
3GPP TSG-SA WG2 meeting #36
New York, USA, 24-28 November 2003

Tdoc S2-034384

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

Source: SA WG2
To: SA WG3
Cc: CN WG1

Contact Person:

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Attachments: None

1. Overall Description:

SA2 has further discussed the architecture for provision of 3GPP PS Domain Services over WLAN based on an end-to-end tunnelling approach. The currently agreed architecture includes the possibility that an initial tunnel establishment request from the UE may be rejected by the network and that this rejection may be accompanied by an indication of an alternative PDG that the UE should use instead.

This rejection may occur after the user's subscription has been checked and so, in SA2's understanding, after authentication has taken place (SA2 assumes that the subscription cannot be checked before authentication since, in particular, it would not be reliably known whose subscription to check).

Concern was expressed that a repeated authentication exchange would be required for the second tunnel establishment request. SA2 would therefore like to ask SA3 whether it will be possible to provide for a shorter authentication mechanism within such subsequent exchanges. SA2 notes that even though the repeated attempt may be to a different PDG (in the same or different PLMN from the original one), the PDG will always need to contact the 3GPP AAA Server in the Home PLMN as part of the authentication and authorisation mechanism.

2. Actions:

To SA3:

- To consider whether subsequent tunnel establishment requests can be authenticated using a shortened authentication mechanism
- If this is possible, to provide feedback to SA2 on the advantages and disadvantages of such an approach.

3. Date of Next TSG SA WG2 Meetings:

SA2#37
SA2#38

12 - 16 Jan 2004
16 - 20 Feb 2004

Innsbruck, Austria
Atlanta, USA