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Module 4:
Requirements Verification Completion

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iRIS in the Verification Completion Workflow

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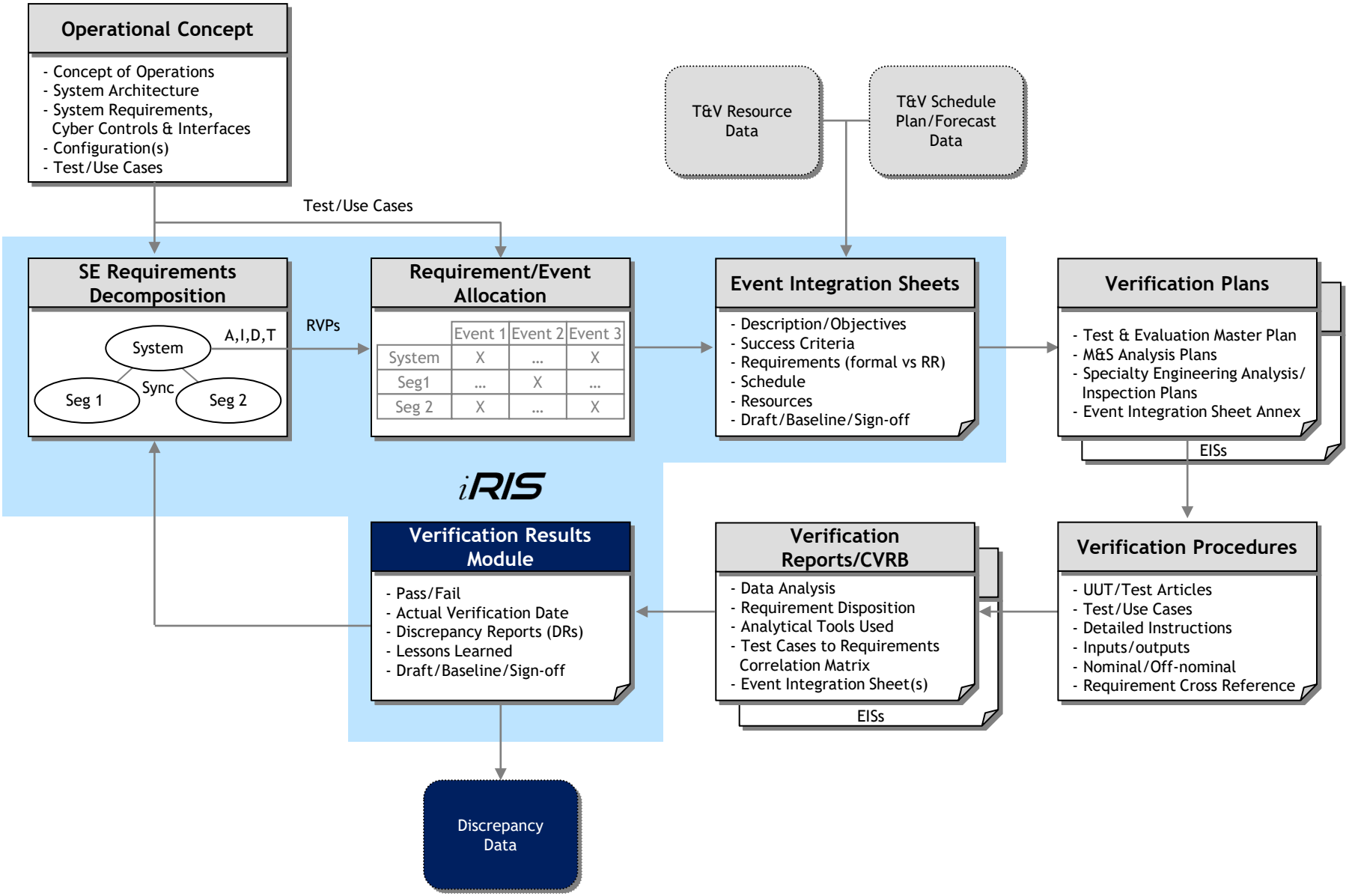

