Source:	**ORANGE**
Title:	**Management of the "3GPPnetworg.org" domain**
Agenda item:	**5.3**
Document for:	**Discussion**

Context:

There were intensive discussions on the format of address used for "private" routing inside 3GPP networks between 3GPP and GSMA, and also inside 3GPP.
According to the GSMA/IREG LS received by CN plenary, it seems that GSMA/IREG accepts that the domain "3gppnetwork.org" is used for public and private addresses' domain name during the registration of a subscriber without ISIM.

As specified in GSMA LS, it is only possible to use this domain for private addressing and the domain "3gppnetwork.org" shall not be used outside 3GPP operators ("The domain shall not be publicly available").

This document raises the needed questions that shall be answered in order to insure that "3gppnetwork.org" will not be publicly available.

Questions on the management of the "3GPPnetwork.org" Domain:

3GPPnetwork.org domain has been registered by ETSI on behalf of 3GPP., In consequence, it is up to 3GPP to manage the use of this domain. Therefore, the conditions for this addressing resource management delegation have to be clarified.

1. Who will own and manage the DNS server authoritative for "3GPPnetwork.org" domain?
As a comparison, the DNS server authoritative for the ".gprs" domain is managed by GSMA directly.

2. Who is in charge of the allocation of sub-domains?
   - What will be the criteria to fulfil to allocate a sub-domain (e.g. be a 3GPP operator)?
   - For sub-domains in the form MNC.MCC.3GPPnetwork.org how will it be ensured that an organisation will get a sub-domain *only* if it is the assignee of MNC under the corresponding MCC. More generally how is consistency between the E.212 IMSI plan and the 3GPPnetwork.org naming structure maintained?
   - For the other sub-domains, e.g. service.3GPPnetwork.org, what will be the conditions to fulfil to get them?

3. Except the above mentioned case of IMS subscriber without ISIM, what are the other planned usages of the 3gppnetwork.org domain?

4. How will it be ensured that "3GPPnetwork.org" domain will be used only by 3GPP operators and GRX, and will not be accessible e.g. via the Internet by third parties, as requested by GSMA?
This would mean that the domain shall not be publicly available ("not publicly available" means here that addresses which end with 3GPPnetwork.org can only be used within a 3GPP operator and within GRX).

5. What will be the "3GPPnetwork.org" sub-domain structure?
Always *whatever*.mnc.mcc.3gppnetwork.org?

The answers to these questions will define the main rules of the management of the "3gppnetwork.org" domain. These answers will also check that the GSMA requirements related to the use of "3gppnetwork.org" domain are fulfilled and that 3gppnetwork.org can legitimately be used for IMS addresses.

Action:

Action 1: ETSI/3GPP secretary to inform 3GPP CN of the conditions and the commitments to ICANN concerning the management of the "3gppnetwork.org" domain.

Action 2: define what will be the management rules of the 3gppnetwork.org domain by (at least) answering the above questions

Action 3: inform GSMA about these management rules in order to have the confirmation that they correspond to their understanding and fulfil their requirements

Action 4: inform all the relevant 3GPP groups in which cases the 3gppnetwork.org domain can be used, what is its structure, how a new sub-domain can be allocated and by whom.