

8.4. Appendix B: Backlog Potential Developments

This appendix consolidates potential developments across Governance, Outreach, Engineering, Science, Economics, and Operations. It serves as a living, prioritized repository that evolves independently of the main chapters, offering a stable and referenceable source for future work. Pointer subsections in the respective chapters link to the most relevant backlog items, keeping the primary narrative streamlined while enabling deeper exploration.

Structure

1. **Scope & Maintenance** – outlines curation responsibilities, update cadence, and the definition of a “ready” item.
2. **Tagging & IDs**
 - Domain: GOV | OPS | ENG | SCI | SOC | SEC | SUS | ECON
 - Program: E1 (Earth ONE) | L1 (Lunar ONE) | E2 (Earth TWO) | B (Beyond)
 - Status: Idea → Draft → Exploration → Design → Pilot → Adopt
 - ID Schema: BL-<Domain>-<Program>-<NNN> (e.g. BL-ENG-E1-001)
3. **Prioritization Method** – recommends using frameworks such as **RICE** or **WSJF**.
4. **Backlog List** – items are ordered by priority and follow the mini-template below.
5. **Change Log** – records when items are added or updated.

Backlog Entry Mini-Template

- **ID / Title**
- **Domain / Program / EVOL Target**
- **Short Description & Business Value**
- **Acceptance Criteria**
- **Dependencies / Cross-References**
- **Owner / Next Step / Target Date Bucket**
- **Score & Risks**

Backlog Items

ID	Title
BL-OPS-E1-001	Integrated Build & Logistics Masterplan
BL-GOV-B-002	Solar-Alliance Governance Charter (Draft)
BL-SUS-E1-003	Earth-ONE Sustainability Playbook (Partial→Full)
BL-ENG-E1-004	Observatory / Detected-Outrigger Telescope
BL-ENG-E1-005	Spaceport & Orbital Shipyard Module
BL-ENG-E2-006	Habitat Expansion Path (“Earth TWO” Pre-Study)
BL-SOC-E1-007	Orbital Park & Culture Module
BL-SOC-B-008	VR/AR “Visit Earth ONE” & Citizen-Science
BL-SEC-E1-009	Resilience Scenarios: Dual-Failure (Reactor↓ + PV↓)
BL-ECON-B-010	Revenue Expansion & Financing Stages

Change Log

- Initial backlog created.