

SpaceWire Working Group Meeting12

Agenda

Ph. Armbruster TEC-ED

Scope

The meeting will focus on two main points

- 1) **SpaceWire-RT**: Review of the updated Initial protocol definition
Document: SpW-RT Initial Protocol Definition v2.1 (UoD/S. Parkes)
- 2) **SpaceWire Evolution** : Discussion of the SpaceWire Standard evolution on the basis of the paper presented by M. Suess at the International SpaceWire Conference 2008.

Scope

As a complement, the following topics will be addressed, according to their respective development statuses.

- **SpW Deployment and Handbook** (Convenor, B. Cook, 4Links):
The SpaceWire Handbook Draft 1
- SpW Test, Verification and “Certification” (Convenor Y. Sheynin, UoStPg)
- **SpW Backplanes** (Convenor M.Nomachi, UoO)
- **SpW and Plug and Play** (Convenor G.Rakow, NASA/GSFC)
- SpaceWire International Conference 2008 – Osaka/Nara –
Feedback (M. Nomachi)

Agenda

Day 1: Tuesday 17th of February Estec, Room Newton 2

- 09:00-9:15 Introduction, ESTEC/Ph. Armbruster
- 9:15-13:00 SpW-RT Initial Protocol Definition – Presentation of UoD proposal – UoD/S. Parkes
- 13:00-14:00 *Lunch break*
- 14:00-16:30 SpW-RT Initial Protocol Definition – Assessment Users view - Discussion
- Jaxa/T. Yamada
 - Astrium/C. Honvault
 - *Coffee break*
 - 4 Links/B. Cook
 - Scisys/S. Fowell
 - TBD
- 16:30-16:45 SpW-RT Protocol Validation, Teletel/ V. Kollias
- 17:00 *Meeting closure*

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Day 2: Wednesday 18th of February: Estec Room Newton 2

- 09:10-09:30 SpW-RT Initial Protocol Def. V2.1 Assessment UoStPg, Y. Sheynin
- 09:30-10:00 SpW-RT Wrap-up, ESTEC/C. Taylor
- 10:00:10:15 *Coffee break*
- 10:15-13:00 SpW Evolution – ESTEC/M. Suess & al
- Discussion of proposed modifications from physical to network level
- 13:00-14:00 *Lunch Break*
- 14:00-15:00 SpW Evolution Cont'd
- 15:00-15:15 *Coffee break*
- 15:15-15:45 RMAP IP Core UoD/Ch. McClements and ESTEC/K. Marinis
- 15:45-16:15 SpW Backplanes – SEA/A. Senior
- 16:15-16:45 SpW PnP UoD/P. Mendham UoD
- 16:45-17:15 SpW Handbook 4 Links/B. Cook
- 17:15 *End of meeting*

Day 3 AM: Thursday 19th of February (am), Room Cf106

9:30 to 12:30 Inter-Agency Meeting

Documents:

SpW-RT Initial Protocol Definition v2.1

The SpaceWire Handbook Draft 1

Complementary slides

SpW WG : **ESA JAXA NASA ROSCOSMOS INDUSTRY**

Mandate of the WG is manifold:

- To share information related to the implementation of on-board networks based on the SpaceWire standard
- To review and discuss services supported by networks on-board spacecraft
- To define or register (via PID allocations) a set of Networking Protocols (e.g RMAP) for SpaceWire links, nodes and routers (SpW-SnP).
- Cooperation is framed if required by Inter-Agencies agreements – (c.f. BepiColombo, JWST), in the spirit of the CCSDS.
- Information is exchanged openly in a collaborative spirit in full respect of intellectual property rights (responsibility of each participant).

Working Group composition – Open to Industry - Agency members shall act as focal points for national industrial and intra-agencies activities.

Many Thanks to all of you, SpaceWire is beautiful