

Title: **DRAFT** LS on Security Implications of Gq interface
Response to: LS S2-032745 (S3-030432) on LS on "Security Implications of Gq interface"
Release: Release 6

Source: SA WG3
To: SA WG2
Cc: -

Contact Person:

Name: Geir M. Køien, Telenor R&D
Tel. Number: +47 90752914
E-mail Address: geir-myrdahl.koien@telenor.com

Attachments: -

1. Overall Description:

SA3 would like to inform SA2 that NDS/IP (TS 33.210) is likely able to provide the necessary security functionality. The NDS/IP specification provides a generic security framework for network layer security and can provide confidentiality and integrity protection.

In the SA2 Ls S2-032745 (S3-030432) it is mentioned that: "TR 23.917 introduces a new interface (Gq) from an application function to the PDF. The Gq interface may be inter- or intra-operator, or to a third party. "

SA3 like to inform SA2 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. SA3 point this out since it is not clear to SA3 whether the "third party" mentioned in Ls S2-032745 (S3-030432) is considered to be within a 3GPP domain or not. Should the "third party" be located outside any 3GPP domain, NDS/IP cannot by definition protect the communication. SA3 like to point out that this is a question of definition and not a technical constraint.

2. Actions:

To SA WG2.

ACTION: TSG SA3 kindly asks TSG SA2 to consider using NDS/IP to solve the security requirements of the Gq interface for inter- or intra-operator, or to a third party.

SA3 also asks SA2 to check whether the "third party" is considered to be within a 3GPP domain or not, and if applicable to provide advise to SA3 on whether to extend the scope of NDS/IP for Release 6.

3. Date of Next SA3 Meetings:

S3-Ad-Hoc	3-4 September 2003	Sophia Antipolis, France (TBC)	ETSI (TBC)
S3#30	6 (13.00) - 10 October 2003	Porto, Portugal	European 'Friends of 3GPP'
S3#31	18-21 November 2003	London co-located with S3-LI (TBC)	DTI (TBC)