

RTP Payload Format for Geographical Location

[draft-marjou-geopriv-avt-geoloc-00.txt](#)

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Context

- Use-Cases
 - A moving user wants to share his geographical location for a long duration with a remote user who can thus instantaneously watch his current location.
 - Same as previous one, but audio and video are also shared.
- Need to transport GPS location several times per minute.

Proposal

- Use RTP to send geolocation data
 - Support for real-time transport,
 - Support for time synchronization between geolocation and other media,
 - Support for multicast.
- Why not an SDES RTCP solution?
 - If there is no other media (e.g. no audio, no video), empty RTP payload would be needed (95% of "empty traffic")

Open-points

- Is "sending geolocation data within RTP" in the right direction?
- If yes, new payload format is needed
 - Which data in the payload?
 - Longitude, latitude, altitude,
 - Speed, compass...
 - Other?
 - Which data format ?
 - Binary or XML?
 - Use a consistent approach with other geolocation related work (IETF and other SDOs).

Next steps

- Is there interest in such a work?
- Where and how the work should progress?