



Network Reliability and Interoperability Council VII

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# **NRIC Council Meeting**

Focus Group 1B

**E9-1-1 Services for Satellite  
Communications**

March 29, 2005



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## Focus Group 1B Charter

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*“The Council shall present a report recommending the ways by which E9-1-1 services can be extended to satellite communications.”*

# Focus Group Structure and Report Process

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**Focus Group 1B  
E9-1-1 - Long Term**

- *The Focus Group worked as a single team to produce this report*
- *We also enhanced our recommendations on disabilities issues*

Focus Group 1B reached agreement around several elements of the effort to extend E9-1-1 to Satellites:

- A clear expectation that the emergency services network of 2010 will still support all of the desirable properties associated with today's existing emergency services network
- Next generation upgrades not occur until after 2010
- Persons with disabilities would benefit from improved E9-1-1 functions
- FCC should consider the technical feasibility and commercial reasonableness of retrofitting existing deployed satellite systems to meet new requirements

# Extending E9-1-1 to MSS Satellite Systems

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Each MSS operator should:

- Prepare a detailed feasibility and implementation plan to be evaluated by the FCC
- Emulate terrestrial providers of E9-1-1 where technically feasible and commercially reasonable
- Migrate their E9-1-1 call centers to Selective Routers or equivalent VoIP E9-1-1 call termination technology

## Extending E9-1-1 to FSS Satellite Systems

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No further requirements should be placed on  
current FSS systems

## E9-1-1 Disabilities Issues

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- Real-time text should be available wherever there is voice over IP – as it is now on PSTN
- Single industry standard for real-time IP text
- Ability of people with disabilities to use public use VoIP telephones to call E9-1-1
- Incorporate all FCC approved Video and Text Relay Services in E9-1-1 calls
- A small number of standard video formats for Video Relay Services should be used universally

## E9-1-1 IP Issues

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- Each packet services provider should prepare a plan for FCC evaluation detailing how and when it could meet the requirements of delivering location to endpoints
- Each provider of “switched” voice/text/video call services should prepare a plan for FCC evaluation detailing how and when it will be able to meet the requirements of delivering calls, with location and call back information, to the appropriate PSAP



## Next Steps

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- *For June Council Meeting:* Determine generic network architectures for E9-1-1 that can support the transmission of voice, pictures, data, location information, paging information, hazardous material messages, etc
- *For September Council Meeting:* Present a report that identifies the transition issues for the recommended generic network architectures and how the methods of accessing PSAPs should be modernized