

**Source:** SA1  
**Title:** IM Emergency Call without USIM  
**Document for:** Discussion and Decision  
**Agenda Item:**

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**Attachments:** S1-010098 (S2-010359) LS on IM Emergency Call without USIM  
S1-010249 Response to LS on IM Emergency Call without USIM  
Na104001 Response to S1-(01)249 "LS on IM Emergency Call without USIM"

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SA1 would like to bring the following issue to the attention of TSG SA for consideration and decision. Direction is needed regarding the inclusion of support for IMS Emergency Calls without a USIM in Release 5.

At the most recent SA1 meeting a liaison S1-010098 (S2-010359) was received from SA2 requesting clarification of the requirements.

Within SA1 concern existed that provision of this capability in the release 5 timeframe might delay delivery of Release 5. However concern also existed that this may be a regulatory requirement for North American operators.

A response liaison was agreed upon that indicated "It shall be possible for Release 5 to enable compliance with regional regulatory requirements for emergency services. This may include the need to support SIM/USIM-less emergency call." Thus the issue was left open pending clarification of regional requirements. The liaison was provided to the GSM-NA to bring this to the attention of the North American carrier community.

The GSM-NA subsequently responded with a liaison (Na104001) indicating:

"The member companies of GSMNA are of the opinion that the Release 5 IMS specifications must enable compliance with North American regulatory requirements for emergency services, including special cases such as emergency calls without a USIM."

And:

"We urge you to immediately plan on incorporating this capability in Release 5 so as to minimize delay of the release delivery."

SA1 could attempt to resolve this issue at its forthcoming meeting in May, however we believe that it is necessary to take information from SA2 into account when deciding how to go forwards and also for the sake of expediency we are respectfully requesting SA#11 to review the overall picture and give guidance on how to proceed with Emergency Calls in Release 5.

TSG-SA WG 1 (Services) meeting #12TSG S1 (01) 0267  
Helsinki, Finland, 7-11 May 2001 Agenda Item:

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GSMNA Doc 104/01



**GSM North America**

*The North American Interest Group of the GSM Association*

February 21, 2001

To: 3GPP TSG-S1  
3GPP TSG-S2  
SERG  
GSM Association

Re: Response to S1-(01)249 "LS on IM Emergency Call without USIM"

Thank you for your notification of the S1 response (S1-010249) to the S2 LS (S2-010359) regarding the support of IM Emergency Call without SIM.

The member companies of GSMNA are of the opinion that the Release 5 IMS specifications must enable compliance with North American regulatory requirements for emergency services, including special cases such as emergency calls without a USIM.

We urge you to immediately plan on incorporating this capability in Release 5 so as to minimize delay of the release delivery.

Thank you for informing us of this matter.

Best regards,

[signed copy on file]

Robert L. Brown

Chair GSM North America

Email: [bob.brown@voicestream.com](mailto:bob.brown@voicestream.com)

Cc: Gary Jones, Chair, GSMNA Standards Working Group  
Randolph Wohlert, Vice Chair, GSMNA Standards Working Group  
Tim Wong, Chair, CTO Advisory Group  
Linda Melvin, Director, GSMNA

TSG-SA WG 1 (Services) meeting #11TSG S1 (01) 0098  
Capetown, SA 6<sup>th</sup> to 9<sup>th</sup> February 2001 Agenda Item: 7.1

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**3GPP TSG SA2#16**  
Los Angeles, California, US, January 22<sup>nd</sup> – 26<sup>th</sup>, 2001

**S2-010359**

**Title:** LS on IM Emergency Call without USIM  
**Source:** TSG\_SA WG2  
**To:** TSG\_SA WG1

**Contact Person:**

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SA2 have discussed contributions proposing solutions on making an emergency call via the IM subsystem both for an IM UE without a USIM, and, for an IM UE with a USIM but which is not attached to the SGSN (eg roaming bar or prepay expiry). SA2 requests SA1 for guidance on the requirements for an IM UE making an emergency call without a USIM for Rel 5. It has been proposed in SA2 that in Rel 5 all emergency calls from an IM UE (with and without USIM) are made via the CS domain rather than the PS domain. This saves work on GPRS and IM enhancements required to enable emergency calls. SA2 also notes that, due to regulatory requirements, such a solution is likely to mandate the implementation of the CS domain for Rel 5 by all operators and all manufacturers of “mobiles that look like phones”.