Module Objective: Learn how to use EBP/iRIS to support verification completion

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- EIS Requirement Disposition
  - Requirement Disposition Data Entry Options
    - Manual
    - Batch Processing
  - Verification Status Definitions
  - Electronic Signature
    - Requirement Level
    - Event Level

Entering the Requirements Verification Completion Workspace

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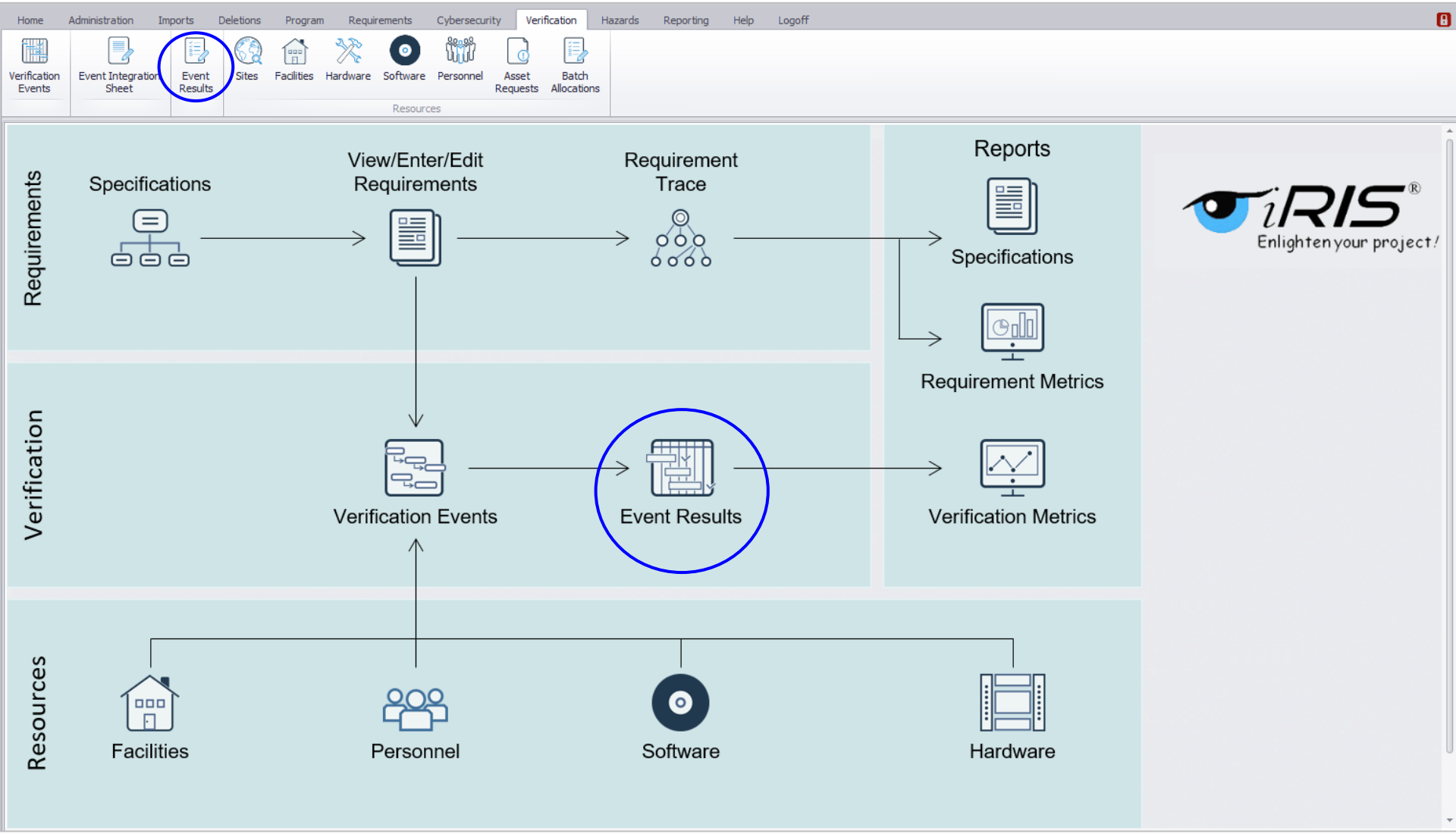

