

Title: Reply LS on Questions on re-authentication for end-to-end tunnel establishment
Release: Rel-6
Work Item: WLAN Interworking

Source: SA3
To: SA2
Cc: CN1

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1. Introduction

SA3 thanks SA2 for the received LS about re-authentication for end-to-end tunnel establishments. SA3 has discussed the feasibility of a PDG re-assignment from authentication point of view and the possibility of using the existing EAP fast re-authentication method already described in TS 33.234

2. Conclusions

SA3 considers that it is possible to perform EAP fast re-authentication over IKEv2 in a second tunnel establishment authentication, which is faster than a full re-authentication. In order to initiate this EAP fast re-authentication, the home network has to provide in the previous authentication process (the authentication with the first PDG) a re-authentication identity, which will be returned to the home network in the next authentication process (which corresponds to the alternative PDG tunnel establishment). Then the alternative PDG will retrieve the keys used in the first authentication from the AAA server (via Wm interface), thus not deriving new keys in this procedure and saving processing time. The WLAN UE will re-use the same keys from the first authentication process as well.

4. Actions:

None

3. Date of Next TSG-SA3 Meetings:

SA3#33 11th – 14th May 2004 Beijing, China