

# PTC ILM Interoperable Asset Configuration Management User Guide



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## Learning about PTC ILM Configuration Management

*Positive Train Control Interoperable Lifecycle Management (PTC ILM)* is a platform that enables the railroad industry to manage the Interoperable Configuration Items (ICIs) and Interoperable Coordinated Deployment Items (ICDIs) that comprise the interoperable aspects of PTC throughout their lifecycle.

**Important:** Refer to the [PTC ILM Getting Started Guide](#) for more introductory information about PTC ILM, including an overview, information about user roles, and login instructions.

*PTC ILM Interoperable Asset Configuration Management* is an application module within the PTC ILM application that enables users to identify the versions and attributes of deployed PTC artifacts to facilitate interoperability between rail industry systems.

**Note:** You must have one of the following roles to use PTC ILM Interoperable Asset Configuration Management.

- **Standard User**  
Standard User access is read only.
- **Railroad Configuration Manager**  
Railroad Configuration Managers have access to the ICI Deployment Record Management menu and the ICI Railroad Audit menu.
- **Interoperable Configuration Manager**  
Interoperable Configuration Managers have access to all menus.
- **Railroad PTC ILM System Administrator**  
Railroad PTC ILM System Administrators have access to all menus.

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## Overview

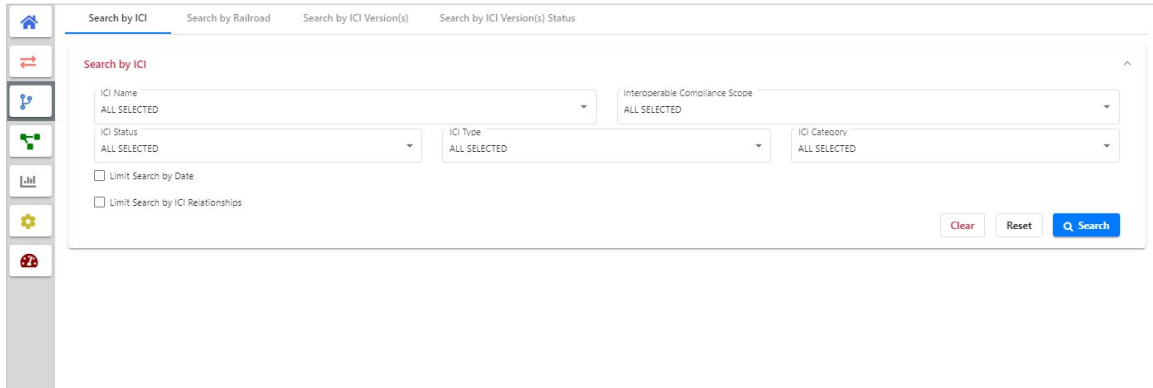
An Interoperable Configuration Item (ICI) is a PTC artifact that has been defined to be managed at an industry level to support PTC interoperability.

Interoperable Asset Configuration Management is the process by which all versions and attributes of ICIs and ICDI categories deployed for interoperable service by a railroad are documented, communicated, and recorded in the Interoperable Configuration Management Database (ICMDB).

An Interoperable Change Request (ICR) is the electronic entity used to facilitate the approval of a new permissible version or the mandatory decommissioning of a PTC artifact that will be used in interoperable service. An Interoperable Deployment Request (IDR) is a request to deploy a permissible ICI version to your railroad. A Standalone Interoperable Deployment Request (SIDR) is a unique type of IDR that is not tracked in the ICMDB but requires coordination and approval by the ICAB. Refer to the [PTC ILM Interoperable Change Management User Guide](#) for information about working with ICRs, IDRs, and SIDRs.

When you select the Interoperable Asset Configuration Management icon from the ILM Application Suite page as described in the [PTC ILM Getting Started Guide](#), the Interoperable Asset Configuration Management application module opens and displays the Search page (see [Exhibit 1](#)).

**Exhibit 1. Configuration Management Search Page**



The PTC ILM Interoperable Asset Configuration Management application contains the following main menu items (your access depends on your role):

- Search – enables you to search ICIs by name, railroad, or version (see [Searching for ICIs](#) on page 3).
- ICI Deployment Record Management – enables you to baseline ICIs (see [Baselining ICIs](#) on page 11).
- ICDI Management – enables Interoperable Configuration Managers to create, edit, and delete ICDI categories (see [Creating and Editing ICDIs](#) on page 16).
- ICI Management – enables you to view, create, and edit ICIs (see [Creating and Editing ICIs](#) on page 12).
- ICI Relationship Management – enables you to manage ICI relationships (see [Managing ICI Relationships](#) on page 18).
- ICI Version Management – enables you to manage ICI versions (see [Managing ICI Versions](#) on page 20).
- ICI Version Relationship Management – enables you to manage ICI version relationships (see [Managing ICI Version Relationships](#) on page 22).
- ICI Railroad Audit – enables you to perform a self-audit of your railroad’s ICI information (see [Performing Railroad Audits](#) on page 24).

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## Accessing the Railinc Customer Success Center

The Railinc Customer Success Center (CSC) provides reliable, timely, and high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877-RAILINC (1-877-724-5462) or send an email directly to [csc@railinc.com](mailto:csc@railinc.com).

## Searching for ICIs

PTC ILM Interoperable Configuration Management has a powerful search function that enables you to locate ICIs by name, implementing railroad, or version number. The Search page ([Exhibit 2](#)) is displayed when you first open the Configuration Management application module.

**Exhibit 2. Configuration Management Search**

The screenshot shows a search interface with four tabs: "Search by ICI", "Search by Railroad", "Search by ICI Version(s)", and "Search by ICI Version(s) Status". The "Search by ICI" tab is active. Below the tabs, there are several search filters: "ICI Name" (dropdown menu, "ALL SELECTED"), "Interoperable Compliance Scope" (dropdown menu, "ALL SELECTED"), "ICI Status" (dropdown menu, "ALL SELECTED"), "ICI Type" (dropdown menu, "ALL SELECTED"), and "ICI Category" (dropdown menu, "ALL SELECTED"). There are also two checkboxes: "Limit Search by Date" and "Limit Search by ICI Relationships", both of which are unchecked. At the bottom right, there are three buttons: "Clear", "Reset", and "Search" (with a magnifying glass icon).

The first step in performing a search is to choose one of the following:

- [Search by ICI](#) – enables you to locate ICIs by name.
- [Search by Railroad](#) – enables you to locate ICIs by implementing railroad.
- [Search by ICI Version\(s\)](#) – enables you to locate ICIs by version number.
- [Search by ICI Version\(s\) Status](#) – enables you to see all versions associated with all ICIs.

## Searching by ICI Name

When you select **Search by ICI** (this is the default search method), the Search page displays the Search by ICI fields ([Exhibit 3](#)).

**Exhibit 3. Search by ICI Fields**

The screenshot shows the same search interface as Exhibit 2, but with the "Search by ICI" tab selected. The filters and buttons are identical to those in Exhibit 2.

Use the following procedure to locate ICIs by name:

1. Complete one or more of the following fields to locate the needed ICI(s).

<b>ICI Name</b>	This field lists every ICI by name. By default, all ICIs are included in the search. If you know the name of the ICIs to search for, select their checkboxes in this field.
<b>Interoperable Compliance Scope</b>	This field lists each possible ICI scope value. By default, all scopes are included in the search. If you know the scope of the ICIs to search for, select the appropriate checkboxes in this field.
<b>ICI Status</b>	This field lists each possible ICI status (Proposed, Adopted, and Retired). By default, all statuses are included in the search. If you know the statuses of the ICIs to search for, select the appropriate checkboxes in this field.
<b>ICI Type</b>	This field lists each possible ICI type. By default, all types are included in the search. If you know the types of the ICIs to search for, select the appropriate checkboxes in this field.
<b>ICI Category</b>	This field lists each possible ICI category. By default, all categories are included in the search. If you know the categories of the ICIs to search for, select the appropriate checkboxes in this field.


