



Signal Transport and Networks for the SKA

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Content

Setting the scene

Highlights from 2010

Next Steps



Work Breakdown Structure for Signal Transport and Networks for the SKA

Signal transport Design & Cost SigT Eng.	Dish Cable Systems			Internal fibre network	Digital Data Back Haul	LO and timing
	Dish Signal Cabling Design	STaN for PAF systems	STaN for WBSPF			
Signal transport Design & Cost SigT Eng.	CSIRO	CSIRO, ASTRON	INAF, MPIfR, ASTRON	SPDO	UK, ASTRON IT, (NRF), (CSIRO)	UK, IT



Changes since last year

- ▶ Funding allocation known, resource allocated to projects.
- ▶ System CoDR.
- ▶ SKA Phase 1 definition.



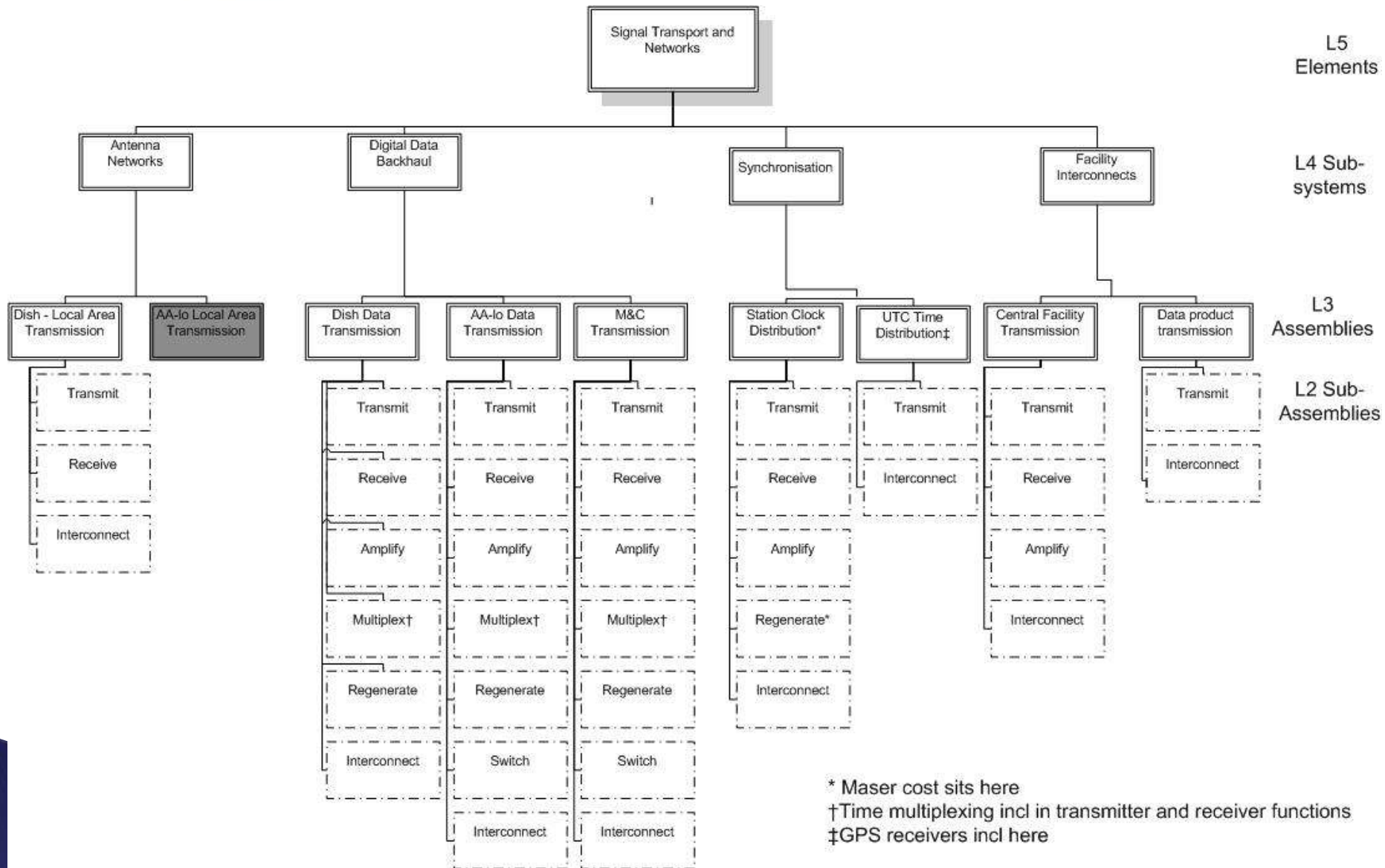
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STaN Highlights

- ▶ **STaN for WBSPF**
 - Successful review of group work at ASTRON
- ▶ **DDBH**
 - SOMI & NDA signed with Nokia Siemens Networks
 - Preliminary Non-functional Requirements circulated for comment.
- ▶ **LO & Timing**
 - Preliminary Functional Requirements circulated for comment
- ▶ **Placing STaN in a system context**
 - Preliminary functional hierarchy
 - STaN for Phase 1 SKA





STaN Next Steps

STaN CoDR June 2011

- ▶ Preliminary Interface definitions
- ▶ Working towards agreed requirements
 - functional and non-functional
- ▶ Describe the possible solutions
 - seeking objective data wherever possible

Filling the gaps

- ▶ Formatting Digitised data at dishes
- ▶ M&C Networks

Building on existing collaboration



Introducing the Next Speakers

- ▶ Simon Garrington, UMAN – LO & Timing
- ▶ Domingos Barbosa, Claudia Camacho, IT–DDBH
- ▶ Peter Maat, ASTRON – Analogue optical links
- ▶ Adrian Tiplady, MeerKat Project – Site Networks.
- ▶ Ron Beresford, ASKAP Project – Site Networks.

Questions & Discussion

