

3GPP TSG CN Plenary Meeting #21
17th - 19th September 2003. Frankfurt, Germany

NP-030371

Title: [DRAFT] LS on DNS domains used in 3GPP TS 23.003
Response to: LS (N4-030876) on Changes to enable the GSMA root DNS architecture.
Release: Rel-5 onwards.

Source: 3GPP TSG CN
To: GSMA IREG
Cc: 3GPP TSG CN WG4, 3GPP TSG CN WG1

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Attachments: NP-030370

1. Overall Description:

3GPP TSG CN thanks the GSMA IREG WG for their LS (originally addressed to 3GPP TSG CN WG4) identifying inconsistencies within the "Numbering, Addressing and Identification" document, 3GPP TS 23.003, pertaining to the definitions of the ".gprs" domain and the specification of the domain "3gppnetwork.org".

3GPP TSG CN informs GSMA IREG WG that the attached change request to 3GPP TS 23.003 has been approved. This addresses, and hopefully resolves, the issues which GSMA IREG WG identified in their LS; it also implements the modifications that were agreed during the IETF/GSMA/3GPP conference call held on 8th September 2003 for the use of the ".3gppnetwork.org" domain. The CR will be applied to 3GPP TS 23.003 from Release 5 onwards, so as not to cause backward compatibility problems with the private and public identities used by an IMS client in UEs where the UICC does not contain an ISIM application.

However, 3GPP TSG CN would like to warn GSMA IREG that there will be issues with the use of the ".gprs" domain and the ".3gppnetwork.org" domain for APNs and RAIs for inter-PLMN roaming, logical names of SGSNs for inter-SGSN handover and logical names of RNCs for SRNS relocations. This is because Rel-4 and earlier versions of 3GPP TS 23.003 still contain definitions of the ".gprs" domain as having both 3 and 4 digit MNCs and MCCs; furthermore, these versions do not describe the use of the ".3gppnetwork.org" domain. The changes were not considered for any version before Rel-5, because a frequent and serious mis-operation could not be identified. Configuration in DNS servers can provide the necessary work-around for this issue (i.e. entries for both 3-digit and 4-digit versions of MNCs and MCCs in the domain).

Therefore, 3GPP TSG CN asks GSMA IREG WG to inform their member operators that both forms of the ".gprs" domain names and the ".3gppnetwork.org" domain name defined in the new version of 3GPP TS 23.003 (version 5.7.0) will need to be supported for an indefinite amount of time until all operators have configured their networks to use only the 3 digit MNC and MCC version of the ".gprs" domain and/or the ".3gppnetwork.org" domain name. This would have been necessary anyway for the ".gprs" domain name, even if changes were made to versions of 3GPP TS 23.003 before Rel-5.

2. Actions:

To GSMA IREG group.

ACTION: 3GPP TSG CN asks GSMA IREG to note the change request to the Rel-5 version of 3GPP TS 23.003 and to also note the warning and recommendation above about the parallel running of multiple domain names to resolve incompatibilities.

3. Date of Next CN Meeting:

CN #22 9th – 12th December 2003