**SA2 asks SA1:**

Is it required that an IM UE without a USIM be able to make an emergency call via the PS domain and the IM subsystem in Rel 5?

Is it required that an IM UE with a USIM but which is not attached to the SGSN be able to make an emergency call via the PS domain and the IM subsystem in Rel 5?

Is it acceptable for R5 for all emergency calls from IM capable UEs to be delivered over the CS domain?

**Next Meeting:**

The next meeting of SA2 is February 26<sup>th</sup>-March 2<sup>nd</sup> in Gothenburg Sweden

TSG-SA WG 1 (Services) meeting #11  
6<sup>th</sup>-9<sup>th</sup> February, 2001  
Cape Town, South Africa

TSG S1 (01) 249  
Agenda Item: 7.1

## Liaison Statement

**From:** 3GPP TSG-S1  
**To:** 3GPP TSG-S2  
**Cc:** SERG, GSM NA  
**Subject:** Response to S2-010359 (LS on IM Emergency Call without USIM)  
**Contact:** Mark Cataldo ([mcatald1@motorola.com](mailto:mcatald1@motorola.com), +44 777 55 8 22 88)  
**Attachments:** S1-010098 (S2-010359)

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S1 thanks S2 for their LS on IM Emergency Call without USIM (S1-010098/S2-010359). S1 appreciates that additional work is required by S2 and other working groups to implement emergency calls for IM UE without a USIM, or for an IM UE not currently attached to the SGSN. However S1 has determined that the alternative of forcing all IM UE to use the CS domain for all emergency calls is unacceptable.

S1 noted that if IMS users were required to use the CS domain to make emergency calls, it would result in the implicit requirement that all IM UE are (or may be) required by regulators in the future to make emergency calls are dual mode UE, (i.e. capable of accessing both the PS and the CS domains). Further, it would also implicitly require that an IM UE currently attached to the PS domain detaches and then attempts to reattach to the CS domain. This action may cause liability for the operator if the CS domain attach was to fail. Other issues to be considered include;

- the user was not aware he/she was using the PS domain, or
- the user was not aware of the fact that the PS domain did NOT support emergency calls, or
- the CS domain attach was to fail or be delayed.

S1 does not wish to delay the availability of R5, and has considered the different requirements options, and concluded that a phased approach shall be required. Given the potential complexity of the SIM/USIM and SIM/USIM-less scenarios, S1 has concluded that:-

- the IMS shall support emergency "voice calls" from an IM UE with SIM/USIM within the IMS for R5
- the IMS is not required to support emergency "voice calls" from an IM UE without a SIM/USIM within the IMS for R5

and that the support of emergency "voice calls" from IM UE without a SIM/USIM within the IMS is to be considered for a subsequent release. S1 notes that regulatory requirements regarding this topic are currently being considered in various countries, and that these requirements may subsequently be reviewed.

In response to S2's specific questions:

- ***Is it required that an IM UE without a USIM be able to make an emergency call via the PS domain and the IM subsystem in R5?***

It shall be possible for Release 5 to enable compliance with regional regulatory requirements for emergency services. This may include the need to support SIM/USIM-less emergency call.

- ***Is it required that an IM UE with a USIM but which is not attached to the SGSN be able to make an emergency call via the PS domain and the IM subsystem in R5?***

It is understood that S2 considered the scenario where the IM UE is unable to attach to the SGSN.  
No.

- ***Is it acceptable for R5 for all emergency calls from IM capable UEs to be delivered over the CS domain?***

No.

S1 thanks S2 for their input, and looks forward to working with S2 on the support of emergency services.



S1-010098.doc