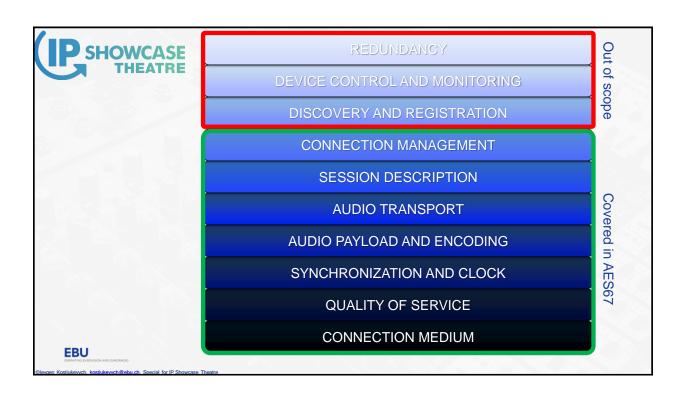


| | Livewire + | RAVENNA AES67 built-in | |
|---|-------------------------------|--|---------------------------------------|
| Device control and monitoring | HTTP, Proprietary | HTTP, Ember+ | Proprietary |
| Discovery and registration | Proprietary | mDNS/DNS-SD (Bonjour) | SAP |
| Connection management | Proprietary, HTTP, IGMP | RTSP, SIP, IGMP | Proprietary |
| Session description | By channel number | SDP | Proprietary |
| Transport | RTP, IPv4 | RTP, IPv4 | Proprietary, IPv4 |
| Quality of Service | DiffServ/802.1pq | DiffServ | DiffServ |
| Synchronization | Proprietary | IEEE 1588-2008 (PTPv2) | IEEE 1588-2002 (PTPv1) |
| Encoding/channel count | PCM, L24 mono, stereo, 5.1 | PCM, L16-32 Up to 64 ch. per stream | PCM, L16-32 Up to 64 ch. per flow |
| Audio payload | 48 kHz | 44.1 – 384 kHz | 44.1 – 192 kHz |
| | | P | |
| EBU CREATED EXERCISION AND EXERCISION Eleveren Kostiukervich, Kostiukervich@ebu.ch. Special for IP Showcase Theat | e | | Slide concept by Merging Technologies |

| Device control and monitoring | Livewire + HTTP, Proprietary | RAVENNA AES67 built-in HTTP, Ember+ | Proprietary |
|--|---------------------------------|---|-----------------------------------|
| Discovery and registration | Proprietary | mDNS/DNS-SD (Bonjour) | SAP |
| Connection management | | | |
| Session description | AUDIO | | |
| Transport Quality of Service Synchronization Encoding Audio payload | ES | AES | |
| | | Р | |
| EBU Deserved ERONADO Eleveen Kostiukevich, kostiukevich Bebuich, Special for IP Showcase Theat | re | Slide | e concept by Merging Technologies |

| R SHOWCASE THEATRE | Livewire | RAVENNA AES67 built-in | |
|---|-----------------------|----------------------------------|--------------------------------------|
| Device control and monitoring | HTTP, Proprietary | HTTP, Ember+ | Proprietary |
| Discovery and registration | Proprietary | mDNS/DNS-SD (Bonjour) | SAP |
| Connection management | IGMPv2 (I | multicast stream) / SIP (unica | ast stream) |
| Session description | SDP (RFC 7 | 273 for RTP clock offset ann | ouncement) |
| Transport | RTP/AVC (RFC 355 | 0 & 3551) over UDP over IP | v4/IPv6 |
| Quality of Service | DiffServ: DSCP 46 (EF |) - PTP, DSCP 34 (AF41) - R | RTP, DSCP 0 (BE) - else |
| Synchronization | IEEE 1588-2008 (| PTPv2), AES-R16-2016 profi | le is recomended |
| Encoding/channel count | PCM, L16 (for 44 | .1/48 kHz) or L24 (for 48/96 kH: | z), 1 to 8 channels |
| Audio payload | 48 kHz recomr | nended default (44.1/96 kHz | are possible) |
| | | IP | |
| CREATING LINOVEGN AND LINOVADO OPERATING LINOVEGN AND LINOVADO | | | Slide concept by Merging Technologie |



| AVENNA | | | | | SAP | | | | LOCAL | RTSP SDP x | |
|--|--|---------------|--|------------------|---|---|---|--|---------------------------------------|------------|----------------------------|
| AVERNA Dreemonare " term CALI2 Diggrem term CALI2 Diggrem term CALI2 Diggrem term CALI2 Diggrem term CALIS Diggrem term CALIS term | | 192.168.235.3 | SAP 8759 rtp://192.168.11.36554/by-n. rtp://192.168.11.36554/by-na rtp://192.168.11.36554/by-na rtp://192.168.11.36554/by-na rtp://192.168.11.36534/by-na rtp://192.168.11.36534/by-na rtp://192.168.11.36534/by-na rtp://192.168.11.36534/by-na rtp://192.168.11.3554/by-na rtp://192.168.11.31.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.554/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/by-na rtp://192.168.11.1654/b | AUTO × × × | Spectrum Spectrum Spectrum Foregoint/Red/Met/Site (1:32) Hags_00105_21 Spectrum Hags_00105_21 Spectrum Hags_00105_21 Spectrum Hall Hall Hall Hall | Orgin 202146.52 1922160.52 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 1922160.51 192 | Multicest 229,4731 229,4731 229,4731 229,4735 229,4715 229,4715 229,4715 229,4715 229,4715 229,4714 229,4714 229,4714 229,4714 | R AU RANK AU AU AU AU AU AU AU | 0 Streamname ellA 0 x P 0 | | R., 540 |
| 3.09.2016 03:53:34,441 3.09.2016 03:53:34,501 3.09.2016 03:53:35,531 3.09.2016 03:53:34,502 3.09.2016 03:53:34,502 3.09.2016 03:53:37,842 | Received SAP a Received SAP a Received SAP a Received SAP a Received SAP a | ETPS: | Standard ch 1-8 from andrew Mini 2 ch 1-2 | | | | | | | | TER RAVENN AESő7 bul |

