Module 2:
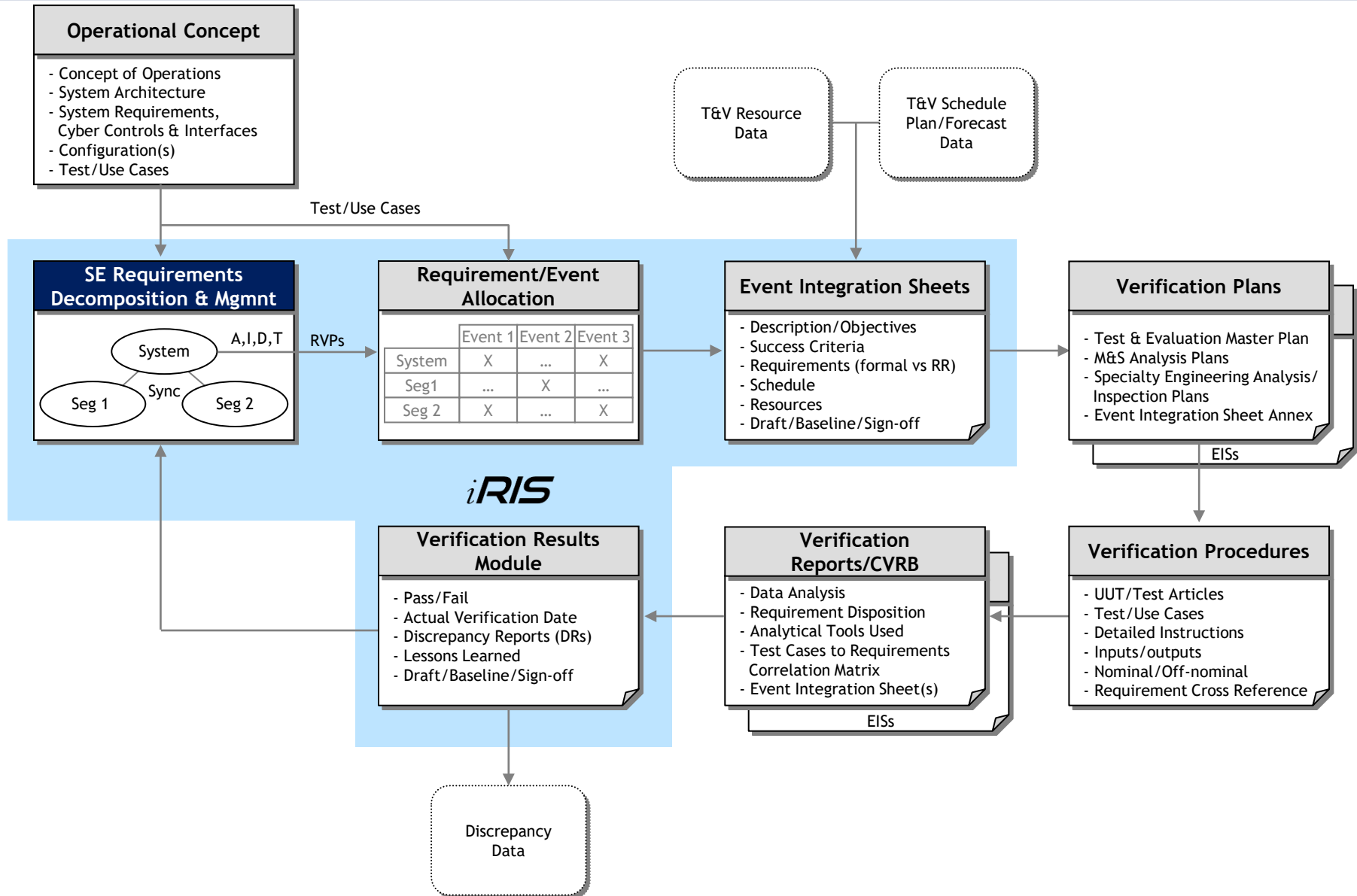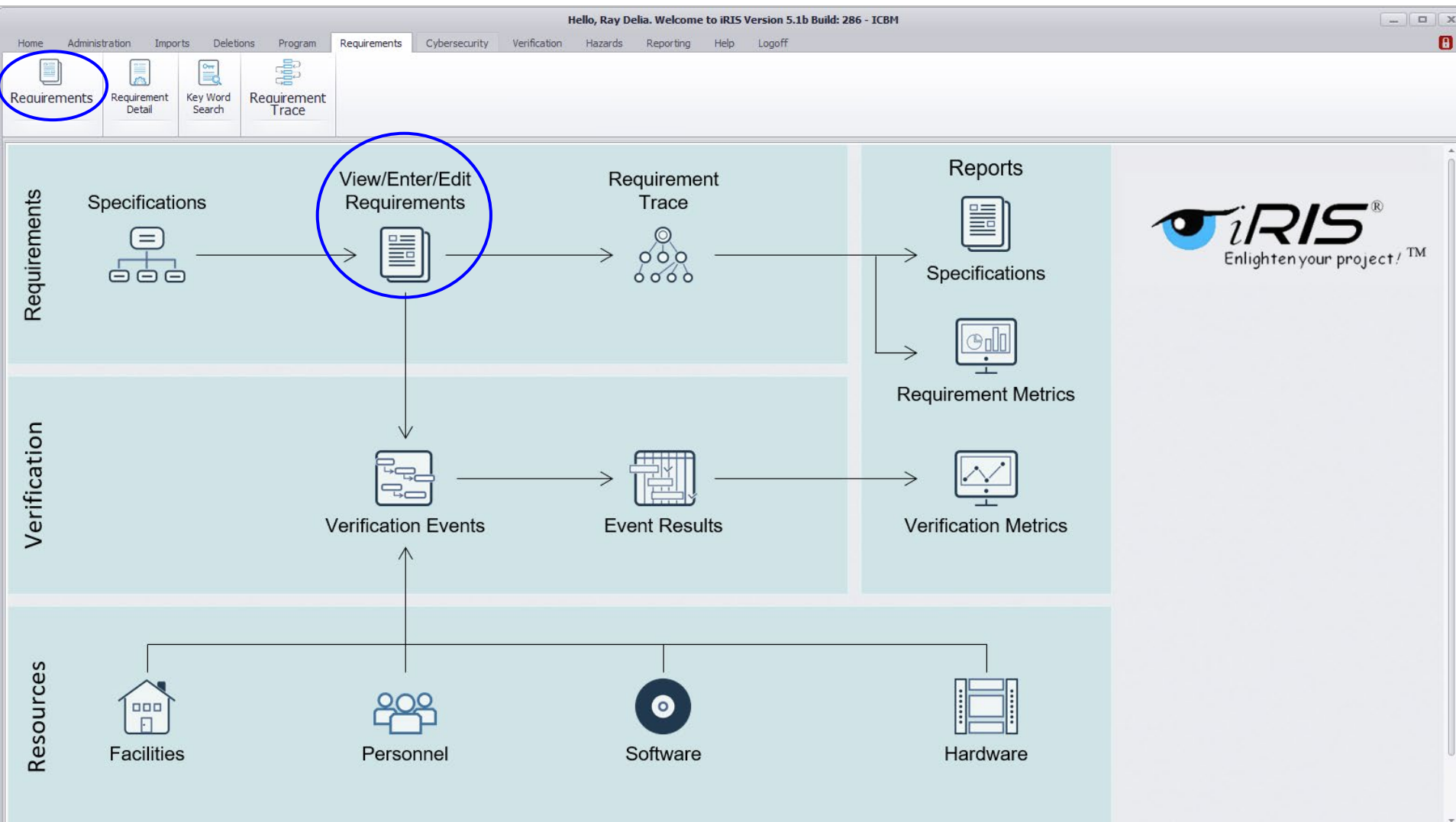# Requirements Management

