Broadband Forum Liaison To:
3GPP Liaison Coordinator <3GPPLiaison@etsi.org>
3GPP TSG SA WG2
Puneet Jain, 3GPP TSG SA WG2 Chairman <puneet.jain@INTEL.COM>
Peter Leis, 3GPP CT1 Chairman <peter.leis@nokia.com>

From:
Lincoln Lavoie,
Broadband Forum Technical Committee Chair <lylavoie@iol.unh.edu>

Liaison Communicated By:
Manuel Paul, BBF Liaison Officer to 3GPP <manuel.paul@telekom.de>

Date: July 15, 2019

Subject: Response to 3GPP S2-1906266 on SUPI formats for 5WWC

Dear colleagues,

This liaison provides feedback on scenario 2 of your liaison S2-1906266; where a SUPI for a FN-RG contains a line ID.

We have discussed current practice with a number of member operators and conclude the following:

1) An operator who wholesales access to subscribers via an access provider requires a means of ensuring uniqueness of line IDs sourced from multiple access providers while preserving the 3rd Party Provider line ID information within their systems. We recommend a 5 digit field that identifies the access provider to be administered by the W-AGF operator be included as part of the line ID information encoded in a SUPI. Our expectation is that a W-AGF would be provisioned with this information in order to augment line ID information received from access providers.

2) Operators today may not use all information encoded in line ID information received from access equipment as a subscriber identifier. An operator may use the remote ID, the line ID or both as a subscriber identifier in current systems. Therefore, to ease the transition and IT effort to port line ID based subscriber information into 5G systems, we would recommend that the components extracted from line ID information for SUPI construction be selectable.

We would observe that the above only ensures uniqueness of SUPIs within a single operator network. If the PLMN-ID of the W-AGF operator is included in the SUPI, global uniqueness can be achieved, although we believe this would only be a consideration for roaming, which is not

considered for wireline in Release 16.

If only existing practice is considered, we require a variable length opaque object of up to 135 bytes to encode the line ID. However, some of our member operators have suggested this may be inadequate in the future. Therefore, we would suggest a variable length opaque object with the maximum length being the largest size that can be encoded in a SUPI net of any other fields. We will document encoding of the opaque value in WT-456.

We are looking forward to continuing our fruitful collaboration.

Sincerely,

Lincoln Lavoie,
Broadband Forum Technical Committee Chair

CC:
liaisons@broadband-forum.org

Robin Mersh, Broadband Forum CEO <rmersh@broadband-forum.org>
April Nowicki, Broadband Forum Member Support Manager <anowicki@broadband-forum.org>
David Allan, Broadband Forum WWC Work Area Director <david.i.allan@ericsson.com>

Broadband Forum Reference:
LIAISE-310

In Response to Incoming Liaison:
LIAISE-305; your ref: S2-1906266

Date of Upcoming Broadband Forum Meetings
A list of upcoming meetings can be found at https://www.broadband-forum.org/news-events/meetings/upcoming-bbf-meetings

Attachments:
none