3GPP TSG-SA WG2 meeting #36　　　　　　　　　　　　**Tdoc S2-034362**
New York, USA 24th – 28th November 2003

Title:	Reply LS on security implications of Gq interface
Response to:	S2-032818 (S3-030444)
	S2-033909 (N3-030830)
Release:	Rel-6
Work Item:	QoS1

Source:	SA2
To:	SA3, CN3
Cc:	-

Contact Person:
　　Name:　　　　　Balazs Bertenyi
　　Tel. Number:　　+36 20 9777797
　　E-mail Address:　balazs.bertenyi@nokia.com

Attachments:　　　None

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1. Overall Description:

SA2 would like to kindly thank SA3 and CN3 for their respective LSs on the security aspects of the Gq interface.

The LS in S2-032818 (S3-030444) indicates that NDS/IP is able to provide the necessary security functionalities for Gq. However, the LS also points out that NDS/IP by definition only provides interfaces within and between 3GPP operator domains. This has the implications that NDS/IP formally cannot provide protection to "external" parties. Hence, SA WG3 asks whether the "third party" is considered to be within a 3GPP domain or not.

SA WG2 would like to advise SA WG3 that the AF is considered to be provided within a 3GPP operator domain, or within the domain of a 3GPP trusted body such as GSMA. Usage of Application Functions outside of these domains is considered outside the scope of these specifications.

However, operators may still elect to use an AF server outside of these domains. The operator and the AF provider must ensure that security mechanisms such as NDS/IP are in place between the operator domain and the AF server.

CN WG3 has also raised the following questions in LS S2-033909 (N3-030830):
-　if the support of third party AFs in an untrusted domain is required;
-　If the support of untrusted proxies is required.

SA2 would like to provide the following guidance:
1.　As indicated above, the specifications only cover AFs within operator PLMNs, or other trusted domains such as GSMA. Use of AFs outside of these domains are operator specific and outside the scope of 3GPP standardization.
2.　Support of untrusted proxies is not required. Furthermore, SA2 strongly recommends against the use of an untrusted proxy agent.

2. Actions:

To SA WG3 and CN WG 3.

Please note the statements relating to proxy agents and Application Functions within the network architecture, and consider these factors in the development of the stage 3 specifications.

3. Date of Next SA2 meetings:

SA2 #37	12th– 16th January 2004	Innsbruck, Austria
SA2#38	16th – 20th February, 2004	Atlanta, USA

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