

To: IETF MMUSIC WG

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In the W3C WEBRTC WG, an issue has been submitted relating to playout of unverified media:

<https://github.com/w3c/webrtc-pc/issues/849>

It has been suggested that if the browser is configured to do so, that playout be allowed for a limited period (e.g. 5 seconds) prior to fingerprint verification:

<https://github.com/w3c/webrtc-pc/pull/1026>

Section 6.2 of draft-ietf-mmusic-4572-update-13 contains the following text, carried over from RFC 4572:

Note that when the offer/answer model is being used, it is possible for a media connection to outrace the answer back to the offerer. Thus, if the offerer has offered a 'setup:passive' or 'setup:actpass' role, it MUST (as specified in RFC 4145 [7]) begin listening for an incoming connection as soon as it sends its offer. However, it MUST NOT assume that the data transmitted over the TLS connection is valid until it has received a matching fingerprint in an SDP answer. If the fingerprint, once it arrives, does not match the client's certificate, the server endpoint MUST terminate the media connection with a bad\_certificate error, as stated in the previous paragraph.

Given the outstanding issue relating to handling of unverified media, the Chairs of the W3C WEBRTC WG would like to request clarification from the IETF MMUSIC WG as to the meaning of the "MUST NOT" in the above paragraph. In particular, what is it permitted for a WebRTC implementation to do with received data prior to verification? For example:

1. May data received over the data channel be provided to the web application prior to verification?
2. May received media be played out prior to verification?