2. Optionally check one or more of the following checkboxes to further refine your search:

<b>Limit Search by Date</b>	Select the date type (Adoption Date or Retirement Date) and select a date range to limit your search.
<b>Limit Search by ICI Relationships</b>	This field lists each possible ICI relationship type. By default, all relationship types are included in the search. If you know the relationship types of the ICIs to search for, select the appropriate checkboxes in this field.

3. Select **Search** to perform the search. The search criteria fields are hidden, and search results are displayed in a grid below the search criteria.

**Note:** Before performing the search, you can select **Clear** to empty all the search criteria fields or select **Reset** to return all the fields to their default setting if needed.

Once you have results displayed, you can:

- Select the  icon at the top right to redisplay the search criteria fields, make modifications, and perform another search.
- [Sort and filter the search results](#) to focus on the information you need.
- [Export search results to a CSV file.](#)

## Searching for ICIs

[Exhibit 4](#) shows an example of Search by ICI results with sorting and filtering applied.

### Exhibit 4. Search by ICI Results with Sorting and Filtering Applied

ICI Name	ICI Type	ICI Category	ICI Status	Compliance Scope	Deployment Status Tracking	Limited Scope ICI	Limited Scope ICI Railroads
AAR: S-YYYY Federated Network Requirements	Standard	AAR Published Standards	Retired	All Railroads	Yes	No	
AAR: S-YYYY WRS Requirements	Standard	AAR Published Standards	Retired	All Railroads	Yes	No	
AAR: S-YYYY ITCNet Over the Air Specification	Standard	AAR Published Standards	Retired	All Railroads	Yes	No	
ITC: HTMS Risk Assessment [RA] - Vital Overlay	Safety Artifact	ITC Configuration Items	Retired	Railroads Deploying the ICI	Yes	No	
RR/ITC: OSCARs (RR specific version) [OSCAR]	Safety Artifact	ITC Configuration Items	Retired	All Railroads	Yes	No	
WRE Railroad Specific Configuration Files - Alaska RR Corp	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	
WRE Railroad Specific Configuration Files - Great Northwest Railroad	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	
WRE Railroad Specific Configuration Files - Iowa Pacific Holdings, LLC	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	
WRE Railroad Specific Configuration Files - Lycoming Valley Railroad Co	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	
WRE Railroad Specific Configuration Files - New Jersey Transit Corp	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	
WRE Railroad Specific Configuration Files - North Shore Railroad Company	Configuration Release	Vendor Proprietary Configuration Items	Retired	Railroads Deploying the ICI	No	No	

Select an ICI name to view (and edit if you have permissions) information about that ICI (see [Creating and Editing ICIs](#) on page 12 for more information).

## Searching by Railroad

When you select **Search by Railroad**, the Search page automatically performs a search and displays the ICIs for your railroad with a version status of Current Deployed Version(s) ([Exhibit 5](#)).

### Exhibit 5. Search by Railroad Fields

ICI Name	UP
AAR: S-9058 ITC Ticket Management Requirements and Use Cases	1.0
AAR: M-9155 Locomotive Command and Control Module (LCCM) - Functional Requirements	2.2
	2.3
AAR: M-9453 System Management Asset User Interface Requirements	1.0
AAR: RP-9457 Master Test Strategy	1.0
AAR: RP-9511 Field Survey and Validation Best Practice	2.0
AAR: S-4047 PTC - Locomotive Air Brake Interface Requirements	1.0
AAR: S-9001 ITC System Reference Architecture	1.0
AAR: S-9010 Data Protection	1.0
AAR: S-9053 ITC System Requirements - Level 0	2.0
AAR: S-9054 ITC System Requirements - Level 1	2.0
AAR: S-9055 ITC Comms and Messaging Sys Req - Level 1	1.0
AAR: S-9056 Wayside Requirements - Level 1	1.0
AAR: S-9057 ITC Systems Management Reqs - Level 1	1.0



## Searching for ICIs

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You can select railroads and see the ICIs that they have deployed or decommissioned. Select a railroad or railroads from the Select Railroad drop-down. This field lists every railroad mark and child mark. By default, your railroad is included in the search. You can select or deselect checkboxes for any or all railroads.

Next, use the Select View drop-down list to choose the status of the ICI versions you want to view:

- Version(s) Proposed for Deployment
- Version(s) Being Deployed
- Currently Deployed Version(s)
- Version(s) Proposed for Decommissioning
- Version(s) Being Decommissioned
- Decommissioned Version(s)
- Version(s) Not Deployed

PTC ILM automatically performs a search and displays the ICIs for the railroads and version status you selected.

Once you have results displayed, you can:

- Modify the Select Railroad field to view ICIs that have been implemented (deployed) by different railroads.
- Modify the Select View field to view ICIs that have a different status.
- [Sort and filter the search results](#) to focus on the information you need.

[Exhibit 6](#) shows an example of Search by Railroad results with multiple railroads selected and sorting and filtering applied.

**Exhibit 6. Search by Railroad Results for Multiple Railroads with Sorting and Filtering**

ICI Name	BNSF	CPRS	CSXT	UP
AAR: S-9058 ITC Ticket Management Requirements and Use Cases	1.0	1.0	1.0	1.0
AAR: M-9155 Locomotive Command and Control Module (LCCM) - Functional Requirements	2.3	2.3	2.3	2.2
AAR: M-9453 System Management Asset User Interface Requirements	9		2.4.1	2.3
AAR: RP-9457 Master Test Strategy	1.0	1.0	1.0	1.0
AAR: RP-9511 Field Survey and Validation Best Practice	N/A	2.0	2.0	2.0
AAR: S-4047 PTC - Locomotive Air Brake Interface Requirements	1.0		1.0	1.0
AAR: S-9001 ITC System Reference Architecture	1.0	1.0	1.0	1.0
AAR: S-9010 Data Protection	1.0	1.0	1.0	1.0
AAR: S-9053 ITC System Requirements - Level 0	2.0	2.0	2.0	2.0
AAR: S-9054 ITC System Requirements - Level 1	2.0	2.0	2.0	2.0
AAR: S-9055 ITC Comms and Messaging Sys Req - Level 1	1.0	1.0	1.0	1.0
AAR: S-9056 Wayside Requirements - Level 1	1.0	1.0	1.0	1.0
AAR: S-9057 ITC Sustainm Management Req - Level 1				

- [Export search results to a CSV file.](#)
- Select an ICI name to view (and edit if you have permissions) information about that ICI (see [Creating and Editing ICIs](#) on page 12 for more information).
- Select an ICI version number to view ICR information associated with the ICI. While viewing, you can select an ICR ID to switch to the PTC ILM Change Management module and view (and edit if you have permissions) detailed ICR information.

## Searching by ICI Versions

When you select **Search by ICI Version(s)**, the Search page displays the Search by ICI Version(s) fields ([Exhibit 7](#)).

