Event and Tally in an IP world

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Why do I need Event & Tally?

• GPI’s
• AMWA NMOS IS-07
• Relationship with IS-04, IS-05 and IS-07
• MQTT
• Demos at IBC 2018
• Next Steps
GPI’s

- Contact closures
- Relays
- Lamps
- Simple!
- Complex
- Real-time
AMWA NMOS IS-07

- IP Workflows
- Timing
- Open Specifications
- Scalable
- JSON – ready for web
- Event – Sender
- Tally – Receiver
- Suitcase TV iFrame
- RTP / UDP / Multicast / TCP

Relationship with IS-04

- IS-04 Discovery
- IS-04 Registration
Relationship with IS-05

- IS-05 Connection Management

MQTT

- Transportation & Logistics
- Communication Infrastructure
- Medicine & Healthcare
- Industrial & Energy
- Security & Surveillance
- Logistics

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MQTT

- Message Queuing Telemetry Transport
- Publish and Subscribe (PubSub)
- Widely Adopted
- Low Latency
- Guaranteed Delivery
- Simple Code base
- Open Source Implementations
- Web Browser compatible
- You have it on your phone!
- Highly Scalable
- Facebook Messenger and WhatsApp

IS-07 (Draft)

https://github.com/AMWA-TV/nmos-event-tally

```json
{
   "identity": {
      "source_id": "1ea39324-a32b-4e1d-86e9-33f9956ebc60"
   },
   "event_type": "number",
   "timing": {
      "creation_timestamp": "1532504241:104000200"
   },
   "payload": {
      "value": 16342
   }
}
```
Demos @ IBC 2018

- Pebble Beach - Stand 8.B68
- Partnered with BNCS by AtoS

- Suitcase TV – Stand 2.C10
- Partnered with BNCS by AtoS

Next Steps

- Ratify draft specification – October 2018
- Encourage vendors and customer adoption
- Consider how to extend where appropriate
Thank You

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