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

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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"]}
}
```