**Exhibit 7. Search by ICI Version(s)**

Sponsor Railroad	Version(s) Proposed for Deployment	Version(s) Being Deployed	Current Deployed Version(s)	Version(s) Proposed for Decommissioning	Version(s) Being Decommissioned	Decommissioned Version(s)	Version(s) Not Deployed
No Rows To Show							

To search by ICI version, first choose an ICI from the Select ICI Name field and then select an ICI version (or multiple versions) from the Select ICI Version(s) field.

After you select the ICI version(s) to search for, the Search page automatically performs a search and displays the railroads that have implemented the selected ICI versions – both currently deployed and decommissioned.

## Searching for ICIs

Once you have results displayed, you can:

- [Sort and filter the search results](#) to focus on the information you need.
- [Export search results to a CSV file](#).

[Exhibit 8](#) shows an example of Search by ICI Version(s) results with sorting applied.

**Exhibit 8. Search by ICI Versions Results with Sorting Applied**

Sponsor Railroad	Version(s) Proposed for Deployment	Version(s) Being Deployed	Current Deployed Version(s)	Version(s) Proposed for Decommissioning	Version(s) Being Decommissioned	Decommissioned Version(s)	Version(s) Not Deployed
SOUND TRANSIT			1.0				1.1
SOUTH FLORIDA RTA			1.0			2.0	
SOUTH KANSAS & OKLAHOMA RAILROAD			N/A				1.0 1.1
SPRINGFIELD TERMINAL			2.0			1.0	1.0 1.1
STILLWATER CENTRAL RAILROAD			N/A			N/A	1.0 1.1
TACOMA RAIL			N/A				1.0 1.1
TEXAS NORTHEASTERN			N/A				1.0

Select an ICI version number to view information about the ICR that contains that ICI version (see [Creating and Editing ICIs](#) on page 12 for more information). While viewing, you can select the ICR ID to switch to the PTC ILM Change Management module and view (and edit if you have permissions) ICR information.

## Searching by ICI Version(s) Status

When you select **Search by ICI Version(s) Status**, the Search page displays all versions of each ICI in a table ([Exhibit 3](#)).

**Exhibit 9. Search by ICI Version(s) Status**

ICI Name	ICI Version	ICI Status
AAR: S-9058 ITC Ticket Management Requirements and Use Cases	1.0	Adopted
	1.2.3.4TEST	
	99	
	AAR: 1.0	
	ITC: 2.4	
	ITC: 2.4 Do Not Use	
AAR: M-9155 Locomotive Command and Control Module (LCCM) - Functional Requirements	N/A	
	1.0	Adopted
	2.2	
	2.3	
	2.4.1	
	2.4.2	
2.5		

The table displays the following information about ICIs:

<b>ICI Name</b>	This field lists every ICI by name. By default, all ICIs are included in the search.
<b>ICI Version</b>	This field lists each ICI version.
<b>ICI Status</b>	This field lists each possible ICI status (Proposed, Adopted, and Retired).

You can perform the following tasks:

- [Sort and filter the search results](#) to focus on the information you need.
- [Export search results to a CSV file.](#)
- Select an ICI name to view (and edit if you have permissions) information about that ICI (see [Creating and Editing ICIs](#) on page 12 for more information).

## Sorting and Filtering Search Results

The results of searches are displayed in a grid (see [Exhibit 10](#)).

**Exhibit 10. The Search Results Grid**

The screenshot shows a search interface with a dropdown menu set to 'Search by ICI'. Below the search bar, there is a 'Show Hidden ICIs' toggle and a '252 of 252' indicator. A 'Clear Filters' button and a download icon are also present. The main table has the following columns: ICI Name (with an upward arrow), ICI Type, ICI Category, ICI Status, Compliance Scope, Deployment Status Tracking, and Limited Scope ICI. The table contains 20 rows of data, each representing an ICI with its specific details.

ICI Name	ICI Type	ICI Category	ICI Status	Compliance Scope	Deployment Status Tracking	Limited Scope ICI
<a href="#">AAR: S-9058 ITC Ticket Management Requirements and Use Cases</a>	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: M-9155 Locomotive Command and Control Module (LCCM) -</a>	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: M-9453 System Management Asset User Interface Requirements</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: RP-9457 Master Test Strategy</a>	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: RP-9511 Field Survey and Validation Best Practice</a>	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: S-4047 PTC - Locomotive Air Brake Interface Requirements</a>	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: S-9001 ITC System Reference Architecture</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9010 Data Protection</a>	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI	Yes	No
<a href="#">AAR: S-9053 ITC System Requirements - Level 0</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9054 ITC System Requirements - Level 1</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9055 ITC Comms and Messaging Sys Req - Level 1</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9056 Wayside Requirements - Level 1</a>	Standard	AAR Published Standards	Adopted	Railroads with WIUS	Yes	No
<a href="#">AAR: S-9057 ITC Systems Management Reqs - Level 1</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9070 HMI Specifications</a>	Standard	AAR Published Standards	Adopted	Railroads with Locomotives	Yes	No
<a href="#">AAR: S-9074 Federated Network Requirements</a>	Standard	AAR Published Standards	Adopted	All Railroads	Yes	No
<a href="#">AAR: S-9075 ISMP Design Considerations</a>	Standard	AAR Published Standards	Adopted	Railroads with PTC Back Office	Yes	No
<a href="#">AAR: S-9076 Interoperable Systems Management Gateway Requirements</a>	Standard	AAR Published Standards	Adopted	Railroads with PTC Back Office	Yes	No

The grid displays rows and columns of information. To see all the rows in the grid, use the vertical scroll bar. Use the horizontal scroll bar to view any columns of data that exceed the width of the viewable area.

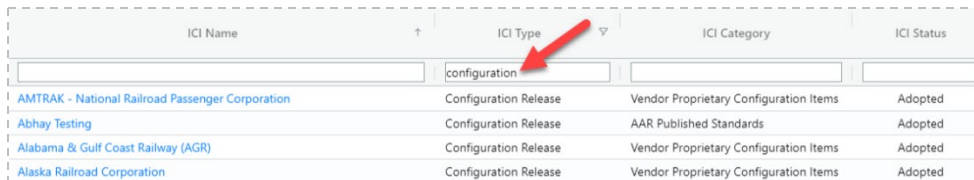
You can sort the displayed information by column in ascending or descending order. Simply select the column heading for the column you want to sort. An arrow (↑ or ↓) is displayed next to the heading to indicate the sort order. Select the column heading again to switch the sort order.

## Searching for ICIs

You can filter the information displayed in the grid to only show rows containing information you need to see. Each column contains a filter field directly below the column heading.

To apply a filter to a column, type a word or phrase in a column's filter field that you want to see in the results. The displayed results are narrowed to only show rows that contain the filtered word or phrase. A filter icon (▼) is displayed in the column heading to remind you about the filter ([Exhibit 10](#)).

**Exhibit 11. Search Results Using Column Filter**



The screenshot shows a table with four columns: ICI Name, ICI Type, ICI Category, and ICI Status. Below each column heading is a filter input field. The 'ICI Type' filter field contains the text 'configuration' and has a red arrow pointing to it. The table displays four rows of results, all of which have 'Configuration Release' in the ICI Type column.

ICI Name	ICI Type	ICI Category	ICI Status
AMTRAK - National Railroad Passenger Corporation	Configuration Release	Vendor Proprietary Configuration Items	Adopted
Abhay Testing	Configuration Release	AAR Published Standards	Adopted
Alabama & Gulf Coast Railway (AGR)	Configuration Release	Vendor Proprietary Configuration Items	Adopted
Alaska Railroad Corporation	Configuration Release	Vendor Proprietary Configuration Items	Adopted

**Tip!** You can apply filters to multiple columns at once.

To remove filters, select the **Clear Filters** button or delete the characters from the filter field.

