

# A Glimpse Into OptiTester™

- Users can search through all relevant fields
- Search is incremental and filters are available
- Customizable display grid, users can define displayed columns, ordering, etc
- Results can be exported to Excel

VCA - Traceability Matrix Search

Page Safety Tools

**Element Type**  
 L2 Component Requirement

**Traceability**  
 Vertical Down  Vertical Up  Horizontal  All

**Incremental Search**  
 Add Selected  Filter Selected  New Search

**Data Fields**

Name:  Description:  Vendor ID:

Release:  Effective Version:  Expire Version:

Segment:  Component:  Parent Name:

Source:

**Results Grid**

[View Selected Items](#) [Export](#)

Select All	Name	Description	Vendor ID	Release	Eff Ver
<input checked="" type="checkbox"/>	[Locomotive-Introduction.Screen Layout-Graphic Elements.1.7.1.6.1] When the track map is displayed, the on-board segment shall display the location of all facing signals in white	When the track map is displayed, the on-board segment shall display the location of all facing signals: with signal graphic type of "left" in white to the left of the track line with respect to the increasing milepost direction with the	L2R59	On-board 6.3.7	2.6

**Edit Visible Columns**

Hidden Columns	Displayed Columns
Bookmark	Name
From System	Description
To System	Vendor ID
Message ID	Release
Message Version	Effective Version
From System Target Release	Expire Version
To System Target Release	Segment
Configuration Time	Component
Configuration Type	Parent Name
Configuration Road	Source

# A Glimpse into OptiTester™

## Traceability Tree

### Traceability Matrix Tree: Vertical Down Trace

#### Custom Trace

- ▼ [Regulatory System, §236.1005(a)(1)(ii)] Overspeed derailments, including de
  - ▼ L0 System Requirements
    - ▼ [L0 System Requirements.2] Prevent Overspeed Derailments
      - ▼ L1 System Requirements
        - ▼ [L1 System Requirements.2] Enforcement of Track Bulletins
          - ▶ L2 System Requirements
          - ▼ L2 Component Requirements
            - ⚡ [Locomotive-Summary Consist Train Type and Speed F
            - ⚡ [Locomotive-Mandatory Directives.Displaying Mandatory "Mandatory Directiv
            - ⚡ [Locomotive-Mandatory Directives.Displaying Mandator
            - ⚡ [Locomotive-Mandatory Directives.Displaying Mandator
            - ▼ ⚡ [Locomotive-Mandatory Directives.Displaying Mandatory Di  
DISENGAGED, the on-
              - ▶ [CSXUseCases-Initialization-1.8.1.1] Success - Obt
              - ▶ [CSXUseCases-Initialization-1.8.2.2] Failure - CI BO
              - ▶ [CSXUseCases-Authorities-5.4.1.3] Single Subdivis

Can expand full traceability



Or customize on direction, types



## Traceability Tree

### Traceability Matrix Tree: Vertical Down Trace

#### Custom Trace

##### Trace Direction

<input checked="" type="checkbox"/>	Vertical Down
<input type="checkbox"/>	Vertical Up
<input type="checkbox"/>	Horizontal
<input type="checkbox"/>	All

Apply

##### Skipped Types

- L2 Component Requirement
- Message
- Configuration Item
- Configuration Category
- Document
- Folder/Section
- Release
- Test Cycle
- Regulatory Requirement
- Log



##### Displayed Typ

Use Case

- ▼ [Regulatory System, §236.1005(a)(1)(ii)] Overspeed derailments, including derailments related to railroad civil engi
  - ▶ [CSXUseCases-Initialization-1.7.1.1] Success - Obtain Train ID (Single Railroad Initialization)
  - ▶ [CSXUseCases-Initialization-1.7.1.2] Success - Obtain Train ID (Multi-railroad Initialization)
  - ▶ [CSXUseCases-Initialization-1.7.2.1] No Train IDs Found (Single Railroad Initialization)

