



MeerKAT Extension Update



Highlights

- MPG-DS IRR partial pass 3 Mar 2022.
- **Infrastructure** contract 18/24 foundations cast
- Band 2, Vacuum & SPFC: AR held in March. Production complete.
- Helium service: contract placed. Kick-off meeting later this week
- Progress on final selection of antenna locations between Sphesihle Makhathini (SARAO) and Hans Reiner (MPG)

Highlights

- Correlator functionality demonstrated in an 8-antenna lab system: delay tracking, channelisation, baseline correlation products
- Rack and power (MKAT-ECP-259) design complete, procurement starting
- Digitiser small delay due to finalising of the RFCU filters
- Next MK+ board meeting has been moved to 8 June 2022

MPG-DS

IRR partial pass on 3 Mar 2022.

- Several follow-up workshops held over March and April
- Review inputs are being wrapped up now

Schedule

- There will be some schedule impact detail is not yet known yet
- Delays due to IRR findings and work required
- General supply chain issues also expected to impact delivery times
- Master schedule update for end of May will incorporate the new DS dates

Infrastructure contract

Amory Le Roux-Arries replaces Hendrik Hurter as PM

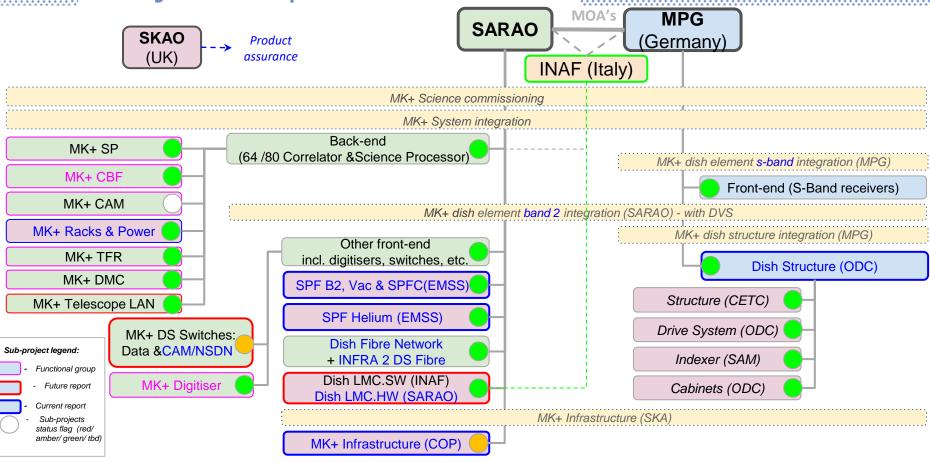
Fibre

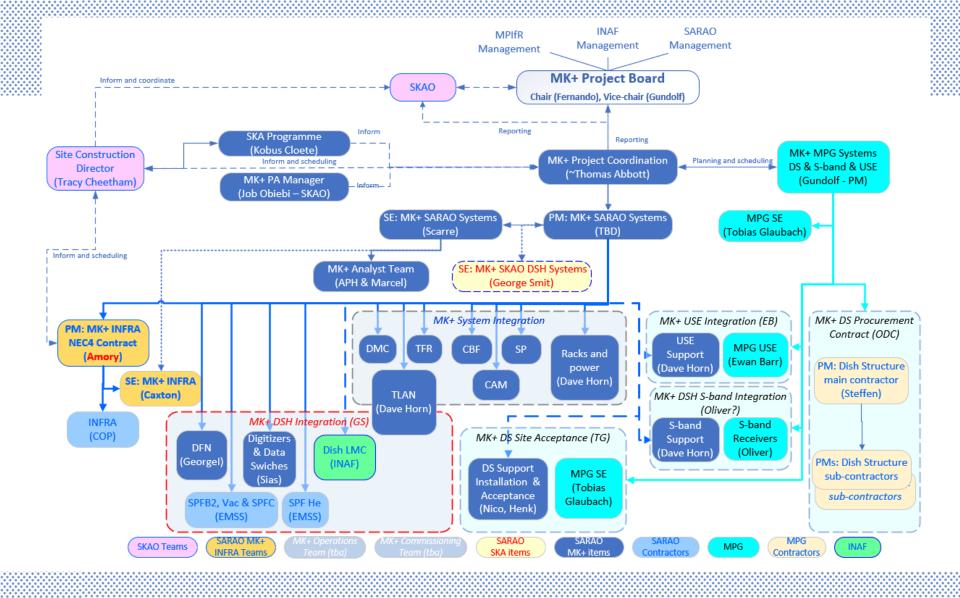
KAPB fibre installation scope is settled, additional costs to be approved

Foundations

- Foundation casting on hold while bolt cages are investigated/torqued
- First 18 unit bolts are waiting on method statement from contractor
- Comprehensive report from Gerhard Swart
- Lessons from MeerKAT:
- Continuous out-of-specification creep (possibly made worse by rain on site)
- Sudden change by ~ 1 arcmin due to large wind event
- Programme of monitoring, levelling and pointing calibration to be set up

Project Map









Contact information

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The South African Radio Astronomy Observatory (SARAO) is a National Facility managed by the National Research Foundation and incorporates all national radio astronomy telescopes and programmes.