**3GPP TSG-CT WG1 Meeting #123-eC1-20abcd**

**Electronic meeting; 16-24 April 2020**

**Source: Ericsson**

**Title: V2X service continuity procedure corrections**

**Spec: 3GPP TS 24.486 v1.0.0**

**Agenda item: 16.2.12**

**Document for: Agreement**

**1. Introduction**

V2X service continuity procedure contains errors that should be corrected.

**2. Reason for Change**

The following issues need to be corrected in the V2X service continuity procedure

1. Incorrect procedure reference.
2. Missing <local-service-info> element structure
3. Editorial corrections

**3. Conclusions**

It is concluded that the above issues should be corrected.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.486 v1.0.0.

\*\*\* First change \*\*\*

### 6.7.1 Client procedure

In order to obtaining dynamic local V2X service information from a VAE server, the VAE client shall send an HTTP POST request according to procedures specified in IETF RFC 2616 [12]. In the HTTP POST request, the VAE client:

a) shall set the Request-URI to the URI included in the received HTTP response message for V2X service discovery procedure (see clause 6.6);

b) shall include a Content-Type header field set to "application/vnd.3gpp.VAE-local-service-info+xml";

c) shall include an application/vnd.3gpp.VAE-local-service- -info+xml MIME body and in the <local-service-info> root element:

1) shall include a <identity> element with a <V2X-UE-id> child element set to the identity of the UE which requests the local service information; and

2) shall include a <geographical-identifier> element with a <geo-id> child element set to the identity of the geographical location for which the local service information is requested.

\*\*\* Next change \*\*\*

### 6.7.2 Server procedure

Upon reception of an HTTP POST request message containing:

a) a Content-Type header field set to "application/vnd.3gpp.VAE-local-service- info+xml"; and

b) an application/vnd.3gpp.VAE-registration-+xml MIME body with a <local-service-info> root element, the VAE server:

1) shall determine the local service information (e.g. V2X server USD(s), V2X USD) corresponding to the geographical location information received in <geographical-identifier>; and

2) shall reply with a HTTP response with a <result> element of the <local-service-info> element set to a value "success" or "fail", and if the result is "success", the VAE server shall include a <local-service-info-content> element which provides the local service information to the VAE client.

\*\*\* Next change \*\*\*

## 8.3 Structure

The VAE document shall conform to the XML schema described in clause 8.4.

The <VAE-info> element shall be the root element of the VAE document.

The <VAE-info> element shall include at least one of the following:

a) an <identity> element;

b) a <registration-info> element;

c) a <de-registration-info> element;

d) a <location-tracking-info> element;

e) a <message-info> element;

f) a <service-discovery> element; or

g) a <local-service-info> element.

The <identity> element shall include a <V2X-UE-id> child element.

The <service-discovery> element shall include a <result> element and may include a <service-discovery-info> element.

The <service-discovery-info> element shall include an <identity> element.

The <registration-info> element shall include at least one of the following:

a) an <identity> element;

b) a <service> element; or

c) a <result> element.

The <service> element shall include a <V2X-service-id> or a <V2X-MSG-type> child element.

The <de-registration-info> element shall include the following:

a) an <identity> element; and

b) a <service> element.

The <location-tracking-info> element shall include one of the following:

a) an <identity> element shall include a <V2X-UE-id> element;

b) a <geographical-identifier> element shall include a <geo-id> element; or

c) a <result> element.

The <geographical-identifier> element shall include one or more <geo-id> elements which each shall include:

a) a <polygon-area> element; and

b) an <ellipsoid-arc-area> element.

The <message-info> element shall include at least one of the following:

a) an <identity> element shall include a <V2X-UE-id> element;

b) a <group> element shall include a <V2X-group-id>;

c) a <payload> element;

d) a <service> element shall include a <V2X-service-id>;

e) a <geographical-identifier> element shall include a <geo-id> element;

f) a <message-reception-ind> element; or

g) a <result> element.

The <group> element shall include a <V2X-group-id> child element.

The <local-service-info> element shall include at least one of the following:

a) an <identity> element;

b) a <geographical-identifier> element shall include a <geo-id> element;

c) a <result> element; or

d) a <local-service-info-content> element.

\*\*\* End of changes \*\*\*