Title:	Draft Reply LS on security of the Diameter protocol for the Gq interface
Response to:	N3-030830/ S3-030671
Release:	Rel-6
Work Item:	
Source:	SA3
To:	CN3
Cc:	SA2

Contact Person:
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Attachments: S3-030444

1. Overall Description:

SA3 thanks SA2 for their LS on security of the Diameter protocol for the Gq interface.

SA3 recommends the use of NDS/IP (TS 33.210) for providing the necessary security for the Gq interface. SA2 has been informed about this recommendation in S3-030444 (attached).

SA3 would like to note that NDS/IP by definition provides security within the 3GPP domain. For any interface to an external party outside of the 3GPP domain, the operator and the external party need to agree on sufficient security mechanisms. Thus, if an operator allows its PDF to interface AF(s) outside its domain, security measures and agreed principles should be in place between the PDF and AF. In case of Diameter, these include the use of TLS or IPsec between the AF and the PDF.

SA3 would also like to note that intermediate un-trusted proxies should not be used when applying NDS/IP for inter-domain security.

The Diameter CMS Security Application Internet Draft has not been identified as a dependency between 3GPP and IETF, and no work in SA3 is currently dependant of this draft. For progressing the draft, interested parties should provide contributions within the appropriate groups in IETF.

2. Actions:

None.

3. Dates of Next SA3 Meetings:

SA3 Meeting #32	09-13 February 2004	Edinburgh (TBC)
SA3 Meeting #33	11-14 May 2004	Beijing (TBC)
SA3 Meeting #34	06-09 July 2004 (TBC)	USA (TBC)

Title:	**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:	**-**

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Attachments: **-**

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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 by within a 3GPP domain or not. Should the "third party" by 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)