

IEC/IEEE JWG proposal

Glenn Parsons

IEEE 802.1 WG chair

TSN for Industrial Networks

- The IEEE 802.1 [TSN](#) task group has been developing a guaranteed data transport with bounded low latency, low delay variation, and extremely low loss
- The current use cases include: [Audio/Video](#), [Mobile Fronthaul](#), [Automotive](#), and [Industrial Networks](#)
- There has been a proposal to jointly develop a profile of [TSN](#) for [Industrial Networks](#) with IEC
 - <http://www.ieee802.org/1/files/public/docs2017/new-winkel-tsn-profile-0917-v00.pdf>

IEC/IEEE Joint Working Group

- A well used process (with over 20 standards) exists:
 - Guide to IEC/IEEE Cooperation
http://standards.ieee.org/develop/intl/iec_ieee_coop.pdf
- Process requires joint agreement and then creation of a single JWG that runs both IEC and IEEE processes.
 - An IEEE PAR and IEC NP are required
 - There is one chair and one editor
 - IEEE balloting and IEC CD, CDV vote & FDIS balloting are aligned
- Possible issue – meeting fees
 - IEC prohibits meeting fees for WG meetings
 - Plenary meeting fee waivers for IEC attendees will be requested
 - More creative options required for interims

Way forward

- Informal discussions
 - IEC 65C and IEEE 802.1 chairs are discussing logistics
 - IEC will initiate a “questionnaire” to modify existing approved IEC NP
- Background on IEC/IEEE Cooperation
 - Jodi Haasz of IEEE-SA staff [presented](#) to 802.1 Monday plenary
- IEEE 802.3 potential interest
 - Proposal that 802.1 take the lead to create/manage the JWG and grant 802.3 balloters ex-officio status in JWG (i.e., they are voters if they vote)
- Initial “joint” meeting in January 2018
 - authorize the January 802.1/802.3 interim to craft a PAR & CSD
 - Invite IEC 65C participants to January interim
 - Pre-circulate for March approval by IEEE 802 EC, April SASB approval