**Source: Intel**

**Title: More about WebRTC signaling Server for session management in**

 **GA4RTAR**

**Agenda Item: 10.7**

**Document for: Discussion and Agreement**

1. **Introduction**

The “traditional” WebRTC signaling server acts as a rendezvous point for peers to exchange UE’s information. The WebRTC signaling server in GA4RTAR supports more functions, see highlighted text below:

|  |
| --- |
| 2.5.7 Trusted WebRTC signalling serverThe trusted WebRTC signalling server is used to setup and manage MNO-operated WebRTC applications. They offer a *standardized signalling protocol* for the session setup to both parties of the WebRTC session. The WebRTC signalling server will handle the offer/answer exchange and *will have access to the SDP in both directions*.The WebRTC signalling server may use that knowledge to *offer network assistance* and other 5G features to the endpoints of the WebRTC session. |

Observations: The notion of WebRTC “session” may have different definitions in the UE and 5G-RTC AS. For example, in the UE, the WebRTC session means establishing RTCPeerConnection with the WebRTC signaling server. The session may tear down after peers have exchanged and agreed on certain parameters. Then in the 5G-RTC AS, the WebRTC session may represent the media flows. For example, each UE’s media traffic, either uplink or downlink, may represent a single media flow. A simple media flow may be identified by a simple 5-tuple combination or some other form.

In this contribution, we propose to enable the WebRTC signaling server for media flow session management.

1. **2. proposed changes:**

\* \* \* First Change \* \* \* \*

## **2.5.7 Trusted WebRTC signalling server**

The trusted WebRTC signalling server is used to setup and manage MNO-operated WebRTC applications. They offer a standardized signalling protocol for the session setup to both parties of the WebRTC session. The WebRTC signalling server will handle the offer/answer exchange and will have access to the SDP in both directions.

The WebRTC signalling server may use that knowledge to offer network assistance and other 5G features to the endpoints of the WebRTC session.

The WebRTC signaling server will manage media flow sessions in both uplink and downlink directions.

\* \* \* End Change \* \* \* \*

1. **Proposal**

It is proposed to add clause 2 into the GA4RTAR permanent document and work on interfaces between the Media server and WebRTC signaling server for uplink and downlink ~~streaming~~ streams context definition.