



Reply LS to LS on "Reservation of a new sub domain under '.3gppnetwork.org'" from 3GPP TSG-CT WG4 (C4-050869)

Meeting Name & Number: IREG # 49
 Meeting Date: TBA
 Meeting Location: TBA
 Document Source: GSMA/IREG Packet
 Document Creation Date: 24/05/05

Document Status:	For Approval	
	For Information	
	For Discussion	

Associated Knowledge Base(s):	
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Document History:	

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High Level Document Summary:

This document is a reply LS to 3GPP on reserving a certain sub domain name for the purpose of locating the PDG using a FQDN known as a W-APN.

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To: 3GPP TSG-CT, 3GPP TSG-CT WG4
Copy: 3GPP TSG-CT WG1

From: GSMA IREG
Subject: Reply LS to LS on "Reservation of a new sub domain under '.3gppnetwork.org'" from 3GPP TSG-CN (C4-050869)
Date: 24/05/2005

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Introduction

GSMA IREG thanks 3GPP TSG-CT WG4 for their LS on "Reservation of a new sub domain under ".3gppnetwork.org" in connection with WLAN Interworking (C4-050869).

3GPP TSG-CT WG4 asked GSMA IREG to consider the information presented in their LS and reserve the proposed sub-domain of ".3gppnetwork.org" as defined in C4-050869 for the purpose of locating the PDG (Packet Data Gateway) using a FQDN known as a "W-APN". 3GPP TSG-CT WG4 also kindly asked GSMA to respond **before the 1st – 3rd June** to the 3GPP TSG CT Plenary group in time for their next meeting.

Discussion

GSMA IREG has discussed the general implications of UE initiated DNS queries towards the GRX DNS, such as it is the case when locating a PDG using a W-APN but also for other such services in the future. It was noted that there should be a more easily manageable way for operators to prevent UEs resolving domain names other than those required by such a service. Thus it was agreed to have a different sub-domain for *all* GRX domain names that need to be resolved by UEs. The new sub-domain that is to be used for all FQDNs of nodes that are to be resolvable by the UE is the following:

`mnc<MNC>.mcc<MCC>.pub.3gppnetwork.org`

In the general case (i.e. for all future services which require a UE to perform DNS resolutions) it allows for easier O&M on behalf of the access network owner, the 3GPP operator, and also the GRX service provider.

In the particular case of W-APN resolution, this allows the WLAN AN owner, the directly connected 3GPP operator(s), the indirectly connected 3GPP operator(s) and the root DNS servers on the GRX to more easily allow only the W-APN domain name to be resolved by the UE and prohibit all other domain names (e.g. those used for IMS, GAA etc) from being resolved.

Conclusion

GSMA IREG, before accepting the proposal from 3GPP TSG-CT WG4, would therefore like to modify the proposed sub-domain for the W-APN OID (Operator ID) to the following which is considered to be more secure and easier to manage:

`w-apn.mnc<MNC>.mcc<MCC>.pub.3gppnetwork.org`

Actions:

GSMA IREG kindly requests 3GPP TSG-CT to:

- Update 3GPP TS 23.003 with the modified sub-domain allocation for the W-APN OID.

GSMA IREG kindly requests 3GPP TSG-CT WG4, in their role as the owners for the addressing specification of 3GPP TS 23.003, to:

- Note the new sub-domain allocation described in the "Discussion" section of this LS for use in all future FQDNs that are to be resolvable by the UE.