# A Glimpse into OptiTester™

## Testing Status Update Report

Search Criteria

Testing Cycle

Test Run Blocks:1. Installation Verification(Segment Testing)OB6.3.7.5/Phase-1\_OB6.3.7.5\_UP8236

Submit

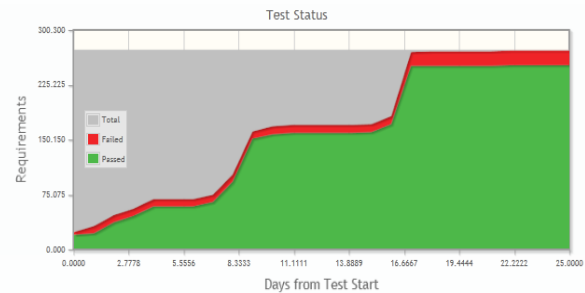
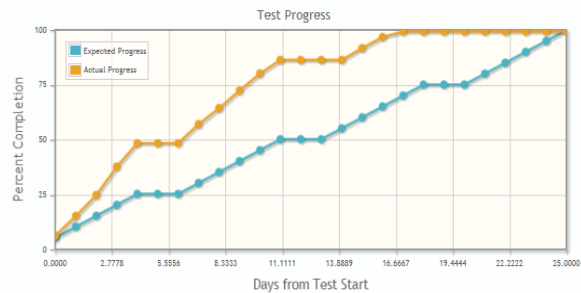
Reset

### Test Status Report Test Cycle Phase-1\_OB6.3.7.5\_UP8236

**Name:** Phase-1\_OB6.3.7.5\_UP8236 **Start Date:** 5/14/12  
**Test Cycle ID:** 1040 **End Date:** 6/8/12  
**Total Requirements:** 2610 **Tested Release(s):** On-board 6.3.7  
**Total Requirements New/Updated:** 99  
**Requirements being Tested:** 273  
**Requirements New/Updated being Tested:** 1  
**Warning:** 1 / 708 tested procedures executed after end date

[Defects Details](#) [Export](#)

COB Date	Test Procedures									Device Under Test Defect Severity									Device Under Test Defect Status		
	Total	Steps Expected	Steps Executed	Test Completed	Req Completed	Test Cumulative	Req Cumulative	Req Passed	Req Failed	Total Defects	Device Under Test	Test System	Reqs / Docs	Not known	Critical	Severe	Medium	Minor	New	Open	Closed
6/8/12	708	100%	99%	0	0	707	272	252	20	0	0	0	0	0	0	0	0	0	0	0	0
5/14/12	708	5%	6%	41	0	41	23	19	4	6	5	0	1	0	0	0	1	4	0	5	0
5/15/12	708	10%	15%	54	0	95	31	21	10	2	2	0	0	0	0	1	1	0	0	2	0
5/16/12	708	15%	24%	76	0	171	46	36	10	0	0	0	0	0	0	0	0	0	0	0	0
5/17/12	708	20%	38%	113	0	284	55	45	10	0	0	0	0	0	0	0	0	0	0	0	0
5/18/12	708	25%	48%	81	0	365	68	58	10	0	0	0	0	0	0	0	0	0	0	0	0
5/19/12	708	25%	48%	0	0	365	68	58	10	0	0	0	0	0	0	0	0	0	0	0	0
5/20/12	708	25%	48%	0	0	365	68	58	10	0	0	0	0	0	0	0	0	0	0	0	0
5/21/12	708	30%	57%	86	0	451	74	64	10	0	0	0	0	0	0	0	0	0	0	0	0
5/22/12	708	35%	64%	72	0	523	102	92	10	0	0	0	0	0	0	0	0	0	0	0	0



© 2011 CSX Technology. All rights reserved.

# Contact Us for a Demo



[www.princeton.com](http://www.princeton.com)

**Robert Steen**  
**Director**  
**RSteen@Princeton.com**

**Octavian Teodorescu**  
**Senior Consultant**  
**OTeodorescu@Princeton.com**