

APRIL 16, 2025

ARTIFACT CONFIGURATION MANAGEMENT



The Configuration Management (CM) team plays a critical role in managing the integrity and traceability of AstraLux Systems Engineering Contract Data Requirements List (CDRL) artifacts after their initial publication. The team is responsible for maintaining version control, ensuring only approved documents are accessible, and updating points of contact associated with each artifact. After publication, CM ensures all versions are archived, updates metadata such as review history and responsible stakeholders, and posts the final versions to the digital engineering platform used by the United States Space Force (USSF). The process of document lifecycle management is as follows:

1. **Drafting** - The Systems Engineering team authors the document based on program requirements and current engineering baselines.
2. **Stakeholder Review** - Internal and external stakeholders (including technical leads, program managers, and customer representatives) provide remarks and feedback.
3. **Revision** - The Systems Engineering Team incorporates stakeholder feedback, refines the content, and prepares a release candidate version.
4. **CM Finalization** - The document is handed over to the Configuration Management team, which assigns version numbers, stores it in the repository, and posts the approved version to the *AstraLux Sidera I Digital Engineering Platform*, ensuring traceability and controlled access.
5. **Monthly Engineering Change Review** - Any updates stemming from project evolution or requirements changes are addressed during monthly Engineering Change Review Boards (ECRBs). If updates are required, the document re-enters the process beginning with Drafting, following by Stakeholder Review, Revision, and CM Finalization.

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The following *Configuration Management Contact* Table lists key points of contact for each Systems Engineering CDRL artifact, including team leads, stakeholders, and e-mail contacts for coordination and support.

Document	Program Team POC	Systems Team POC	Hardware Team POC	Software Team POC	Stakeholders	E-Mail for Team POC
Concept of Operations (CONOPS)	Jamie Keller	Alex Thompson	N/A	N/A	Program Manager, USSF Ops Liaison	jamie.keller@astralux.com
Interface Control Document (ICD)	Kevin Liu	Rachel Singh	Maria Ramos	Daniel Park	Systems Architect, HW/SW Leads	kevin.liu@astralux.com
System/Subsystem Specification (SSS)	Alana Cho	Jason Reed	Greg Foster	Stephanie Vance	Engineering Director, Quality Assurance	alana.cho@astralux.com
System/Subsystem Design Description (SSDD)	Chris Yates	Priya Patel	Priya Nair	Omar Castillo	Chief Engineer, DevOps Coordinator	chris.yates@astralux.com