EIS Completion Report

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Status Options

- (•) Met
- ( ) Not Met
- ( ) Partial
- ( ) Not Tested

Verification Report: 1017-FTS Flight Termination System Performance Test

18 Requirements

Start: 12/28/2019 **End:** 12/28/2019

Links to EIS Documents and Information	
Description:	**Hyperlink:**

Requirement Number:	CA-007	**External ID:**		**Name:**	Nozzle Control Actuator Drive nut and thrust base assembly

Description

For multi turn rising stem applications, the drive nut shall be installed in a detachable, ductile iron thrust base. The design shall allow actuator removal from the thrust base, leaving the thrust base attached to the valve to retain valve position. Thrust bearings shall be lubricated by means of an easily accessible grease fitting.

Status:	Met	**Specification:**	08) Booster TVC Actuators	**Deviation Report Number**	
Verification Evidence	Test Report 123, Page 96			**Waiver Number**	

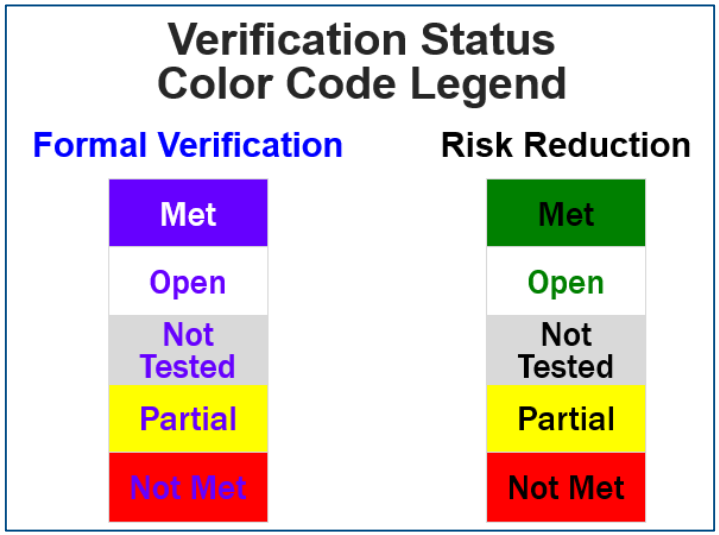
Verification Approach

Specific data monitors were sampled to verify correct levels

Links to Result Documents and Information	
Description:	**Hyperlink:**
Compliance Artifact	http://localhost/pro_1/Hyperlinks/risetime.png

Signatures		
Responsibility	**Staff Name:**	**Date**
Responsible Engineer		
Customer		

Verification Status Color Code Definition CelerisSystems℠



- Color Codes Used in iRIS GUIs & Reports
- Provide Real-time Verification Status

