

RTP Payload Types in the Media Type Registry

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Format



RTP Payload Types



- RTP Payload Types use Media Types to identify the format and its configuration using parameters
 - Used in SDP for SIP, WebRTC
 - Example of media type **audio/amr** mode-set=0,2,3,6; mode-change-period=2; mode-change-capability=2; mode-change-neighbor=1; maxptime=20
- Media Type Registration instructions defined in: [Media Type Registration of RTP Payload Formats](#) (RFC 4855)
- Informal Instructions in **How To Write an RTP Payload Format**: <https://datatracker.ietf.org/doc/rfc8088/>
- AVTCORE has decided to close of separate IANA registry listing RTP Payload Formats:
 - RFC 9751 / [draft-ietf-avtcore-rtp-payload-registry-05](#)
 - Issues with consistency
- Would be really good to have clear indication in the Media Types Registry which entries are RTP Payload formats
 - Note: Some media types have both file formats and RTP Payload formats representations, e.g. audio/amr

Registration Instructions for RTP Payload Format



- Summary of RFC 4855 (2007) Instructions

- **Encoding considerations:** Most RTP payload formats include binary or framed data as described in Section 4.8 of [1]. The appropriate encoding considerations MUST be noted.
- **Restrictions on usage:** The fact that the media type is defined for transfer via RTP MUST be noted, in particular, if the transfer depends on RTP framing and hence the media type is only defined for transfer via RTP.

- Required Parameter: **Rate** if not fixed
- Optional Parameters: Some exists with common values: **Channels**, **ptime**, **maxptime**, color space (sub-)**sampling**