



## **GSM North America**

*The North American Interest Group of the GSM Association*

3GPP TSG\_CN / SMG3  
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January 14, 2000

To: Alan Cox, Chair, 3GPP SA1  
Harald Dettner, Chair, 3GPP CN  
Niels Andersen, Chair, 3GPP SA  
Tuevo Jarvela, Chair, 3GPP SA2

cc: Asok Chatterjee, Chair, TIP1  
Linda Melvin, Director, GSM-NA  
Gary Jones, Chair, GSM-NA Standards Working Group  
M.V. Thomas, Chair, GSM-NA Services Working Group  
Randolph Wohlert, Chair, GSM-NA Location Services SubWorking Group  
Philippe Lucas, Chair, GSM Association SERG Group

Dear Chairpersons,

The GSM-NA is interested in the important work taking place within your organization regarding standardization of an All-IP network.

In our opinion:

- The standards process should be driven by service requirements, and
- The carrier community should be an integral part of this process, and
- Introduction of new technologies should improve the customer's service experience (i.e. should not impose a reduction in the service set available or a reduction in the quality of service).
- The introduction of All-IP networks should be accomplished in a manner allowing for a smooth integration with existing (i.e. GPRS and circuit switched) technologies to provide a clear and smooth evolution path.

The following high-level service requirements need to be incorporated for successful deployment of services based on an all-IP network. These should be considered when identifying more specific requirements.

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All-IP networks shall

- Provide backwards compatibility with the services offered by the Release 99 standard (including basic telecommunication services, supplementary services, and operator specific services)
  - The set of services available to customers shall be no less than the set of services available to customers obtaining service using existing GPRS and circuit switched technologies.
- Enable provision of services with the same (or greater) quality of service as GPRS and circuit switched services.
  - It shall be possible to offer services over an All-IP network with a quality of service that is no less than that already experienced by customers of existing GPRS and circuit switched networks.
  - The enabling mechanisms (transport technology, etc.) should be transparent to the customer.
- Enable provision of the same (or greater) degree of privacy, security, and authentication as GPRS and circuit switched services.
- Support roaming between All-IP networks and non-All-IP networks (including handover / cell re-selection).

We respectfully request your organization to incorporate these requirements as part of the All-IP Service requirements specification. They may also prove useful as guidelines for more detailed discussions on specific requirements and standards decisions.

Sincerely yours,

[signed copy on file]

Jim Murrell  
Chair, GSM North America