Data Entry Form

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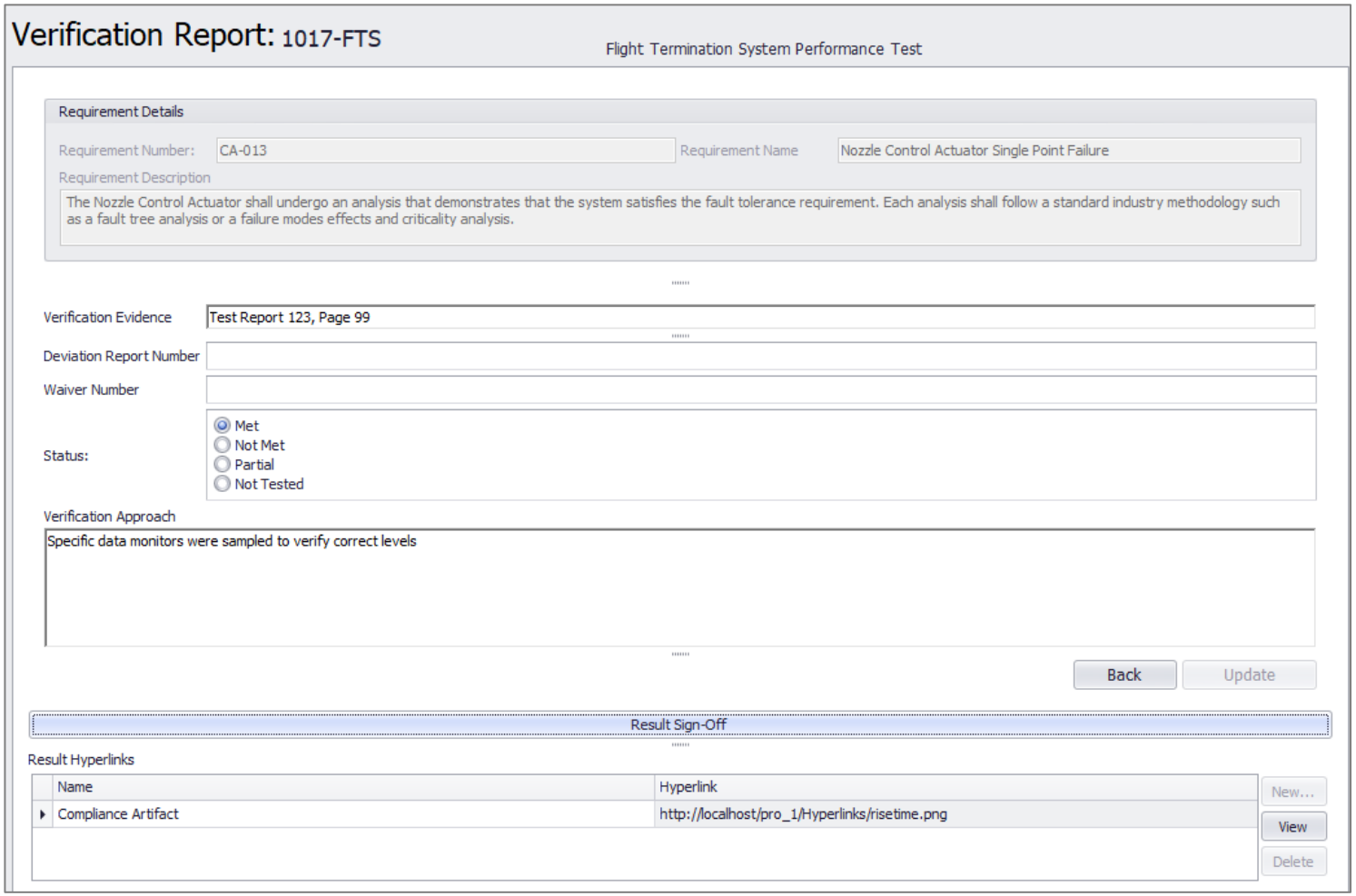

