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**Update to Recommended Codecs for the AVP RTP Profile**  
**draft-terriberry-avp-codecs-00**

Abstract

[RFC3551] defines the AVP RTP profile, which is the basis for many other profiles, such as SAVP [[RFC3711](#)], AVPF [[RFC4585](#)], and SAVPF [[RFC5124](#)]. This document updates [[RFC3551](#)] (and by extension, the profiles that build upon it) to reflect changes in audio codec usage since the document was originally published.

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## **1. Introduction**

[RFC3551] says that audio applications operating under the AVP profile SHOULD be able to send and receive PCMU and DVI4. However, in practice, many RTP deployments do not support DVI4, and its utility is limited in the presence of much more modern codecs. This document updates the recommended audio codec selection for the AVP profile to remove the SHOULD for DVI4.

## **2. Terminology**

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [[RFC2119](#)].

### **3. Updates to [RFC 3551](#)**

The text of [[RFC3551](#)] is hereby updated as set forth below.

#### **3.1. Updates to [Section 6](#)**

In the final paragraph of [Section 6](#), replace, "payload types 0 (PCMU) and 5 (DVI4)," with "payload type 0 (PCMU)." Also, add a final sentence to this paragraph that states, "Some environments may make support for PCMU mandatory."

#### **4. Security Considerations**

This document does not introduce any new security considerations for [\[RFC3551\]](#).

## **5. IANA Considerations**

This document has no actions for IANA.



## **6. Acknowledgments**

Thanks to Colin Perkins for suggesting this update.

## **7. References**

### **7.1. Normative References**

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC3551] Schulzrinne, H. and S. Casner, "RTP Profile for Audio and Video Conferences with Minimal Control", STD 65, [RFC 3551](#), July 2003.

### **7.2. Informative References**

- [RFC3711] Baugher, M., McGrew, D., Naslund, M., Carrara, E., and K. Norrman, "The Secure Real-time Transport Protocol (SRTP)", [RFC 3711](#), March 2004.
- [RFC4585] Ott, J., Wenger, S., Sato, N., Burmeister, C., and J. Rey, "Extended RTP Profile for Real-time Transport Control Protocol (RTCP)-Based Feedback (RTP/AVPF)", [RFC 4585](#), July 2006.
- [RFC5124] Ott, J. and E. Carrara, "Extended Secure RTP Profile for Real-time Transport Control Protocol (RTCP)-Based Feedback (RTP/SAVPF)", [RFC 5124](#), February 2008.



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