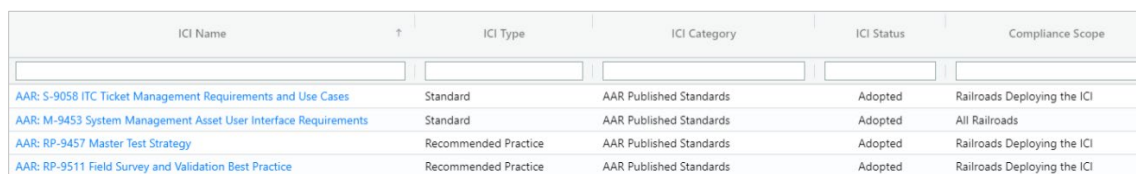
**Note:** Any changes that you make to the grid using sorting or filters are reflected if the data is exported.

## Exporting Search Results

You can export the information displayed in the grid to a Comma Separated Value (CSV) file, which can then be opened in a spreadsheet application.

Once you have the information you want to export displayed in the grid, select the **Export to CSV** button to download the grid contents to a CSV file ([Exhibit 12](#)).

**Exhibit 12. Search Results Data to be Exported**



The screenshot shows a table with five columns: ICI Name, ICI Type, ICI Category, ICI Status, and Compliance Scope. The table displays four rows of results.

ICI Name	ICI Type	ICI Category	ICI Status	Compliance Scope
AAR: S-9058 ITC Ticket Management Requirements and Use Cases	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI
AAR: M-9453 System Management Asset User Interface Requirements	Standard	AAR Published Standards	Adopted	All Railroads
AAR: RP-9457 Master Test Strategy	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI
AAR: RP-9511 Field Survey and Validation Best Practice	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI

**Note:** Any changes that you make to the grid using sorting or filters are reflected in the export.

Once the results are exported to a CSV file, you can then view them in a spreadsheet application ([Exhibit 13](#)).

**Exhibit 13. Exported Data in a Spreadsheet**



The screenshot shows a spreadsheet with five columns: ICI Name, ICI Type, ICI Category, ICI Status, and Compliance Scope. The data is organized into five rows.

	A	B	C	D	
1	ICI Name	ICI Type	ICI Category	ICI Status	Compliance Scope
2	AAR: S-9058 ITC Ticket Management Requirements and Use Cases	Standard	AAR Published Standards	Adopted	Railroads Deploying the ICI
3	AAR: M-9453 System Management Asset User Interface Requirements	Standard	AAR Published Standards	Adopted	All Railroads
4	AAR: RP-9457 Master Test Strategy	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI
5	AAR: RP-9511 Field Survey and Validation Best Practice	Recommended Practice	AAR Published Standards	Adopted	Railroads Deploying the ICI

## Baselining ICIs

Baselining ICIs involves identifying the initial versions of ICIs deployed at your railroad.

**Note:** Railroad Configuration Managers can only baseline their own railroad, while Interoperable Configuration Managers can select a railroad to baseline and perform baselining on their behalf.

Select **ICI Deployment Record Management** from the menu to begin baselining the ICIs at your railroad. PTC ILM displays the ICI Deployment Record Management page, which contains two tabbed lists: the Baseline Adopted ICI Version(s) tab contains a list of ICIs for which you need to enter the version deployed at your railroad and the Current Deployed Version(s) tab contains a list of your railroad’s deployed ICIs and the currently deployed versions ([Exhibit 14](#)).

**Exhibit 14. ICI Deployment Record Management**

The screenshot shows the 'ICI Deployment Record Management' interface. At the top, there are two tabs: 'Baseline Adopted ICI Version(s)' (selected) and 'Baseline Version(s)'. Below the tabs, there is a 'Select Railroad' dropdown menu set to 'UNION PACIFIC', a 'Complete Baseline' button, and a '16 of 16' indicator with a 'Clear Filters' button and a download icon. The main content is a table with the following columns: ICI Name, ICI Status, Adoption, Compliance Scope, and Versions. The table lists four ICIs:

ICI Name	ICI Status	Adoption	Compliance Scope	Versions
AAR: S-9075 ISMP Design Considerations	Adopted	04/01/2022	Railroads with PTC Back Office Systems	[Edit icon] This item is recommended to interoperable service, has pending AAR edits, and will r produced.
AAR: S-9076 Interoperable Systems Management Gateway Requirements	Adopted	08/17/2021	Railroads with PTC Back Office Systems	[Edit icon] v1.0 AAR published 08/17/21
AAR: S-9370 Interoperable Event and Status Service	Adopted	04/01/2022	Railroads with PTC Back Office Systems	[Edit icon] The following ICI is recomme interoperable service, has be pending AAR edits, and will r produced.
AAR: S-9382 Interoperable Asset Access Service	Adopted	04/01/2022		[Edit icon] This item is recommended to interoperable service, has be pending AAR edits, and will r produced.

While viewing the list of ICIs in the Baseline Adopted ICI Version(s) tab, select an edit icon (✎) in the Versions column for an ICI that needs to be baselined. A popup is displayed, listing all the available versions of the ICI ([Exhibit 15](#)).

**Exhibit 15. Select ICI Baseline Version Popup**

The screenshot shows a popup window with two checkboxes. The first checkbox is labeled 'Select All' and is currently unchecked. The second checkbox is labeled '86.3807' and is currently checked.

Select the checkbox for the version(s) of the ICIs deployed at your railroad. If your railroad has deployed all the versions of the ICI, choose the Select All checkbox.

Once you have specified all the ICI versions deployed at your railroad, select the **Complete Baseline** button to indicate that you have completed the baselining process for that ICI.

The newly baselined ICIs that were listed in the Baseline Adopted ICI Version(s) list are now displayed in the Current Deployed Version(s) list.

If a new ICI is added in the future, it will be displayed in the Baseline Adopted ICI Version(s) list for you to baseline.

## Creating and Editing ICIs

PTC ILM enables you to create new ICIs as well as edit existing ICIs.

**Note:** This feature is only available to Interoperable Configuration Managers.

Select **ICI Management** from the menu to begin managing ICIs. PTC ILM displays the ICI Management page, which contains a list of all the existing ICIs ([Exhibit 16](#)).

**Exhibit 16. ICI Management Page**

The screenshot shows the 'ICI Management' interface. At the top, there are buttons for '+ Create', 'Edit', and a toggle for 'Show Hidden ICIs'. On the right, it indicates '252 of 252' items and a 'Clear Filters' button. Below this is a table with the following columns: ICI Name, ICI Type, ICI Category, ICI Status, Deployment Status Tracking, and Limited Scope ICI. The table contains several rows of data, including items like 'AAR: 5-9058 ITC Ticket Management Requirements and Use Cases' and 'PTC 220: MTA 13, Tampa-St. Petersburg-Orlando Slot Plan'.