iRIS Administrator Can also Batch Import Results Using MS Excel

EIS Results Requirement Migration

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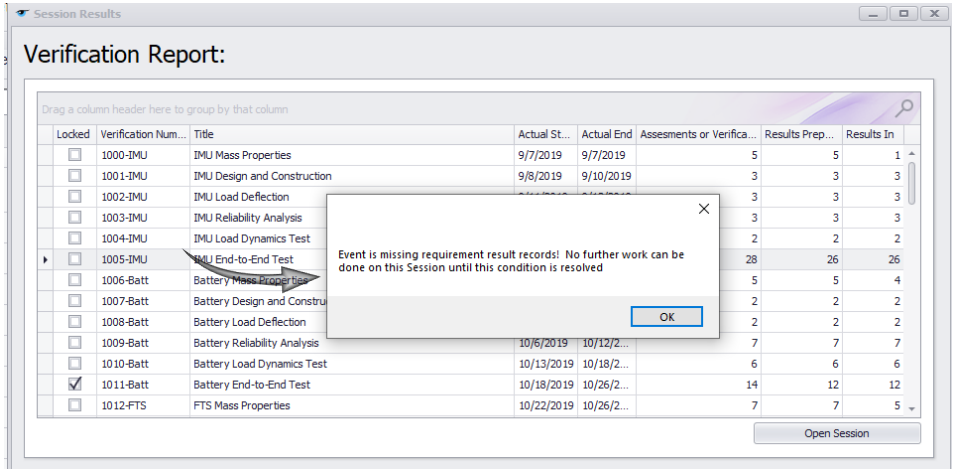
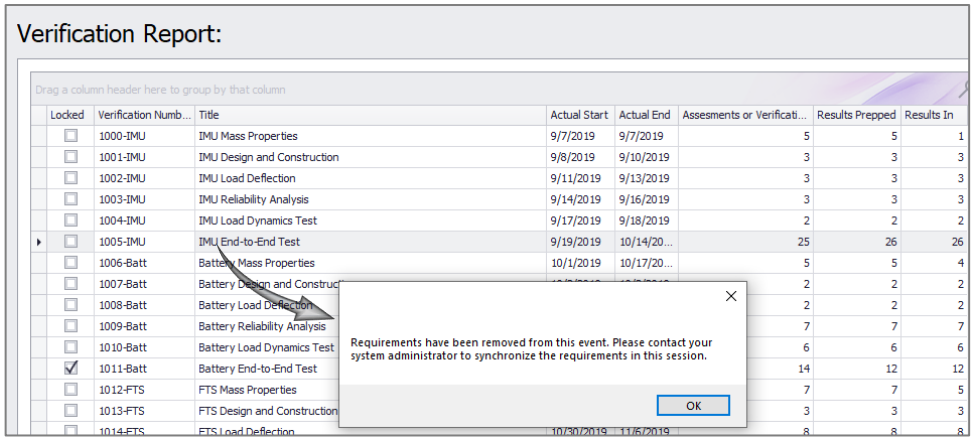
- On Occasion, Requirements May Migrate in-to or out-of EISs During the Verification Results Data Entry Process
- iRIS has Built-in Controls to Notify Users When Requirement Migration has Occurred:

