

MAPS™ SIP with ED-137B Support

MAPS™ SIP supports VoIP implementation as per ED-137B of EUROCAE (European Organization for Civil Aviation Equipment) standard.

Following are the features (as per ED-137B spec) supported in MAPS™ SIP

- Simulates both **Controller Working Position** and **Radio Media Gateway System**.
- RTP Extended Header
Supports RTP header extension format as per extended header type 0x167 (WG67). Both audio RTP and R2S packet will carry this 8 byte extended header. PTT and Squelch fields are set properly to signal voice activity in uplink or downlink. PTT-id assigned by remote end will be reflected in extended header.
- R2S-KeepAlive packets
Supports generation of R2S-KeepAlive packets at every R2S-KeepAlive Period during idle period of call. PTT and Squelch fields are reset properly to signal silence (idle period) in uplink and downlink respectively.
- Supports additional SDP parameters
 - R2S-KeepAlivePeriod: Maximum time (or frame interval) between each R2S-keep Alive packet. integer, in milliseconds.
 - R2S-KeepAliveMultiplier: Number of Keep Alive packets in error or not received by endpoint before Time Out of the session
 - PTT-Id: PTT identity (value from 000001 to max. number of possible RTP streams, e.g.111111=63) assigned to each user agent by GRS endpoint in 200OK response to INVITE.
 - Rtphe: The Version of the used RTP HE (Header Extension).
 - Fid: Frequency identity.
- Supports Additional SIP headers 'Priority' and 'Subject' .
Every INVITE contains these two headers.
Priority : normal (Indicates SIP call priority)
Subject : radio (Indicates SIP call type)
- IP Spoofing
Supports IP address spoofing to generate each SIP call using different IP address from a single system.

For complete details on MAPS™ SIP, download <http://www.gl.com/Brochures/Brochures/maps-sip-brochure.pdf>



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Call from MAPS™ SIP acting as Controller Working Group to Radio Media Gateway

