Title:	**Reply to LS on** the recommendation from IREG of non publicly routable IP addresses for the GPRS nodes
Response to:	**S2-032746 (S3-030433)**
Release:	**Rel-6**

Source:	**SA3**
To:	**SA2**
CC:	IREG, IREG Packet Group, GSMA WLAN Task Force, GSMA Security Group

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Attachments: None

Overall Description:

SA3 thanks SA2 for their LS on the recommendation from IREG of non publicly routable IP addresses for the GPRS nodes.

SA3 believes that hiding the IP address of the PDG on GRX using NAT or other techniques would not be useful from a security point of view. There are potential threats on the PDG, and those should be addressed so that the PDG is secured against attacks. No issues were raised in SA3 with the suggestion in SA2's liaison that a PDG address on GRX could be made visible and accessible to specific authorised UEs.

However, SA3 does not envision that NAT is a useful mechanism to meet these threats. Furthermore, NAT would add additional complexity to the system and is known to introduce incompatibilities with common tunnelling protocols like IPSec. Therefore SA3 does not recommend the use of NAT on the IP address of the PDG.

Actions:

To SA2:

SA2 is kindly asked to take above conclusion into their architectural discussions.

Date of Next SA3 Meetings:

SA3 ad hoc	3 – 4 September 2003	Antwerp, Belgium
SA3#30	6 – 10 October 2003	Povoa de Varzim, Portugal
SA3#31	18 – 21 November 2003	London, UK