification plan for land MSs".

[12] CCITT Recommendation E.213: "Telephone and ISDN numbering plan for land MSs in public land mobile networks (PLMN)".

[13] CCITT Recommendation X.121: "International numbering plan for public data networks".

[14] RFC 791: "Internet Protocol".

[15] RFC 1883: "Internet Protocol, Version 6 (IPv6) Specification".

2.2 Composition of IMSI

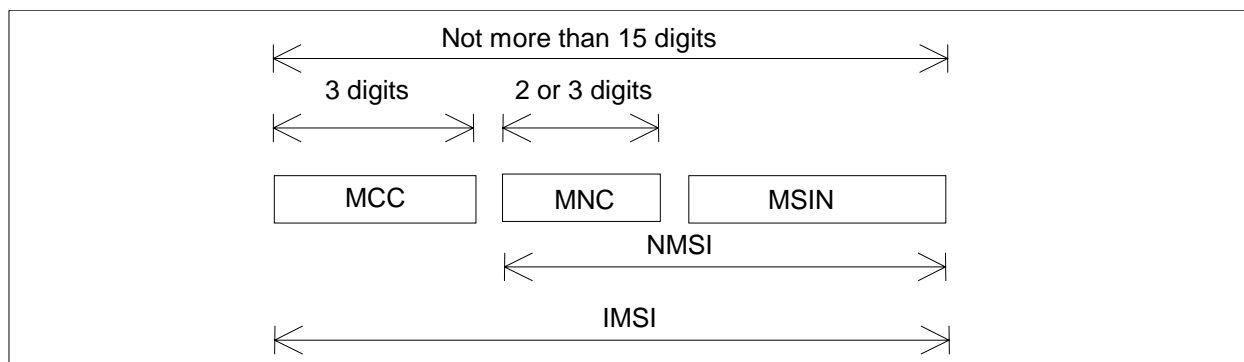IMSI is composed as shown in figure 1.

Figure 1: Structure of IMSI

IMSI is composed of three parts:

i) Mobile Country Code (MCC) consisting of three digits. The MCC identifies uniquely the country of domicile of the mobile subscriber;

ii) Mobile Network Code (MNC) consisting of two or three digits for GSM applications. The MNC identifies the home GSM PLMN of the mobile subscriber. The length of the MNC (two or three digits) depends on the value of the MCC. A mixture of two and three digit MNC codes within a single MCC area is not recommended and is outside the scope of this specification. See GSM 03.22 [4] for more information.

iii) Mobile Subscriber Identification Number (MSIN), identifying the mobile subscriber within a GSM PLMN.

The National Mobile Subscriber Identity (NMSI) consists of the Mobile Network Code and the Mobile Subscriber Identification Number.

2.3   Allocation principles

IMSI shall consist of numerical characters (O 0 through 9) only.

The overall number of digits in IMSI shall not exceed 15 digits.

The allocation of Mobile Country Codes (MCCs) is administered by the CCITT and is given in annex A to CCITT Blue Book Recommendation E.212.

The allocation of National Mobile Subscriber Identity (NMSI) is the responsibility of each administration.

If more than one GSM PLMN exist in a country, a unique Mobile Network Code should be assigned to each of them.

The allocation of IMSIs should be such that not more than the digits MCC + MNC of the IMSI have to be analysed in a foreign GSM PLMN for information transfer.

*** *End* ***

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CHANGE REQUEST

| ⌘ | **23.003** CR **027** | ⌘ rev **1** | ⌘ Current version: **3.8.0** | ⌘ |

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

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

Title:	⌘	Remove reference to TS23.022
Source:	⌘	CN4
Work item code: ⌘	TEI	***Date:*** ⌘ May 6, 2001
Category: ⌘	**A**	***Release:*** ⌘ R99

Use one 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 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:	⌘	TS23.022 is about functions related to MS in idle mode and group receive mode, it has nothing to do with numbering, addressing and identification. It should not be referred in base line document such as 23.003.
Summary of change: ⌘		Delete the reference sentence in section 1.1 and 2.2.
Consequences if not approved:	⌘	Confusion can come up during implementation.

Clauses affected:	⌘	1.1, 2.2
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

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1.1   References

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- 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]   3GPP TS 21.905: "3G Vocabulary".

[2]   3GPP TS 23.008: "Organization of subscriber data".

[3]   ~~3GPP TS 23.022: "Functions Related to Mobile Station (MS) in Idle Mode".~~ Void.

[4]   3GPP TS 23.070: "Routeing of calls to/from Public Data Networks (PDN)".

[5]   3GPP TS 24.008: "Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3".

[6]   3GPP TS 29.060: "GPRS Tunnelling protocol (GPT) across the Gn and Gp interface".

[7]   GSM 03.20: "Digital cellular telecommunications system (Phase 2+); Security related network functions".

[8]   GSM 09.03: "Digital cellular telecommunications system (Phase 2+); Signalling requirements on interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)".

[9]   GSM 11.11: "Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".

[10]   ITU-T Recommendation E.164: "Numbering plan for the ISDN era".

[11]   ITU-T Recommendation E.212: "Identification plan for land MSs".

[12]   ITU-T Recommendation E.213: "Telephone and ISDN numbering plan for land MSs in public land mobile networks (PLMN)".

[13]   ITU-T Recommendation X.121: "International numbering plan for public data networks".

[14]   RFC 791: "Internet Protocol".

[15]   RFC 1883: "Internet Protocol, Version 6 (IPv6) Specification".