iRIS Administrators and EIS Owners can Accept or Reject these Changes



Indicates Requirements have been added to the EIS



Indicates Requirements have been Removed from the EIS

Data Entry Form

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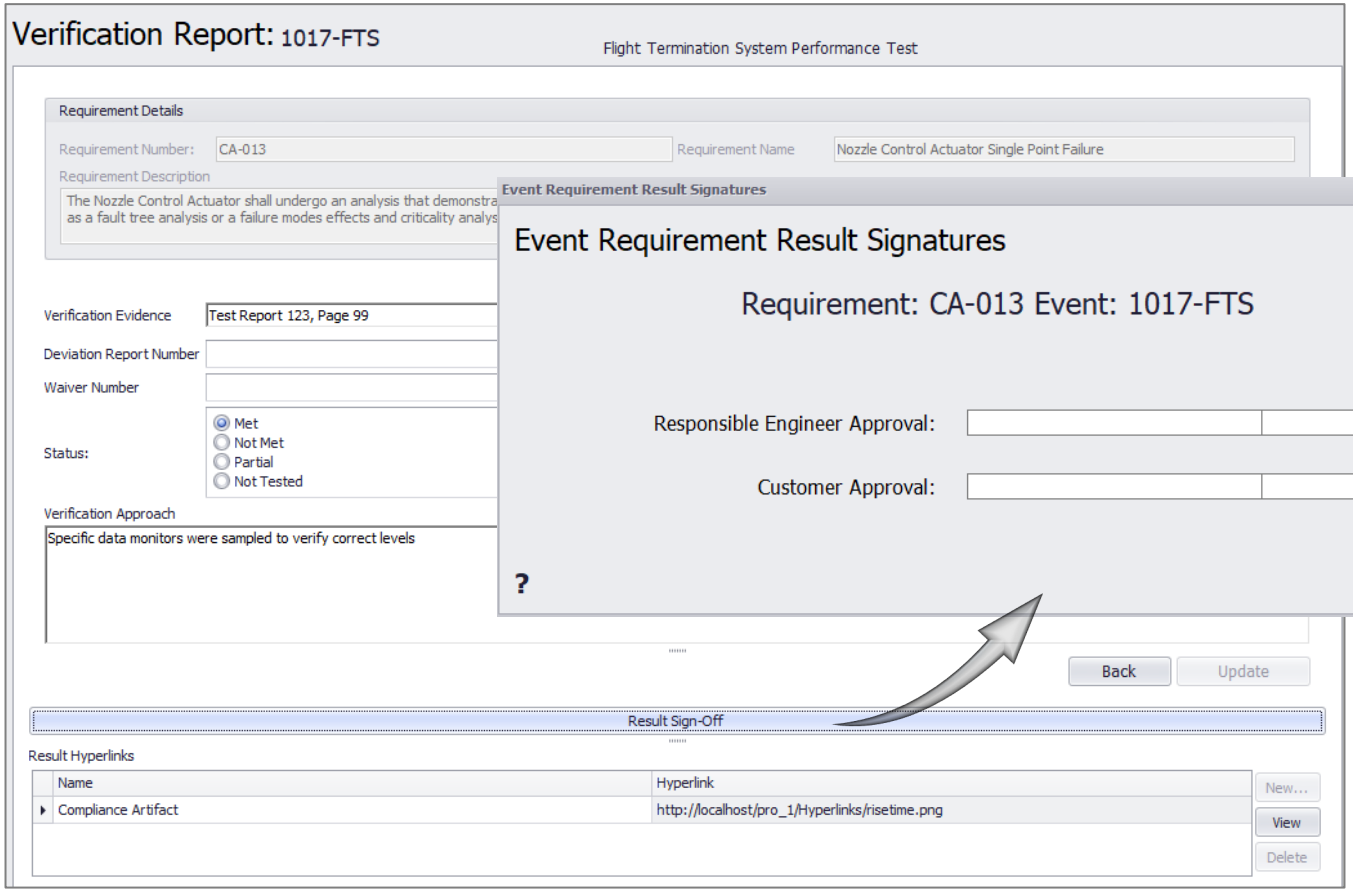