ICI Name	ICI Type	ICI Category	ICI Status	Deployment Status Tracking	Limited Scope ICI
AAR: 5-9058 ITC Ticket Management Requirements and Use Cases	Standard	AAR Published Standards	Adopted	Yes	No
WRE/TMDS: Back Office Server Software	Software Release	Vendor Proprietary Configuration Items	Adopted	Yes	No
PTC 220: MTA 13, Tampa-St. Petersburg-Orlando Slot Plan	Configuration Release	PTC 220 Configuration Items	Adopted	Yes	Yes
PTC 220: MTA 22, Denver Slot Plan	Configuration Release	PTC 220 Configuration Items	Adopted	Yes	Yes

You can create a new ICI or edit an existing ICI as described in the following sections:

- [Creating a New ICI](#) on page 13
- [Editing ICIs](#) on page 15

## Creating a New ICI

To create a new ICI, select **Create** from the ICI Management page. The Add ICI Information popup is displayed ([Exhibit 17](#)).

**Exhibit 17. Add ICI Information – ICI Attributes Tab**

On the ICI Attributes tab, complete the following fields:

- ICI Name
- ICI Description
- ICI Category (AAR Published Standards, ITC Configuration Items, PTC 220 Configuration Items, or Vendor Proprietary Configuration Items)
- ICI Type (Configuration Release, Recommended Practice, Safety Artifact, Software Release, Specification, or Standard)
- ICI Adoption Date
- ICI Comments
- ICI Retirement Date
- ICI Retirement Comments
- ICI Status (Proposed, Adopted, or Retired) – (when newly created, an ICI is in Proposed status)
- Deployment Status Tracking (Yes or No) – (if Yes, PTC ILM tracks which railroad is on which version of this ICI)



## Creating and Editing ICIs

- Limited Scope ICI (Yes or No)
- Limited Scope ICI Railroads (if the Limited Scope ICI field is Yes, then select the railroads that are in the scope of this ICI)
- Support Group for ICI (the group contact name for the ICI)

On the Compliance Scope tab, select any or all of the following checkboxes from the Select Compliance Scopes list: Select All, All Railroads, Railroads Deploying the ICI, Railroads with 220 MHz Base Stations, Railroads with Locomotives, Railroads with PTC Back Office Systems, and Railroads with WIUs). For each compliance category that you select, an entry is added to the grid below.

Select the edit icon (✎) in the Start Date column to indicate the date when the category becomes effective for the ICI. Select the edit icon (✎) in the End Date column to indicate the date when the category becomes no longer effective for the ICI ([Exhibit 18](#)).

### Exhibit 18. Add ICI Information – Compliance Scopes Tab

The screenshot shows a web interface for adding ICI information. It has two tabs: 'ICI Attributes' and 'Compliance Scopes'. The 'Compliance Scopes' tab is active. At the top, there is a dropdown menu labeled 'Select Compliance Scopes' with 'Railroads with Locomotives' selected. To the right of the dropdown is '1 of 1' and a 'Clear Filters' button. Below this is a table with three columns: 'Compliance Scope', 'Start Date', and 'End Date'. The table has one row with the following data: 'Railroads with Locomotives', '04/18/2020', and '05/31/2020'. At the bottom right of the dialog are 'Cancel' and 'Add' buttons.

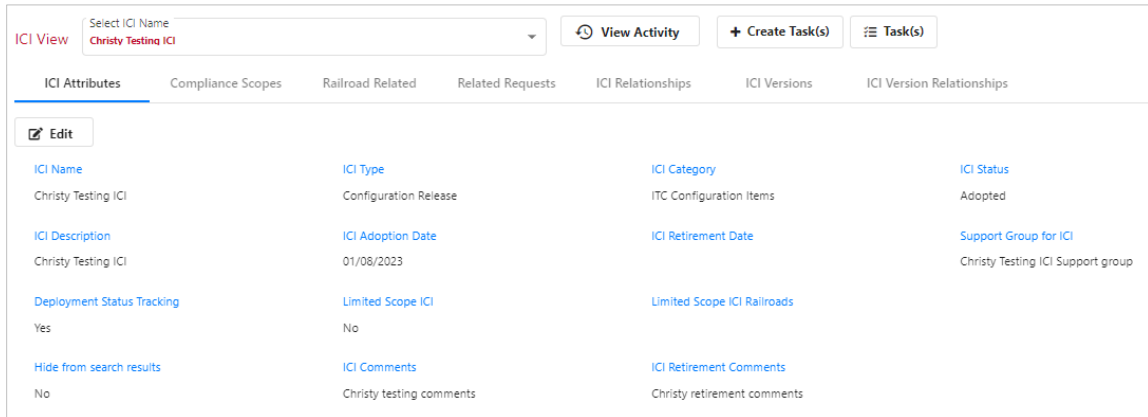
Compliance Scope	Start Date	End Date
Railroads with Locomotives	04/18/2020	05/31/2020

When you have finished entering information on the ICI Attributes and Compliance Scopes tabs, select **Add** to create the ICI. The ICI is created and added to the list on the ICI Management page.

## Editing ICIs

To edit (modify) an existing ICI, select a link for an existing ICI on the ICI Management page. The ICI View page is displayed ([Exhibit 19](#)).

**Exhibit 19. ICI View**



The ICI View page contains the following tabs:

- ICI Attributes – displays the attributes of the selected ICI.
- Compliance Scopes – displays the compliance scopes of the selected ICI (identifies the categories to which the ICI is applicable).
- Railroad Related – displays which railroads are on which versions of the selected ICI (which versions are being deployed, currently deployed, being decommissioned, and already decommissioned). You can select a version number to learn information about the ICR that was executed to deploy or decommission the version.
- Related Requests – displays the requests that have been opened on the selected ICI.
- ICI Relationships – displays ICI relationships for the selected ICI (e.g., dependencies, interfaces with, etc.).
- ICI Versions – displays the versions that are related to the selected ICI.
- ICI Version Relationships – displays the version relationships that pertain to the selected ICI.

Depending on your permissions, create, edit, and delete options may be available on each of these tabs.

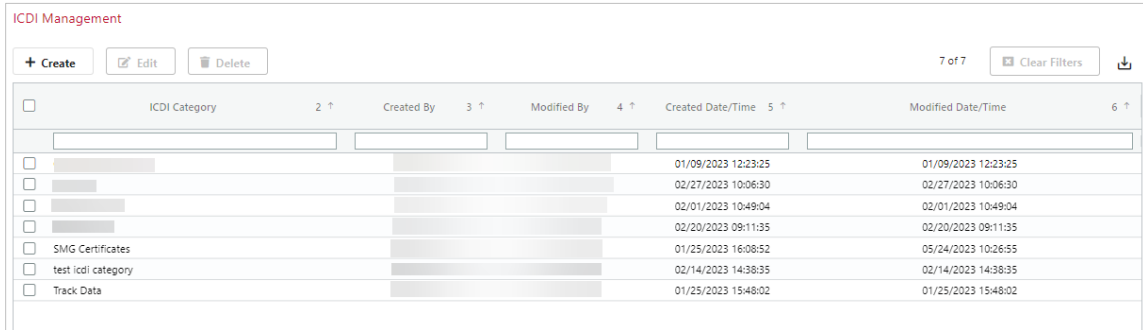
## Creating and Editing ICDIs

PTC ILM enables you to create new ICDI categories as well as edit and delete existing ICDIs.

**Note:** This feature is only available to Interoperable Configuration Managers.

Select **ICDI Management** from the menu to begin managing ICDI categories. PTC ILM displays the ICDI Management page, which contains a list of all the existing ICDI categories ([Exhibit 20](#)).

### Exhibit 20. ICDI Management



The screenshot shows the 'ICDI Management' interface. At the top, there are buttons for '+ Create', 'Edit', and 'Delete'. Below these is a table with 7 columns: 'ICDI Category', 'Created By', 'Modified By', 'Created Date/Time', 'Modified Date/Time', and a search filter. The table contains 7 rows of data. The first row is 'SMG Certificates', the second is 'test icdi category', and the last is 'Track Data'. The other four rows are redacted with grey bars.

