Internet Protocol-based In-Vehicle Emergency Call

ECRIT WG

draft-rosen-ecrit-ecall-08.txt

IETF 86

March, 2013
Status

• The European eCall initiative focused on supporting automatically triggered emergency calls using legacy technology (using an in-band modem).

• eCall support currently tested in EU funded pilot project (HeERO, HeERO2).

• Similar activities in the US.

• draft-rosen-ecrit-ecall was written to introduce an IP-based equivalent for the eCall functionality (1st version from 2008).

• In the meanwhile the interest in deploying VoIP for cellular systems has increased and ETSI has started a special task force to look into this issue.

• With latest version Randy has joined as a co-author and the document was re-written.
Content

- Describes how to accomplish in-vehicular emergency services usage by re-using existing ECRIT specifications
  - Location shapes from RFC 5491 (2d and 3d Point Circle, and Ellipsoid)
  - Dynamic extensions from RFC 5962 (direction and heading element)
  - Uses test call functionality
- Defines new Service URNs
- Contains example
- Describes mapping with eCall specification
Example

```xml
<?xml version="1.0" encoding="UTF-8"?>
<presence xmlns="urn:ietf:params:xml:ns:pidf"
    xmlns:gp="urn:ietf:params:xml:ns:pidf:geopriv10"
    xmlns:gml="http://www.opengis.net/gml"
    xmlns:gs="http://www.opengis.net/pidflo/1.0"
    entity="sip:+13145551111@example.com">
    <dm:device id="123">
        <gp:geopriv>
            <gp:location-info>
                <gml:Point srsName="urn:ogc:def:crs:EPSG::4326">
                    <gml:pos>-34.407 150.883</gml:pos>
                </gml:Point>
            </gp:location-info>
            <gp:usage-rules/>
        </gp:geopriv>
        <timestamp>2012-04-05T10:18:29Z</timestamp>
        <dm:deviceID>1M8GDM9A_KP042788</dm:deviceID>
    </dm:device>
</presence>
```
Next Steps

• We would like to get the document adopted as a working group item.
• Refinements regarding the placement of various fields.
Feedback?