

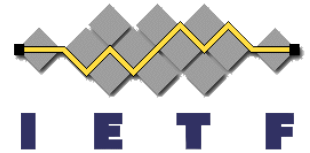
STIR WG Meeting

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

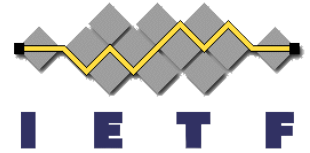
(draft-ietf-stir-rph-emergency-services)

Friday, July 31 2020

Martin Dolly, and Chris Wendt

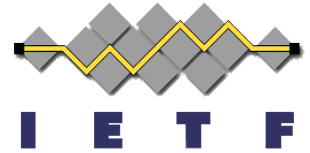


Background



- 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"]}
}
```

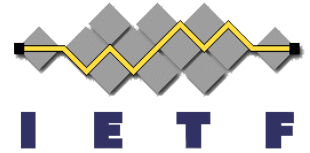
The following is an example of an "rph" claim for SIP 'Resource-Priority' header field with a "ESorig" assertion:

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

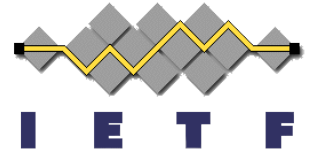
Updates

- Added Section 4 on The SIP Priority header "rph" claim:
 - RFC7090, I-D.rosen-stir-emergency-calls
 - The SIP Priority header may be set to the value "psap-callback" for emergency services callback calls.
 - A new claim key as part of the "rph" PASSporT, "sph", which **MUST** be used only for authorized emergency callbacks and correspond to a SIP Priority header with the value "psap-callback".

Example of an "rph" claim for SIP 'Priority'



```
{  
  "orig":{"tn":"12155551213"},  
  "dest":{"tn":"12155551212"},  
  "iat":1443208345,  
  "rph":{"EScallback":["esnet,x"]},  
  "sph":"psap-callback"  
}
```



Next Steps

- Need more eyes to review