<u>3GPP2 CORRESPONDENCE</u>

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Thomas Narten
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Re: DMU (Dynamic Mobile-IP Key Update)

Dear Thomas,

Thank you for your correspondence on DMU document. You have asked, "Is this document of interest to 3gpp2 and/or do you have any issues with it being published?". In response, please be advised that 3GPP2 TSG-X may have an interest in the subject matter addressed in the internet-draft, although it is not included in the current 3GPP2/TSG-X work plan. 3GPP2 TSG-X does not object to the publication of the internet-draft as an RFC.

TSG-X has received the attached comments from member companies on the internet-draft, and we suggest that these comments be forwarded to the authors for their consideration.

Regards,

Betsy Kidwell
Chair, 3GPP2 TSG-X

Att:
    TSG-X Comments on DMU ID

Cc:
    H. Cuschieri, 3GPP2 Secretariat
    H. Okinaka, Chair, 3GPP2 SC

Attachment:

1. Section 1

"This procedure is an add-on to the existing Telecommunications Industry Association (TIA) TR-45 Standard IS-835 [4]."

Comment: Suggested modification to make this statement generic:

"This procedure leverages the capabilities defined in existing 3GPP2 specifications."

2. Section 3 (Dynamic MIP key update advantages over OTASP)

    1. Comment: OTASP is a function defined within 3GPP2/TIA only and is probably unknown by IETF. Since the references made are TIA references which are not publicly available document, many members in IETF won't have access to them to understand what OTASP is. A reference to 3GPP2 document is more appropriate than TIA. Alternatively, a comment would be to delete section 3.
    2. If section 3 should be kept, then the last bullet must be deleted, and provide a cross-reference for OTASP to a 3GPP2 specification.

3. Section 4.5 (MIP_Key_Data Payload)

  "When the PDSN converts the MIP RRQ to a Radius Access Request (ARQ)
  message, the MIP_Key_Data Payload is converted from a MIP
  Vendor/Organization-Specific Extension to a 3GPP2 Vendor Specific
  Radius Attribute. "

Comment: It should be noted in the draft that there is no such 3GPP2-VSA defined in 3GPP2 standards to carry MIP_Key_Data at this time. Same applies to the corresponding mention of 3GPP2 VSAs included in RADIUS Access-Accept in the draft. Also we should point out that as noted in X.P0011-C, 3GPP2 VSAs are controlled and strictly assigned by 3GPP2 only.

4. Section 4.9 (PDSN / Foreign Agent(FA))

  1. Similarly, PDSN is not generally known in IETF. Propose to change the section to more known IETF terminology e.g., NAS / Foreign Agent (FA) or Foreign Agent only, and change PDSN instances to NAS/FA or FA.

5. Section 6:

" The method of MN_Authenticator delivery to the RADIUS/DIAMETER AAA is
  outside the scope of the TR-45/3GPP2 Standard, allowing Service
  Providers the flexibility to determine the most efficient/least
  intrusive procedure to support MN authentication (during the DMU
  Procedure). "

Comment: MN_Authenticator is not defined in TR-45/3GPP2 standard. The above text should say:
The method of MN_Authenticator delivery to the RADIUS/DIAMETER AAA is outside the scope of this draft....

6. Section 6.2:

" MN authentication using the MN_Authenticator gives the service
   provider the maximum flexibility in determining how to deliver the
   MN_Authenticator the AAA Server. The method of MN_Authenticator
   delivery is outside the scope of the TR-45 IS-835/3GPP2 P.S0001-A-1
   Standard. "

Comment: Similar to previous comment it should say:

....The method of MN_Authenticator delivery is outside the scope of this draft.

7. Section of References:

" 9 TIA/EIA-IS-634-A, Interoperability Specifications (IOS) for
     cdma2000 Access Network Interfaces, Telecommunications Industry
     Association, August 2001 "

Comment: It is not necessary to reference 3GPP2 IOS here. Nevertheless, 3GPP2 IOS standard should is TIA-2001 family of standards.