Event-level Electronic Signature

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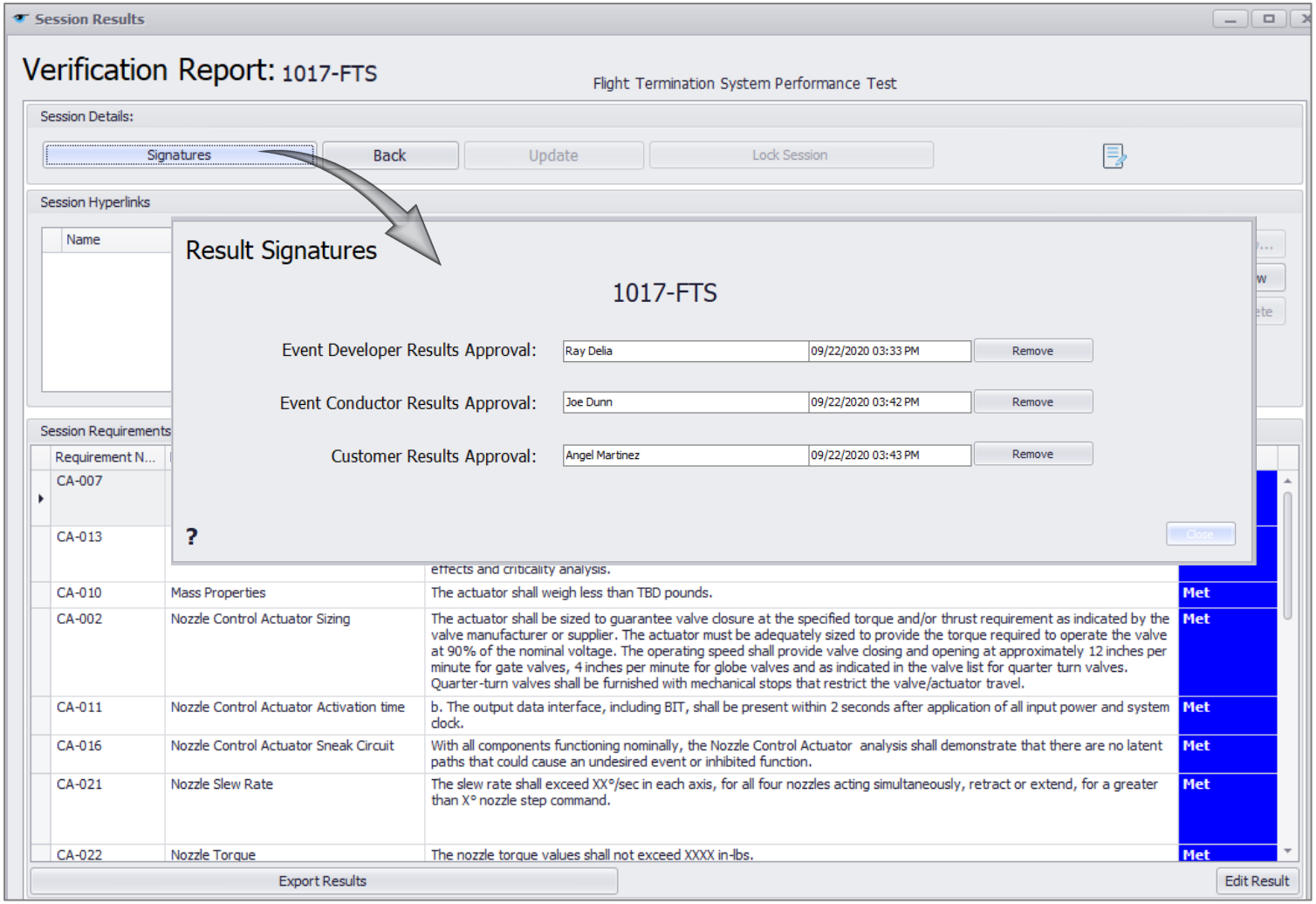

