

802.17b

Spatially Aware Bridging on RPR PAR

Preliminary

Outline

- Draft Project Authorization Request (PAR)
 - Title
 - Scope
 - Purpose

802.17b PAR **Title**

- Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Resilient Packet Ring Access Method & Physical Layer Specifications – Spatially Aware Bridging

802.17b PAR **Scope**

- This project will amend the 802.17-2004 standard by adding a new sub-clause on Spatially Aware Bridging
- Specify a RPR MAC (optional) sub-layer that supports spatial reuse for bridged (IEEE 802.1) packet switching paradigm over RPR
- Define control entity to manage bridged spatial reuse operations
- Incurs no change to existing 802.17 functionality and protocols

802.17b PAR **Purpose**

- 802.17-2004 defines Basic Bridging operation, whereby 802.1 bridge clients can use the 802.17 MAC but without the benefit of spatial reuse. This project amends the base standard by adding an optional sublayer in the MAC that provides spatial reuse to 802.1D/Q bridge clients