RPL Applicability in Industrial Networks
IETF 86

draft-ietf-roll-rpl-industrial-applicability-00

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What is New is Revision 2

- Not much, fixed typos and refs
- WG doc adoption (will re-publish)
- 6TSCH coming up
  – Pick this draft as requirement
6TSCH

• the mix of distributed and centralized could be discussed as future goal?
• End to end determinism over a (deterministic Ethernet or WIFI) backbone?
• Usage of multiple instances that meet different optimization goals
• Storing vs non-storing applicability
• Coexistence, common network management
Wireless Industrial standards

• Communication reliability requirements implicitly mandate path diversity for MP2P, P2MP and P2P traffic flows

• Current routing paradigm in ISA100.11a and WiHART standards is DAG based but is at the link-layer (mesh-under)

• Graphs are computed by a system manager (centralized PCE with high degree of determinism)