<input type="checkbox"/>	ICDI Category	2 ↑	Created By	3 ↑	Modified By	4 ↑	Created Date/Time	5 ↑	Modified Date/Time	6 ↑
<input type="checkbox"/>	[Redacted]		[Redacted]		[Redacted]		01/09/2023 12:23:25		01/09/2023 12:23:25	
<input type="checkbox"/>	[Redacted]		[Redacted]		[Redacted]		02/27/2023 10:06:30		02/27/2023 10:06:30	
<input type="checkbox"/>	[Redacted]		[Redacted]		[Redacted]		02/01/2023 10:49:04		02/01/2023 10:49:04	
<input type="checkbox"/>	[Redacted]		[Redacted]		[Redacted]		02/20/2023 09:11:35		02/20/2023 09:11:35	
<input type="checkbox"/>	SMG Certificates		[Redacted]		[Redacted]		01/25/2023 16:08:52		05/24/2023 10:26:55	
<input type="checkbox"/>	test icdi category		[Redacted]		[Redacted]		02/14/2023 14:38:35		02/14/2023 14:38:35	
<input type="checkbox"/>	Track Data		[Redacted]		[Redacted]		01/25/2023 15:48:02		01/25/2023 15:48:02	

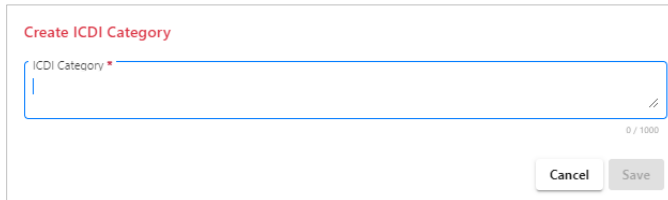
You can create, edit, or delete ICDI categories as described in the following sections:

- [Creating a New ICDI Category](#) on page 17
- [Editing ICDI Categories](#) on page 17
- [Deleting ICDI Categories](#) on page 17

## Creating a New ICDI Category

To create a new ICDI category, select **Create** from the ICDI Management page. The Create ICDI Category popup is displayed ([Exhibit 21](#)).

**Exhibit 21. Create ICDI Category Popup**



The screenshot shows a modal window titled "Create ICDI Category". Inside, there is a text input field with the label "ICDI Category \*". The field is currently empty and has a character count of "0 / 1000" at the bottom right. Below the input field, there are two buttons: "Cancel" and "Save".

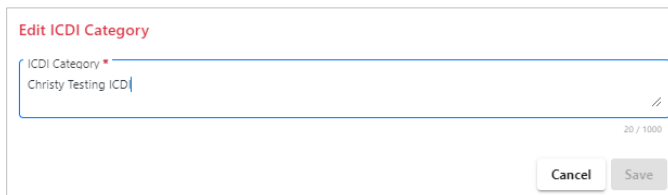
Create the ICDI category by entering a new name in the ICDI Category field and selecting **Save**.

---

## Editing ICDI Categories

To modify an existing ICDI category, select the checkbox for an ICDI category on the ICDI Management page and then select **Edit**. The Edit ICDI Category popup is displayed ([Exhibit 22](#)).

**Exhibit 22. Edit ICDI Category Popup**



The screenshot shows a modal window titled "Edit ICDI Category". Inside, there is a text input field with the label "ICDI Category \*". The field contains the text "Christy Testing ICDI" and has a character count of "20 / 1000" at the bottom right. Below the input field, there are two buttons: "Cancel" and "Save".

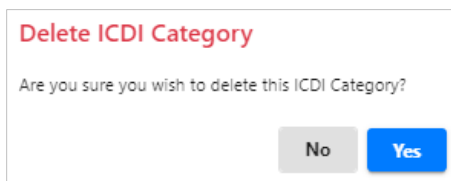
Edit the name of the ICDI category and select **Save**. The ICDI is updated and a confirmation popup is displayed.

---

## Deleting ICDI Categories

To delete an ICDI category, select the checkbox for an ICDI category on the ICDI Management page and then select **Delete**. The Delete ICDI Category popup is displayed ([Exhibit 23](#)).

**Exhibit 23. Delete ICDI Category Popup**



The screenshot shows a modal window titled "Delete ICDI Category". Inside, there is a question: "Are you sure you wish to delete this ICDI Category?". Below the question, there are two buttons: "No" and "Yes".

Once you select **Yes**, a confirmation popup is displayed indicating the successful deletion.

**Note:** If you select an ICDI category for deletion and confirm that you want to delete it, an error message is displayed if there are existing SIDRs associated with that ICDI category. In this case, the ICDI category cannot be deleted.

# Managing ICI Relationships

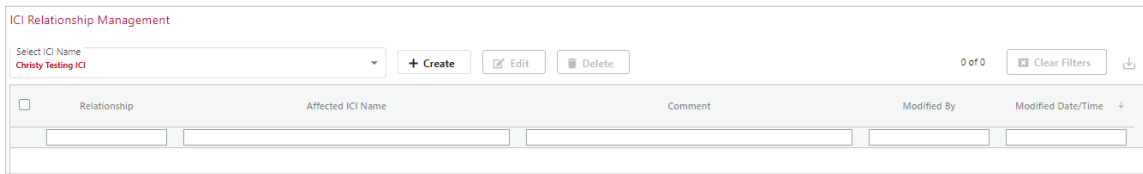
PTC ILM supports the following types of ICI relationships:

- Dependent (indicates the selected ICI is dependent on another ICI)
- Interchangeability (indicates the selected ICI is interchangeable with another ICI)
- Interface
- Specification

These relationships may be uni-directional or bi-directional. Each relationship has an inward description and an outward description (these descriptions are from the two different viewpoints of the two ICIs in the relationship).

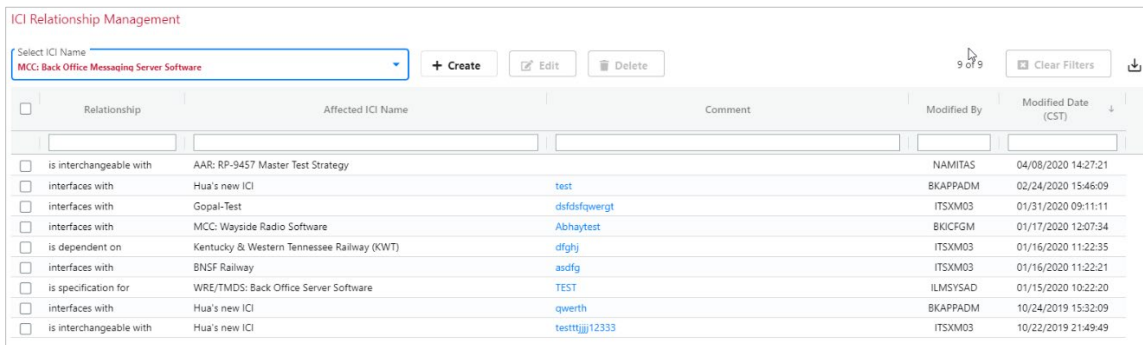
Select **ICI Relationship Management** from the menu to begin managing ICI relationships. PTC ILM displays the ICI Relationship Management page ([Exhibit 24](#)).