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Requirements Management in the Systems Engineering Workflow

CelerisSystems SM

Operational Concept

- Concept of Operations
- System Architecture
- System Requirements, Cyber Controls & Interfaces
- Configuration(s)
- Test/Use Cases

Test/Use Cases

T&V Resource Data

T&V Schedule Plan/Forecast Data

SE Requirements Decomposition & Mgmt

System

Seg 1   Sync   Seg 2

A,I,D,T   RVPs

*i*RIS

Requirement/Event Allocation

	Event 1	Event 2	Event 3
System	X	...	X
Seg1	...	X	...
Seg 2	X	...	X

Event Integration Sheets

- Description/Objectives
- Success Criteria
- Requirements (formal vs RR)
- Schedule
- Resources
- Draft/Baseline/Sign-off

Verification Plans

- Test & Evaluation Master Plan
- M&S Analysis Plans
- Specialty Engineering Analysis/ Inspection Plans
- Event Integration Sheet Annex

EISs

Verification Results Module

- Pass/Fail
- Actual Verification Date
- Discrepancy Reports (DRs)
- Lessons Learned
- Draft/Baseline/Sign-off

Verification Reports/CVRB

- Data Analysis
- Requirement Disposition
- Analytical Tools Used
- Test Cases to Requirements Correlation Matrix
- Event Integration Sheet(s)

EISs

Verification Procedures

- UUT/Test Articles
- Test/Use Cases
- Detailed Instructions
- Inputs/outputs
- Nominal/Off-nominal
- Requirement Cross Reference

Discrepancy Data

Entering the Requirements Workspace

Requirements List View

Requirements File Cabinet

CelerisSystems ℠

Click to return to list view

Double-click to view proposed and approved changes

Home | Administration | Imports | Deletions | Program | **Requirements** | Cybersecurity | Verification | Hazards | Reporting | Help | Logoff

Requirements | Requirement Detail | Key Word Search | Requirement Trace

Requirement: BST1-008 : Booster RF Emitter General Design Requirements

General | TPM | Note | Source | Functions | Measure | Issues | Risks | Analysis | Hyperlinks | Changes | Comments | Misc. | RVP

Requirement Number: BST1-008

Requirement Name: Booster RF Emitter General Design Requirements

☐ Publish Only

External ID:

Description:
The booster Fail-safe systems shall be incorporated so that inadvertent operation of any hazardous RF emitting system is prevented.

Type: R

Effectivity: ICBM 1-4

Cyber/IA:

CTP: TPM-5

TPM/KPP:

EA: Safety

Specification: 07) Rocket Motor Specification

Paragraph Number: 3.8

Specificaton Owners:
Angel Martinez

Critical To System Verification:

Verification Method:
☑ Analysis
☐ Inspection
☐ Demo
☐ Special Method
☐ Test

Parents:
SYS-003
SYS-026
RCC-002

Children:

Name:
System Safety

Description:
Any computing system, software, or firmware that performs a software safety critical function shall undergo the analysis needed to ensure reliable operation in accordance with the requirement in Attachment 1 of this document.

Add/Edit Relationship(s)...

Events:

Legend:

Drag a column header here to group by that column

Verification Number	Title	Forecast Date	Status
▶ 1024-S1BST	Booster Reliability Analysis	9/20/2020	Met

Right-click to navigatee to verification results

Double-click to navigate to the verification event

Save Entry | Comment | Propose Change | Close

?

Key Word Search & Parent/Child Trace View

- Searches across the entire requirements database
- Double-click on the requirement number to open the requirement in the Requirement Detail form

Creating/Editing Requirements