Results from recent IETF coordination meetingFrom: Blommaert Marc
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Sent: tisdag 29 januari 2002 07:42
To: 3GPP_TSG_SA_WG3@LIST.ETSI.FR
Subject: FW: Results from recent IETF coordination meeting


-----Original Message-----
From: Stephen Hayes (EUS) [mailto:Stephen.Hayes@AM1.ERICSSON.SE]
Sent: maandag 28 januari 2002 18:28
To: 3GPP_TSG_SA@LIST.ETSI.FR
Subject: Results from recent IETF coordination meeting


Dear Colleagues,

As part of the ongoing coordination effort between the 3GPP and IETF, I would
like to report the results of recent discussions between the IETF ADs, Ileana
Leuca, myself, and various IETF WG chairs, editors and rapporteurs (Conference
call held March 25).

The recent discussions cover 3 areas:
1. Overall progress within the IETF in meeting the 3GPP delivery dates
2. Progress in the privacy area
3. Feedback on 3GPP SIP security assumptions

1. Overall progress within the IETF in meeting the 3GPP delivery dates:

The IETF is working very hard to meet the 3GPP target dates.  The current plan
is to have the 2543bis (SIPbis) RFC number assigned on March 7.  This is the
cornerstone of the IMS work for 3GPP.  This would allow TSG-CN plenary to make a
last minute revision to the specifications to include the RFC number in our
documents.  To do this, 2543 bis must go to last call on Feb 15.  I was
impressed by how committed the IETF leadership is to meeting our target dates.

It is expected that several other of the documents on which we have critical
dependencies will also have RFC numbers assigned by that time.  These include
draft-ietf-mmusic-sdp-ipv6 (replacement for draft-olson-sdp-ipv6) and draft-
ietf-dhc-dhcpv6.

The IETF will make every effort to have other SIP related dependencies
(manyfolks, call auth, sigcomp, etc.) ready in time, but cannot promise they
will be ready since many of these are dependent on 2543bis.

2. Progress in the privacy area:

The completion of draft-ietf-sip-privacy is a critical dependency for the 3GPP.
However, work on this draft has been stalled in the IETF.  How to progress this
work was discussed.  The following actions were agreed:

 - The SIP WG Chair (Dean Willis) will start discussion on the SIP mailing list
to ensure the 3GPP requirements and usage of privacy are covered.  This
discussion will also include security aspects.

- The current privacy draft will be edited to improve the readability and understandability.
 - The draft will be reissued to refer to 2543bis (mainly to address the security aspects).

3. Feedback on SIP security:

The IETF ADs brought up concerns with the current 3GPP assumptions on SIP security.  In particular:

 - IETF ADs suggested a simpler approach of encapsulating (AKA->http digest->SIP) to handle AKA instead of AKA->EAP->SIP. The EAP approach could not be standardized by June, could lead to interoperability problems if peers implement different extensions, and was felt to be unnecessarily general where a simpler mechanism would suffice. We were assured that specification of a 3GPP specific extension (for AKA) was not a problem in the IETF.  It was noted that too much generality at this point was probably inappropriate also because the IETF security protocols are still evolving.  Note that some extension of AKA is possible within the framework of http digest.

 - Key transport should NOT be bundled with the authentication protocols.  It is a separate issue and should be specified in separate drafts.  It should have suffcient security mechanisms to protect the key transfer.

 - Progress could be accelerated by breaking out the requirements for authentication and key transport requirements for authentication and key transport from the garcia draft.  In addition, it should be made clear what security assumptions (who trusts who) exist between the various 3GPP entities.

I would appreciate it if the Maurice could pass this e-mail along to the SA3 list as I am not subscribed to that list and this feedback should probably be considered in their ongoing discussions.

Regards,

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