RTP Payload Formats for ETSI ES-202-050, ES-202-211, and ES-202-212 Distributed Speech Recognition Codecs

<draft-ietf-avt-dsr-es202050-01.txt>
<draft-xie-avt-xdsr-es202211-00.txt>
<draft-xie-avt-xadsr-es202212-00.txt>

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Comparison of the Four ETSI DSR Front-ends

ES 201 108 **(RFC3557)**	**ES 202 050** **<draft-ietf-avt-dsr-es202050-01.txt>**	**ES 202 211** **<draft-xie-avt-xdsr-es202211-00.txt>**	**ES 202 212** **< draft-xie-avt-xadsr-es202212-00.txt >**
• Basic ETSI DSR front-end codec (04/2000)	• Advanced ETSI DSR front-end codec (10/2002) • More optimized for noisy environment	• Extended ETSI DSR front-end codec (10/2003 approved) • Support speech reconstruction • More optimized for tonal languages	• Extended Advanced ETSI DSR front-end codec (10/2003 approved) • More optimized for noisy environment • Support speech reconstruction • More optimized for tonal languages
• FP size = 12 bytes • No VAD flag • No EXTENSION field	• FP size = 12 bytes • VAD flag • No EXTENSION field	• FP size = 14 bytes • No VAD flag • EXTENSION field	•FP size = 14 bytes • VAD flag • EXTENSION field

- Similar RTP payload layout for all 4 front-ends
- DSR payload frame size slightly different (12 or 14 octets)
- Different payload frame bit definitions
- Different media subtype name:
  - **dsr-es201108 – RFC3557**
  - **dsr-es202050 - draft-ietf-avt-dsr-es202050-01.txt**
  - **dsr-es202211 - draft-xie-avt-xdsr-es202211-00.txt**
  - **dsr-es202212 - draft-xie-avt-xadsr-es202212-00.txt**

- ES 202 050 draft has been under reviewed since Dec/02 and document organization and text have been improved thanks to review comments.

- Propose to merge the three drafts into a single document for easier admin.