

SpaceWire protocol stackS

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From meeting #18 (credit P.Mendham)





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SpW external stack (view 1 - non-scheduled)





SpW external stack (view 2 - non-scheduled)





SpW external stack (view 3 - scheduled)









SpW internal and external stacks (view 1 - generic unit & configurable switch)





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SpW internal and external stacks (view 2 - RMAP configurable switch & configuring unit)





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SpW internal and external stacks (view 3 - SpW-10X & configuring unit)





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Conclusion – Next steps



- 1. Have the SpW internal stack stamped by ECSS
 - a. SpW higher level (Data Link) service definitions and SAPs
 - Validation wrt the SpW external stack and in particular the PnP needs
 - b. Interfaces between levels for the canonical SpW stack
 - Validation wrt existing non-canonical implementations (// ports of SpW-10X, SoC, SUAI & DLR Gigabit SpW, SpW low mass cable, etc.)
- 2. Present a consolidated SpW vs SpF Internal stack
 - a. with common service definition and SAP

Thank You

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