**Exhibit 24. ICI Relationship Management**



Select an ICI using the Select ICI Name drop-down to see the relationships that have been configured for that ICI ([Exhibit 25](#)).

**Exhibit 25. ICI Relationship Management with ICI Relationships**



Depending on your permissions, create, edit, and delete options may be available.

If you do have permissions to create ICI relationships, select the **Create** button. The Add ICI Relationship popup is displayed ([Exhibit 26](#)).

### **Exhibit 26. Add ICI Relationship Popup**

**Add ICI Relationship**

ICI Name: MCC: Back Office Messaging Server Software

Select Other ICI Name \*

Select Relationship Type \*

Relationship Comments

Cancel Add

Select the name of another ICI with which the currently selected ICI needs to have a relationship configured.

Next, select the relationship type (**Dependent**, **Interchangeability**, **Interface**, or **Specification**).

Optionally, enter a comment describing the relationship, and select **Add**.

The ICI relationship is created.

# Managing ICI Versions

Select **ICI Version Management** from the menu to begin managing ICI versions. PTC ILM displays the ICI Version Management page to see the versions that have been created for the selected ICI ([Exhibit 27](#)).

**Exhibit 27. ICI Version Management**

ICI Version	ICI Version Status	ICI Version Release Date	Estimated ICI Version Release Date	Earliest Permissible Deployment Date	Mandatory Decommission Date	Version Comment	Modified By	Modified Date/Time
3.5.1.0	Confirmed							05/05/2023 13:34:15
3.7	Pending Confirmation			01/18/2023	05/01/2023			03/17/2023 11:29:23
2.3.4	Confirmed			01/18/2023	05/01/2023	ICR 508		03/17/2023 11:29:23
3.6	Confirmed			10/01/2022	01/18/2023	ICR 1777		01/17/2023 11:34:29
3.5	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
3.4.0.1	Confirmed			04/01/2022	01/18/2023	ICR 493		01/17/2023 11:34:29
3.3	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
3.2	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
2.3.2	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
3.1	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
2.3.3	Confirmed			04/01/2022	01/18/2023	ICR 412		01/17/2023 11:34:29
1.4.8	Confirmed			04/01/2022	01/18/2023			01/17/2023 11:34:29
2.0	Confirmed			10/01/2022	01/18/2023			01/17/2023 11:34:29
3.5.0	Pending Confirmation			11/01/2021		ICR 685		08/24/2022 16:22:10
3.4	Confirmed			11/01/2021	04/01/2022	ICR 413		04/01/2022 08:44:28
2.3.1	Confirmed			11/01/2021	04/01/2022			04/01/2022 08:44:28
2.3	Confirmed			11/01/2021	04/01/2022			04/01/2022 08:44:28
3.2.1	Confirmed			11/01/2021	04/01/2022			04/01/2022 08:44:28
N/A	Confirmed				04/01/2022			02/04/2022 09:10:14
1.4.6	Confirmed							08/21/2020 11:30:56
1.4.8.1	Confirmed							08/21/2020 11:30:55
1.4.8.2	Confirmed							08/21/2020 11:30:55

You can select a different ICI by using the Select ICI Name drop-down box.

Depending on your permissions, create, edit, and delete options may be available.

If you do have permissions to create ICI versions, select the **Create** button. The Add Version Attributes popup is displayed ([Exhibit 28](#)).

**Exhibit 28. Add Version Attributes Popup**

**Add Version Attributes**

ICI Version \*

ICI Version Status \*   
 Confirmed

ICI Version Release Date

Estimated ICI Version Release Date

Earliest Permissible Deployment Date

Mandatory Decommission Date

ICI Version Comments

Cancel Save

Complete the following fields:

- ICI Version
- ICI Version Release Date
- ICI Version Status (Pending Confirmation, Confirmed, or Blocklisted)
  - Pending Confirmation - An identified version that has yet to be confirmed by the Interoperable Configuration Manager.
  - Confirmed - An identified version that has been confirmed by the Interoperable Configuration Manager.
  - Blocklisted - An identified version that is no longer allowed for interoperable use. The Interoperable Configuration Manager will change the status to “Blocklisted” when an ICI version is deemed invalid. This prevents the version from being listed in a permissible version in future PISR’s or PISR Plans.
- Estimated ICI Version Release Date
- Earliest Permissible Deployment Date
- Mandatory Decommission Date
- ICI Version Comments

Select **Save**.

The ICI version is created.



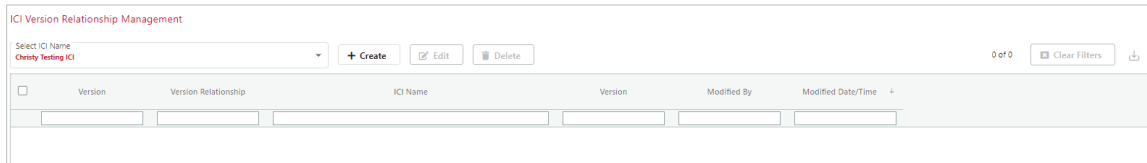
# Managing ICI Version Relationships

PTC ILM supports relationships between a specified version of a selected ICI and a specified version of another ICI. The following types of ICI version relationships are supported:

- Compatibility Relationship – a version of an ICI that is designed to be compatible with a specific related version of another ICI.
- Direct Dependent Relationship – a version of an ICI that is directly dependent on a specific related version of another ICI, typically a specification, standard, or recommended practice.

Select **ICI Version Relationship Management** from the menu to begin managing ICI version relationships. PTC ILM displays the ICI Version Relationship Management page, which shows the version relationships that have been configured for the selected ICI ([Exhibit 29](#)).

**Exhibit 29. ICI Version Relationship Management Page**

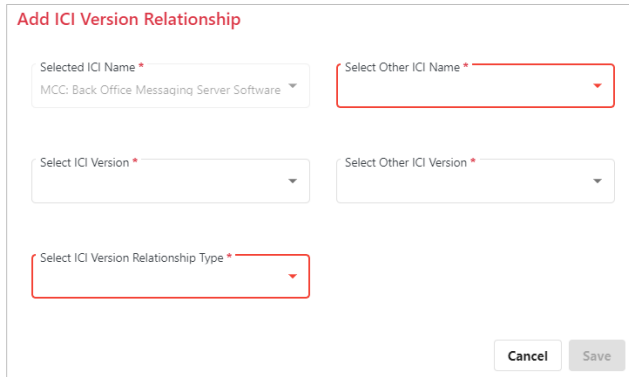


You can select a different ICI by using the Select ICI Name drop-down.

Depending on your permissions, create, edit, and delete options may be available.

If you do have permissions to create ICI version relationships, select the **Create** button. The Add ICI Version Relationship popup is displayed ([Exhibit 30](#)).

**Exhibit 30. Add ICI Version Relationship Popup**



The currently selected ICI is prepopulated in the Selected ICI Name field. Select the version of the selected ICI for which you want to configure a version relationship.

## Managing ICI Version Relationships

---

Select the name of another ICI with which the currently selected ICI should have a version relationship configured.

**Note:** If the ICI relationship does not already exist, PTC ILM prompts you to set up the ICI relationship ([Exhibit 31](#)).

### **Exhibit 31. Add ICI Version Relationship Popup with Prompt to Create ICI Relationship**

**Add ICI Version Relationship**

Select ICI Name \*  
MCC: Back Office Messaging Server Software

Select Other ICI Name \*  
AAR: S-9001 ITC System Reference Architect...

