Title:	**LS on Lr interface security**
Response to:	**LS on the protocol development for the GMLC Lr-interface LIF/SIG#10(02)-059 (S3-020478)**
Release:	**Rel-5 ??**
Source:	**SA 3**
To:	**LIF SIG**
Cc:	**SA 2, CN 4**

Contact Person:
    Name: Stefan Schröder
    Tel. Number: +49 882 936 3312
    E-mail Address: stefan.schroeder@t-mobile.de

Attachments: **None**

1. Overall Description:

SA3 thanks LIF SIG for their LS on Lr interface security.

Lr traffic carries subscriber related information (esp. privacy settings) and therefore 3GPP TS 23.871 v. 5.0.0 states: "When the request has to be delivered via an unsecured network, (e.g. the public IP-network) the PPR server needs to be authenticated and the traffic has to be secured." To SA3's understanding, the same applies to the architecture alternative with Lr as inter-GMLC interface.

Therefore, if traffic traverses an unsecured network, SA3 deems it appropriate to apply the following security services:

-     confidentiality protection
-     integrity protection
-     mutual authentication of communicating NE

NDS/IP specified in 3GPP TS 33.210 can provide these security services. Therefore, SA3 suggests to apply NDS/IP to the Lr interface.

2. Actions:

To LIF SIG.

ACTION: **LIF SIG is kindly asked to consider applying NDS/IP to the Lr interface.**

3. Date of Next SA 3 Meetings:

SA3 #26	19 - 22 November 2002	Oxford, UK
SA3 #27	25 - 28 February 2003	TBC