

Engineering Status

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CS008

CS010

CS001 CS016

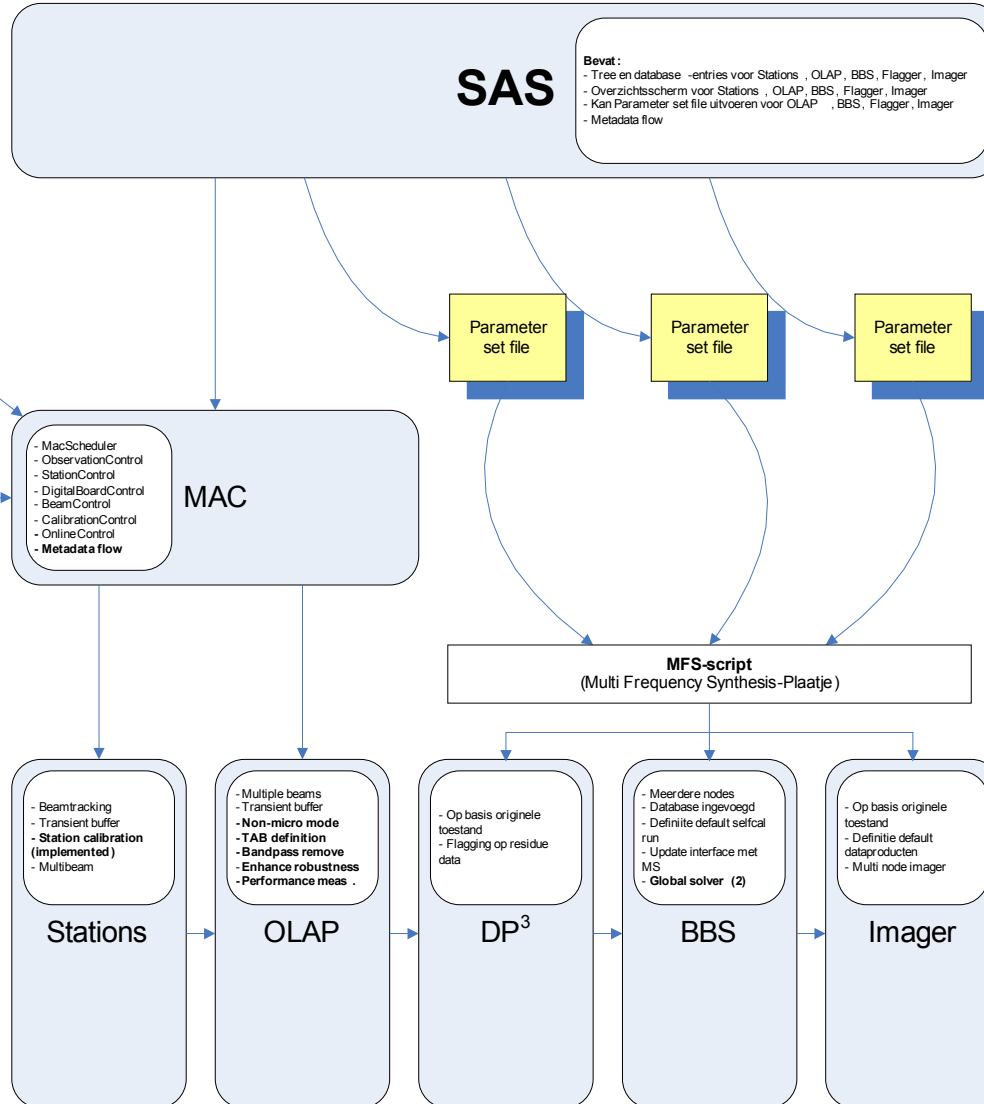


Station procurement status

- ◆ Production preparation ongoing for station hardware
- ◆ WAN tender closed and company selected
- ◆ CEP tender will go out soon

Software (Step 5)

Stap 5



Bevat:
 - Tree en database -entries voor Stations , OLAP, BBS, Flagger , Imager
 - Overzichtsscherm voor Stations , OLAP, BBS, Flagger , Imager
 - Kan Parameter set file uitvoeren voor OLAP , BBS, Flagger , Imager
 - Metadata flow

SHM
 - SHM base system
 - Diagnosis
 - MAC connection

Navigator

- Station Hardware details
 - Station Hardware
 - **Observation details (complete)**
 - Navigator 2.0
 - CS1 Main panel
 - Software Overview
 - Station Controller overview
 - Observation overview
 - CS1 Controller overview

MAC

- MacScheduler
 - ObservationControl
 - StationControl
 - Digital BoardControl
 - BeamControl
 - CalibrationControl
 - OnlineControl
 - **Metadata flow**

MFS-script
 (Multi Frequency Synthesis-Plaatje)

Stations
 - Beamtracking
 - Transient buffer
 - **Station calibration (implemented)**
 - Multibeam

OLAP
 - Multiple beams
 - Transient buffer
 - **Non-micro mode**
 - TAB definition
 - Bandpass remove
 - Enhance robustness
 - Performance meas .

DP³
 - Op basis originele toestand
 - Flagging op residue data

BBS
 - Meerdere nodes
 - Database ingevoegd
 - Definiëte default selfcal run
 - Update interface met MS
 - **Global solver (2)**

Imager
 - Op basis originele toestand
 - Definiëte default dataproducten
 - Multi node imager

Research
 -Determine global bandpass shape
 -Determine beamshape model at tile level for the HBA

User Software Group
 - Decision algorithm in LCU
 - Design and prototype DAL database access functions
 - Modify TBB data writer to fill headers and metadata tables
 - Python bindings for Cosmic Ray tools
 - Near field imager working with LOFAR TBB data dumps
 - Finish definition of HDF5 data cube format
 - Metadata updates to TBB data format

General
 - Development plan towards LOFAR 20

Specifications
 - Design for GSM/LSM database
 - Source detection requirements for the SelfCal major cycle