[16]   3GPP TS 25.401: "UTRAN Overall Description".

[17]   3GPP TS 25.413: "UTRAN Iu Interface RANAP Signalling".

2.2   Composition of IMSI

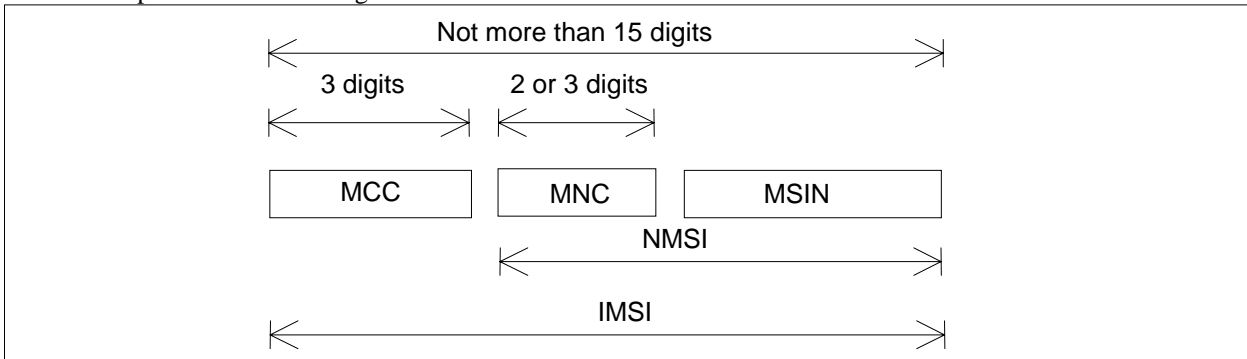IMSI is composed as shown in figure 1.

Figure 1: Structure of IMSI

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   ii) Mobile Network Code (MNC) consisting of two or three digits for GSM applications. The MNC identifies the home GSM PLMN of the mobile subscriber. The length of the MNC (two or three digits) depends on the value of the MCC. A mixture of two and three digit MNC codes within a single MCC area is not recommended and is outside the scope of this specification. ~~See 3GPP TS 23.022 [3] for more information.~~

   iii) Mobile Subscriber Identification Number (MSIN) identifying the mobile subscriber within a GSM PLMN.

The National Mobile Subscriber Identity (NMSI) consists of the Mobile Network Code and the Mobile Subscriber Identification Number.

2.3   Allocation principles

IMSI shall consist of numerical characters (0~~0~~ through 9) only.

The overall number of digits in IMSI shall not exceed 15 digits.

The allocation of Mobile Country Codes (MCCs) is administered by the CCITT and is given in annex A to CCITT Blue Book Recommendation E.212.

The allocation of National Mobile Subscriber Identity (NMSI) is the responsibility of each administration.

If more than one GSM PLMN exist in a country, a unique Mobile Network Code should be assigned to each of them.

The allocation of IMSIs should be such that not more than the digits MCC + MNC of the IMSI have to be analysed in a foreign GSM PLMN for information transfer.

*** *End* ***

CR-Form-v3

CHANGE REQUEST

⌘ **23.003** CR **028** ⌘ rev **1** ⌘ Current version: **4.0.0** ⌘

*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: ⌘	Remove reference to TS23.022	
Source: ⌘	Motorola	
Work item code: ⌘	TEI	***Date:*** ⌘ May 6, 2001
Category: ⌘	**A**	***Release:*** ⌘ REL-4

Use <u>one</u> of the following categories:
F (correction)
A (corresponds to a correction in an earlier release)
B (Addition of feature),
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Use <u>one</u> of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
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REL-4 (Release 4)
REL-5 (Release 5)

Reason for change: ⌘	TS23.022 is about functions related to MS in idle mode and group receive mode, it has nothing to do with numbering, addressing and identification. It should not be referred in base line document such as 23.003.
Summary of change: ⌘	Delete the reference sentence in section 1.1 and 2.2.
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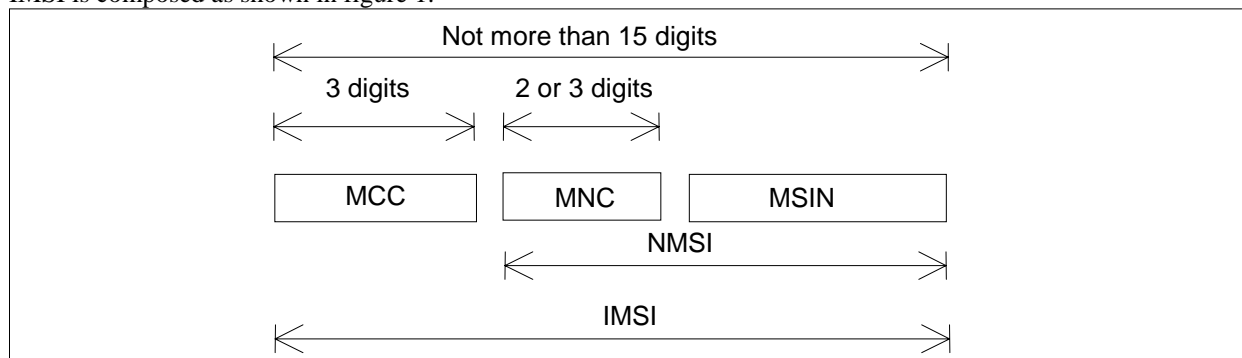
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