draft-rosen-stir-emergency-calls

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Emergency Calls (to 9-1-1/1-1-2/9-9-9/...)

- Validation of calling party number is very important to emergency call authorities
- Swatting
- But “regular” stir is fine as long as the validation status is passed to the PSAP
- Emergency Calling on the Internet is defined by RFC6881
- There is no specification for the Resource Priority Header field for emergency calls
“esnet” Resource Priority Namespace

• Defined by RFC7135
  • 4 levels
  • Actually for use within an “Emergency Services IP Network” (ESInet)
  • Typically NOT on the call from Originating Service Provider

• PSTN doesn’t offer any priority to emergency calls
• It is desirable to provide priority for emergency calls.
• Recommend esnet.0, no recommendation on what “priority” means
• Does need to be protected against misuse
Call Backs

• PSAPs occasionally need to call an emergency caller back
• RFC7090 defines the use of SIP Priority (NOT RPH) ‘psap-callback’
• Does NOT define the use of RPH
• Recommend setting RPH to esnet.0
• Need to protect RPH and SIP Priority against modification