

STIR WG

IETF-106

Assertion Values for a Resource Priority Header Claim in Support of Emergency Services Networks

(draft-dolly-stir-rph-emergency-services-00)

November, 2019



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Background



- Personal Assertion Token (PASSport) Extension for Resource Priority Authorization [[RFC8443](#)] extended the Personal Assertion Token (PASSport) specification defined in [[RFC8225](#)] to allow the inclusion of cryptographically signed assertions of authorization for the values populated in the 'Resource-Priority' header field, which is used for communications resource prioritization.
 - The focus was on support of Government Priority Services RPH 'namespaces'.
- This document adds new assertion values for a Resource Priority Header ("rph") claim defined in [[RFC8443](#)], in support of Emergency Services Networks for emergency call origination and callback.
- This specification defines new assertions values for:
 - "ESorig": Emergency Services call origination
 - "EScallback": Emergency Services callback.

Proposed new Assertions



The following is an example of an "rph" claim for SIP 'Resource-Priority' header field with a "ESorig" assertion:

```
{
  "orig":{"tn":"CgPN"},
  "dest":{"tn":["911 or URN-SOS"]},
  "iat":1443208345,
  "rph":{"ESorig":["esnet,x"]}
}
```

The following is an example of an "rph" claim for SIP 'Resource-Priority' header field with a "ESorig" assertion:

```
{
  "orig":{"tn":"EmergNet Num"},
  "dest":{"tn":["CgPN that originated emergency call"]},
  "iat":1443208345,
  "rph":{"EScallback":["esnet,x"]}
}
```