3GPP TSG CN Plenary, Meeting #11
Palm Springs, USA. 14th - 16th March 2001

Tdoc NP-010025

Agenda item: 5.1

Document for: INFORMATION

3GPP TSG-CN-WG1, Meeting #16

Tdoc N1-010306

Source: TSG_CN WG1

To: TSG_CN

Title: Forwarded LS from CN1#16 Meeting

LS on Use of a specific TON value in GSM and 3G

CN1 has seen the attached LS and consider it to be of interest to CN Plenary.

ETSI Project Smart Card Platform ad hoc #3
Winchester, 30th January-1st February, 2001

Tdoc SCPz010012

Liaison Statement

To: 3GPP TSG-CN1

CC: 3GPP TSG-T3, EP SCP

From: EP SCP CAT ad hoc (Contact: Nigel.Barnes@motorola.com, +44 7785 318 631)

Date: 1st February 2001

Subject: Use of a specific TON value in GSM and 3G

The EP SCP Card Application Toolkit (CAT) ad hoc meeting recently received a committee correspondence from the TIA TR-45·3 committee.

In this document (attached for information as SCPz010003), the TR-45·3 committee observed that the first four TON values are interpreted identically by both the GSM and TIA/EIA-136 specifications, and further note the difference in interpretation for the specific TON value "100". The TR-45·3 committee are investigating whether or not this value is in use in their community.

The intention is to try and achieve harmonisation of the interpretation of TON and NPI values between both communities.

This ad hoc has a similar request to the 3GPP and GSM communities, specifically, whether or not this value of TON (100) is in use in GSM systems, and further, whether it is anticipated that this value of TON is likely to be in use in the 3G systems based on the 3GPP's specifications.

B U I L D I N G G L O B A L C O M M U N I C A T I O N S

COMMITTEE CORRESPONDENCE

Please reply to:

Peter W. Nurse
Chair, TIA TR-45·3
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Thursday, January 25, 2001

via electronic mail

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Subcommittee TR-45·3 has reviewed the liaison from the EP SCP, and would like to note the following items for your information, and potential incorporation into the definition of the CAT. As an overall statement, TIA/EIA-136 is generally compatible with all of the assumptions that you have outlined in your liaison. Although there may be some syntax differences in the manner these are supported on the air interface or in the network, it is felt that with appropriate ME inter-working, most of these can support the common toolkit interface. Some specific points we would like to raise are presented below.

The Type of Number and Numbering Plan Identification definitions used in TIA/EIA-136 are very similar to those from GSM. Attached is document TR45.3.6/00.05.08.20, which presents a comparison of TON/NPI between these two systems. We note the overall high degree of compatibility; however, there are cases where values have been defined in one technology, but are reserved in the other. Please note one of these values is marked Permanently Reserved in 136. Value 1100 previously identified SS7 Point Code addressing, but was removed at the request of the operators, who did not feel providing these addresses on the air interface was a wise course. We feel these could be readily harmonized in the CAT. There appears to be only one conflict in the existing definitions. This occurs in the TON value 100, which is defined as Subscriber Number in 136 and as Dedicated Access, Short Code in GSM. We are currently investigating the actual usage of this value in the 136 systems, and would request any comments you may have on the actual utilization of this value in GSM. If these investigations reveal no hard conflict, we believe that the TON and NPI can readily be harmonized as part of the CAT.

With respect to the item regarding non-GSM based SMS support, at this time, we do not foresee a need for a SEND-TDMA-SMS command to be incorporated into the CAT.

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If you have any further questions, please do not hesitate to contact me,

Peter W. Nurse, Chair,
ANSI Accredited TIA TR-45·3

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Condado Plaza Hotel
San Juan, PR
May 8-12, 2000

TR45.3.6/00.05.08.20
Time Division Digital Technology
Mobile and Personal Communications Standards

Title

TON/NPI Comparison

Source

Ericsson

Abstract

This contribution provides a comparison of the Type of Number and Numbering Plan Identification fields between GSM and TIA/EIA-136.

Recommendation

For information only.

Introduction

Discussions regarding contributions TR45.3.6/00.05.08.14 and TR45.3.6/00.05.08.15 brought out the advantages of re-using the $DF_{TELECOM}$ dialing number files such as Last Number Dialed, Abbreviated Dialing Numbers, MSISDN, etc., for TIA/EIA-136 operation instead of creating new corresponding EFs under the TIA/EIA-136 DF. The issue with utilizing the TELECOM directory is that the Type of Number and Numbering Plan Identification fields have different descriptions for some codes when compared to TIA/EIA-136 encoding. This contribution provides tables with a comparison of the different encoding, which could be useful when considering a course of action for TON/NPI harmonization.

Encoding Comparison

Type of Number:

Code	TIA/EIA-136-123-B	3G TS 24.008 Version 3.3.1 (2000-04) (*IE descriptions were moved from GSM 04.08 to 3G TS 24.008 for Release 1999)*
000	Unknown	Unknown
001	International Number	International Number
010	National Number	National Number
011	Network Specific Number	Network Specific Number
100	Subscriber Number	Dedicated Access, Short Code
101	Reserved	Reserved
110	Abbreviated Number	Reserved
111	Reserved for Extension	Reserved for Extension

Numbering Plan Identification:

Code	TIA/EIA-136-123-B	3G TS 24.008 Version 3.3.1 (2000-04) (*IE descriptions were moved from GSM 04.08 to 3G TS 24.008 for Release 1999)*
0000	Unknown	Unknown
0001	ISDN/telephony numbering plan (ITU Recommendation E.164 and E.163)	ISDN/telephony numbering plan (ITU Recommendation E.164 and E.163)
0010	Reserved	Reserved
0011	Data numbering plan (ITU Recommendation X.121)	Data numbering plan (ITU Recommendation X.121)
0100	Telex numbering plan (ITU Recommendation F.69)	Telex numbering plan (ITU Recommendation F.69)
0101	Reserved	Reserved
0110	Land mobile numbering plan (ITU Recommendation E.212)	Reserved
0111	Reserved	Reserved
1000	Reserved	National numbering plan
1001	Private numbering plan	Private numbering plan
1010	Reserved	Reserved
1011	Reserved	Reserved for CTS (see GSM 04.56)
1100	Permanently Reserved	Reserved
1101	Binary Internet Address	Reserved
1110	Alphanumeric Internet Address	Reserved
1111	Reserved for extension	Reserved for extension