

**3GPP TSG SA All-IP Work Shop**  
**7-9 February, 2000**  
**Nice, France**

**AIP-(00)0020**

**Date:** January 26, 2000

**Source:** GSM Association ISG

**To:** 3GPP All-IP Work Shop  
3GPP TSG SA,  
3GPP TSG WG SA1  
3GPP TSG WG SA2  
3GPP TSG CN

**Cc:** T1P1  
GSM NA  
GSMA SERG

**Subject:** All-IP standardisation

**Agenda Item:** 5(?)

The IMT2000 Steering Group (ISG) of the GSM Association has considered the contribution from GSM NA on an All-IP network (enclosed) and expresses its full support for the views and requirements in that paper. The vision and beliefs of the GSMA ISG correspond with those expressed in the enclosed paper.

In particular, GSMA ISG wants to emphasize the necessity and importance of ensuring that an All-IP introduction can be accomplished in a manner allowing for an easy integration with existing technologies (GPRS and circuit switched) to provide a clear and smooth evolution path.

**GSM North America**

January 14, 2000

(Source: GSM NA)

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, T1P1  
 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.

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

GSM North America member companies: Aerial Communications, Airadigm Communications, BellSouth Mobility DCS, Communications Venture PC, Conestoga Wireless Company, Cook Inlet PCS, DigiPH PCS, Iowa Wireless, Microcell Telecommunications, NPI Wireless, Omnipoint Communications, Inc., Pacific Bell Wireless, PCS One, Inc., Personal Communications Network, Powertel, Southeast Telephone, Inc., Wireless 2000 PCS, and Wireless Telecommunications Company.