3GPP2 CORRESPONDENCE

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Mr. Ihab A. Guirguis
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Re: LS proposing work split 3GPP/3GPP2/OMA on Presence

Dear Ihab,

3GPP2 thanks OMA PAG for its liaison statement about proposing work split on the Presence work.

3GPP2 would like to make the following points about the scope of Presence work in 3GPP2 as specified by OMA PAG:

- Define IMS message profiles for the OMA Presence framework.
- 3GPP/3GPP2 is proposed to define the SIP/XCAP procedures how the presence-related content is transferred between different network entities in an IMS network, (using PUBLISH, NOTIFY etc.) including header fields.

3GPP2 X.P0013-004-A specifies the IMS Call Control Protocol based on SIP and SDP including the SIP/SDP message profile definitions. OMA can rely on this specification to be used with the OMA Presence framework assuming that the SIP/IP core network in the OMA PAG presence architecture is implemented by the 3GPP2 MMD network. 3GPP2 believes that this work is already covered by the above mentioned 3GPP2 specification.

3GPP2 X.P0027-003 specifies the presence service protocol communication between an IMS UE and an IMS AS based on the IETF SIP/SIMPLE work (including SIP/XCAP procedures).

- Define how the Presence IETF SIP framework is used in a well defined IMS architecture to transfer Presence Information from the UE to AS and the opposite (e.g. definition of the mandatory and optional headers of the SIP methods used by the Presence event framework) or between ASes.

3GPP2 X.P0027-001 specifies the functional architecture for the presence service.

3GPP2 X.P0027-003 specifies the presence service protocol communication between an IMS UE and an IMS AS based on the IETF SIP/SIMPLE work.

As said in the previous point, 3GPP2 X.P0013-004-A specifies the SIP/SDP message profiles used in IMS networks (i.e. including mandatory and optional headers of the SIP methods used by the Presence event framework).

3GPP2 believes that this work is already covered by the above mentioned 3GPP2 specifications.

- Specify the mechanisms for transporting presence information from 3GPP/3GPP2 specific network elements (e.g.GGSN, IMS elements, etc) to the Presence Network Agent.
- 3GPP/3GPP2 is proposed to define a SIP interface for the Presence Network Agent (3GPP/3GPP2 Pen).

3GPP2 X.P0027-003 also specifies the Pi reference point (as how it is defined in 3GPP2 X.P0027-001), i.e. the communication between the IMS Serving-CSCF and the PNA, in order to gather presence information from the S-CSCF to the PNA.

The 3GPP2 X.P0027-004 specification defines the Pk reference point, i.e. the communication between the HAAA and PNA in order to gather presence information from the HAAA to the PNA. The presence information carried over other network interfaces (Pc, Ph, Pl) is currently not in the scope of this specification.

3GPP2 recently agreed to choose the SIP protocol for the Pen reference point (between the PNA and the Presence Server). The detailed specification of the Pen reference point will also be documented in 3GPP2 X.P0027-004.

3GPP2 believes that this work is already (partly) covered by the above mentioned 3GPP2 specifications.

- Specify all other procedures required to support network specific aspects of presence, for example, charging and security.

3GPP2 X.P0027-002 specifies the security mechanisms for presence. This specification mainly concentrates on user aspects of presence security, at the moment. If any network aspects of presence security should be covered based on the ongoing work in 3GPP2 X.P0027-004, 3GPP2 will make sure that the specification will cover that. Additional security mechanisms for the presence service are described in various IMS security documents.
The charging aspects of the 3GPP2 presence service are covered by various IMS charging documents.

- 3GPP/3GPP2 is also proposed to define the mappings between the presence information available from interfaces on those networks, and the presence elements defined by OMA such that presence sources (PNAs, PUAs.) can publish their information to the Presence Server in a standard format.

As it has been recently agreed, the Pen reference point is a standard IETF SIP/SIMPLE based interface utilizing the SIP PUBLISH method.The format to represent the network-specific presence information is currently under discussion, the standard IETF PIDF representation is being considered. 3GPP2 X.P0027-004 will contain such information mapping to PIDF.
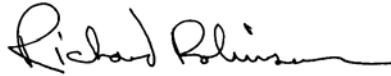
- 3GPP/3GPP2 is proposed to define the normative text for how the HTTP headers are populated. If not, it is expected that this will cause problems when defining the security

to be used and also when describing how the Authentication proxy work. It is therefore proposed to cover also this aspect in the 3GPP/3GPP2 specifications.

In the 3GPP2 Ut interface, the HTTP headers are populated according to the HTTP RFC, therefore 3GPP2 does not see the need to further specify it in 3GPP2 specifications.

3GPP2 will consider meeting OMA PAG, if a specific need arises in the future.

Regards,

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