Select ICI Version \*  
26202001

Select Other ICI Version \*  
938315

Select ICI Version Relationship Type \*  
DIRECT DEPENDENT

System did not find an existing relationship between ICI : MCC: Back Office Messaging Server Software and ICI : AAR: S-9001 ITC System Reference Architecture. Please acknowledge and select relationship type for system to Record the ICI relationships.

Select ICI Relationship Type \*  
INTERFACE

Enter ICI Relationship Comments

Cancel Save

Select the version of the other ICI with which the currently selected ICI and version should have a version relationship configured.

Next, select the ICI version relationship type (Compatibility or Direct Dependent).

Select **Save**.

The ICI version relationship is created.

# Performing Railroad Audits

PTC ILM enables railroads to self-audit their ICI configurations as well as ILM permissions granted to users for their company.

## Railroad ICI Audit

Select **Railroad Audit** from the menu to begin your ICI self-audit. PTC ILM displays your railroad ICI audits in the Railroad ICI Audit tab by default ([Exhibit 32](#)).

**Exhibit 32. Railroad ICI Audit Tab**

Railroad ICI Audit		Railroad Users Audit							
<input type="checkbox"/> Confirm	<input type="checkbox"/> Exception	Audit Window: 03/01/2025 - 03/31/2025	Next Audit Window: 09/01/2025 - 09/30/2025						
349 of 349		<input type="button" value="Clear Filters"/> <input type="button" value="Download"/>							
<input type="checkbox"/>	Railroad Well-Known Name	MARK	ICI Name	In Scope for RR	Current Deployed Version(s)	Status	Comments	Modified By	Modified Date/Time
<input type="checkbox"/>	BNSF	BNSF	3.2 Related ICI	Yes	4.0	Not Applied		ANAYAR	11/21/2024 15:40...
<input type="checkbox"/>	BNSF	BNSF	3.2 Relationship Test	Yes	4.0	Not Applied		ANAYAR	12/03/2024 14:22...
<input type="checkbox"/>	BNSF	BNSF	AAR: S-4047 PTC - Locomotive Air Brake In...	Yes	1.0	Confirmed		SHUJAT	09/12/2024 10:59...
<input type="checkbox"/>	BNSF	BNSF	AAR: S-9001 ITC System Reference Archite...	Yes	1.0	Confirmed		SHUJAT	09/12/2024 10:59...
<input type="checkbox"/>	BNSF	BNSF	AAR: S-9010 Data Protection	Yes	1.0	Confirmed		SHUJAT	09/12/2024 10:59...
<input type="checkbox"/>	BNSF	BNSF	AAR: S-9053 ITC System Requirements - Le...	Yes	2.0	Confirmed		SHUJAT	09/12/2024 10:59...
<input type="checkbox"/>	BNSF	BNSF	AAR: S-9054 ITC System Requirements - Le...	Yes	2.0	Confirmed		SHUJAT	09/12/2024 10:59...

If you manage other companies within the ILM application, you will see your other managed roads within the grid on this page. Interoperable Configuration Managers can perform an ICI Audit on behalf of any participating railroad. Railroad Configuration Managers can only self-audit their own railroad – they cannot choose a railroad. Interoperable Configuration Managers can select a railroad and perform an audit on their behalf.

**Exhibit 33. Railroad Audit with Out of Date Audit Status**

<input checked="" type="checkbox"/> Confirm	<input type="checkbox"/> Exception	Audit Window: 03/01/2025 - 03/31/2025	Next Audit Window: 09/01/2025 - 09/30/2025				
<input type="checkbox"/>	Railroad Well-Known Name	MARK	ICI Name	In Scope for RR	Current Deployed Version(s)	Status	Comr
<input checked="" type="checkbox"/>	MINNESOTA NORTHSTAR ...	MNRX	PTC 220: MTA 34, Kansas City Slot Plan	No	N/A	Out Of Date	
<input type="checkbox"/>	MINNESOTA NORTHSTAR ...	MNRX	PTC 220: MTA 35, Buffalo-Rochester Slot Pl...	No	N/A	Confirmed	
<input type="checkbox"/>	MINNESOTA NORTHSTAR ...	MNRX	PTC 220: MTA 36, Salt Lake City Slot Plan	No	N/A	Confirmed	
<input type="checkbox"/>	MINNESOTA NORTHSTAR ...	MNRX	PTC 220: MTA 37, Jacksonville Slot Plan	No	N/A	Confirmed	

Self-audits are configured within the application by the Interoperable Configuration Managers. When the date of Audit Window displayed is reached, all ICIs will be set to **Out of Date**. If an ICI record indicates that the audit status is out of date, select the checkbox at the left of the record and then select either **Confirm** to indicate that you have verified that the ICI Information is correct or **Exception** to indicate that the ICI information is incorrect. (You can then create an IDR to update your ICI Audit with the correct version(s)).

## Railroad Users Audit

MxV Rail requires assigned contacts for Railroad Change Manager, Railroad Configuration Manager and Railroad Release Manager so that they know who to contact at the railroads. For each of these roles, you can assign a user level of primary, secondary and tertiary (third) contact.

Select **Railroad Audit** from the menu and select the **Railroad Users Audit** tab to begin your Users self-audit. PTC ILM displays the Railroad Users for your company ([Exhibit 34](#)).

**Exhibit 34. Railroad Users Audit Tab**

<input type="checkbox"/>	Name/Contact Information	Railroad Well-Known Name	MARK	User Level	Permissions	Status	Comments	Modified By	Modified Date/Time
<input checked="" type="checkbox"/>	BNSF TEST (BNRELMGR) PTCChangeMgmtTTCI@aar.com 1.2403388399	BNSF	BNSF	Not Applied	Railroad Release ...	Not Applied			
<input type="checkbox"/>	BNSF TEST (BNCHGMGR) PTCChangeMgmtTTCI@aar.com 1.3039950155	BNSF	BNSF	Not Applied	Railroad Change ...	Not Applied			
<input type="checkbox"/>	Christy Kaplan (BILLTST) christina.kaplan@railinc.com 1.9196515212	BNSF	BNSF	Not Applied	Railroad Change ...	Not Applied			
<input type="checkbox"/>	Config Manager BNSF (BNCFGMG...) PTCChangeMgmtTTCI@aar.com 1.7193137870	BNSF	BNSF	Not Applied	Railroad Configura...	Not Applied			
<input type="checkbox"/>	Dhivyaa Murali (ILMGNWR) dhivyaa.murali@railinc.com 1.5855454156	BNSF	BNSF	Not Applied	Railroad Change ... Railroad Configura...	Not Applied			
<input type="checkbox"/>	Dhivyaa Murali (DHIVYAAM) dhivyaa.murali@railinc.com	BNSF	BNSF	Not Applied	Railroad Change ... Railroad Configura...	Not Applied			

Self-audits are configured within the application by the Interoperable Configuration Managers. When the date of Audit Window displayed is reached, all Users will be set to **Out of Date**. If an User record indicates that the audit status is out of date, select the checkbox at the left of the record and then select either **Confirm** to indicate that you have verified that the user assignment is correct or **Exception** to indicate that the user assignment is incorrect.

To assign a user level, select the checkbox next to the contact, and select the **Assign User Level** button. Select the appropriate role(s) and level(s) and select **Save**.

**Exhibit 35. Assign User Level**

**Assign User Level**

Railroad Change Manager

- Primary
- Secondary
- Tertiary

Railroad Configuration Manager

- Primary
- Secondary
- Tertiary

Railroad Release Manager

- Primary
- Secondary
- Tertiary