Session Locking

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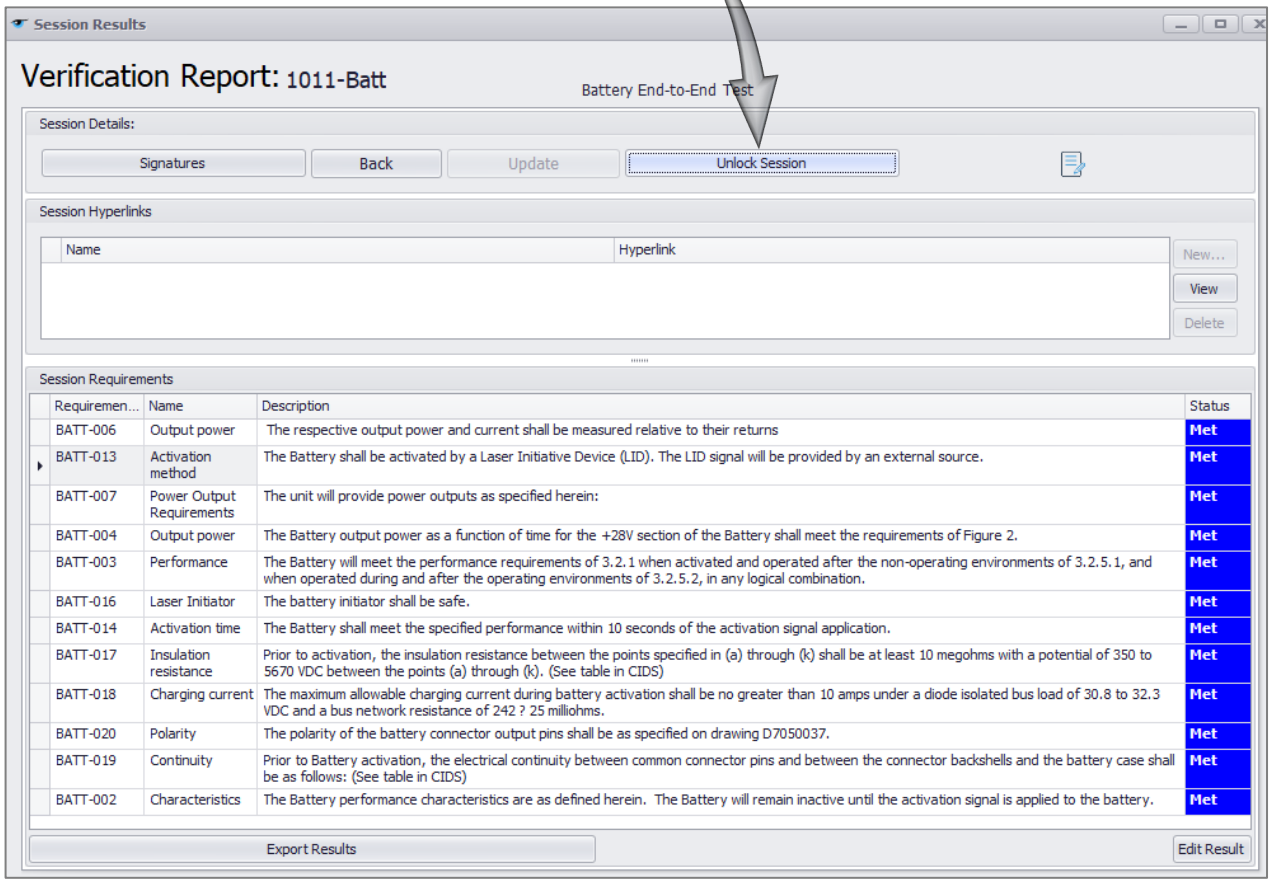
iRIS Administrators and Event Owners can Lock the Results Session When Data Entry is Complete



Requiremen...	Name	Description	Status
BATT-006	Output power	The respective output power and current shall be measured relative to their returns	Met
BATT-013	Activation method	The Battery shall be activated by a Laser Initiative Device (LID). The LID signal will be provided by an external source.	Met
BATT-007	Power Output Requirements	The unit will provide power outputs as specified herein:	Met
BATT-004	Output power	The Battery output power as a function of time for the +28V section of the Battery shall meet the requirements of Figure 2.	Met
BATT-003	Performance	The Battery will meet the performance requirements of 3.2.1 when activated and operated after the non-operating environments of 3.2.5.1, and when operated during and after the operating environments of 3.2.5.2, in any logical combination.	Met
BATT-016	Laser Initiator	The battery initiator shall be safe.	Met
BATT-014	Activation time	The Battery shall meet the specified performance within 10 seconds of the activation signal application.	Met
BATT-017	Insulation resistance	Prior to activation, the insulation resistance between the points specified in (a) through (k) shall be at least 10 megohms with a potential of 350 to 5670 VDC between the points (a) through (k). (See table in CIDS)	Met
BATT-018	Charging current	The maximum allowable charging current during battery activation shall be no greater than 10 amps under a diode isolated bus load of 30.8 to 32.3 VDC and a bus network resistance of 242 ? 25 milliohms.	Met
BATT-020	Polarity	The polarity of the battery connector output pins shall be as specified on drawing D7050037.	Met
BATT-019	Continuity	Prior to Battery activation, the electrical continuity between common connector pins and between the connector backshells and the battery case shall be as follows: (See table in CIDS)	Met
BATT-002	Characteristics	The Battery performance characteristics are as defined herein. The Battery will remain inactive until the activation signal is applied to the battery.	Met