

BL-ENG-E1-004 Observatory / Detected-Outrigger Telescope

- **Domain:** ENG
- **Program:** E1
- **EVOL Target:** EVOL-00
- **Status:** Draft

Short Description & Business Value Design a telescope module on a de-rotated outrigger to extend Earth ONE's scientific reach without disturbing station rotation, enabling advanced astronomy and observation missions.

Acceptance Criteria

- Demonstrated isolation from station rotation
- Established jitter budget
- Thermal and radiation shielding strategy
- Defined data downlink pipeline

Dependencies / Cross-References

- Science chapter (details TBD)

Owner / Next Step / Target Date

- **Owner:** TBD
- **Next Step:** Feasibility Note
- **Target Date:** TBD

Score & Risks

- **Score:** TBD (RICE/WSJF)
- **Risks:** Structural integration; vibration control