



Liaison Statement to 3GPP TSG CN and 3GPP TSG CN4 on DNS domains used on the GRX

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High Level Document Summary:

This document proposes an LS to 3GPP TSG CN and 3GPP TSG CN4 on DNS domains used on the GRX. It is a response to the incoming LS from 3GPP TSG CN4 in document PACKET_112/03.

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Title: LS on DNS domains used on the GRX
Response to: LS (N4-031367) on "LS on DNS top level domains"
Release: Rel-5 onwards

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

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Attachments: None.

1. Overall Description:

Introduction

The GSMA IREG PACKET working party thanks 3GPP TSG CN4 for their response LS in N4-031367 informing GSMA IREG PACKET of the additional reasoning and ramifications of using the additional domain name of ".3gppnetwork.org" in addition to the already agreed technical arguments.

After discussions within GSMA IREG PACKET, it was decided not to contact the IETF to attempt to reverse the decision to use a publicly routable (but not publicly available) domain name for future services requiring DNS resolution on the GRX. Hence, the new domain name of ".3gppnetwork.org" will be supported on the GRX for the case where an IMS client does not have access to an ISIM.

However, GSMA IREG PACKET notes that the introduction of the new domain, and the maintenance of it will result in an additional configuration load on mobile operators and GRX providers, and will increase the risks of data inconsistency.

GSMA IREG PACKET asks 3GPP TSG CN and 3GPP TSG CN4 that only the aforementioned service and any future services requiring DNS resolution on the GRX use this new domain name of ".3gppnetwork.org". All "legacy" services that currently use the ".gprs" domain name (e.g. GGSN IP address resolution, inter-PLMN handover for GPRS, etc.) will continue to use the ".gprs" domain name by operators (it is not conceivable to migrate them to the new ".3gppnetwork.org" domain name because this could potentially affect current services within mobile operator's networks).

It was also noted by GSMA IREG PACKET that the structure for the ".3gppnetwork.org" domain is currently different to that used for the ".gprs" domain. Therefore, GSMA IREG PACKET asks 3GPP TSG CN and 3GPP TSG CN4 to align the structure of the ".3gppnetwork.org" domain where appropriate to that of the ".gprs" domain (i.e. "mnc<MNC>.mcc<MCC>.3gppnetwork.org" where <MNC> and <MCC> are 3 digits in length, with leading zeros where necessary) to ease administration and maintenance.

GSMA IREG PACKET hopes that the request in a previous LS to 3GPP TSG CN4 to correct the structure of the ".gprs" domain to use only 3 digit MNC and MCC values instead of 4 digits in some instances in 3GPP TS 23.003 can also be approved.

2. Actions:

To 3GPP TSG CN and 3GPP TSG CN WG4 groups.

ACTION: GSMA IREG PACKET working party asks 3GPP TSG CN and 3GPP TSG CN4 groups to:

1. Use the ".3gppnetwork.org" domain name only for the case where an IMS client does not have access to an ISIM and for any future services; legacy services should still be allowed to use the ".gprs" domain.

2. Align the structure of the ".3gppnetwork.org" domain to that used for the ".gprs" domain.
3. Correct the instances in 3GPP TS 23.003 where it is stated that 4 digit MNCs and MCCs are used in the ".gprs" domain name, to state that only 3 digit MNCs and MCCs shall be used.

3. Date of Next GSMA IREG PACKET Meeting:

GSMA IREG PACKET #17 February 2004 (exact date TBD)