

# Component Registry Webinar

**Registration and Association of Side  
Frames, Bolsters and Couplers**

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Railinc



ASSOCIATION OF  
AMERICAN RAILROADS



# Castings Registration and Association

This session will cover detailed information about Side Frame, Bolster and Coupler registration.

Thursday, September 13<sup>th</sup> , 2012

2 p.m. to 3:00 p.m. (ET)

Recommended for:

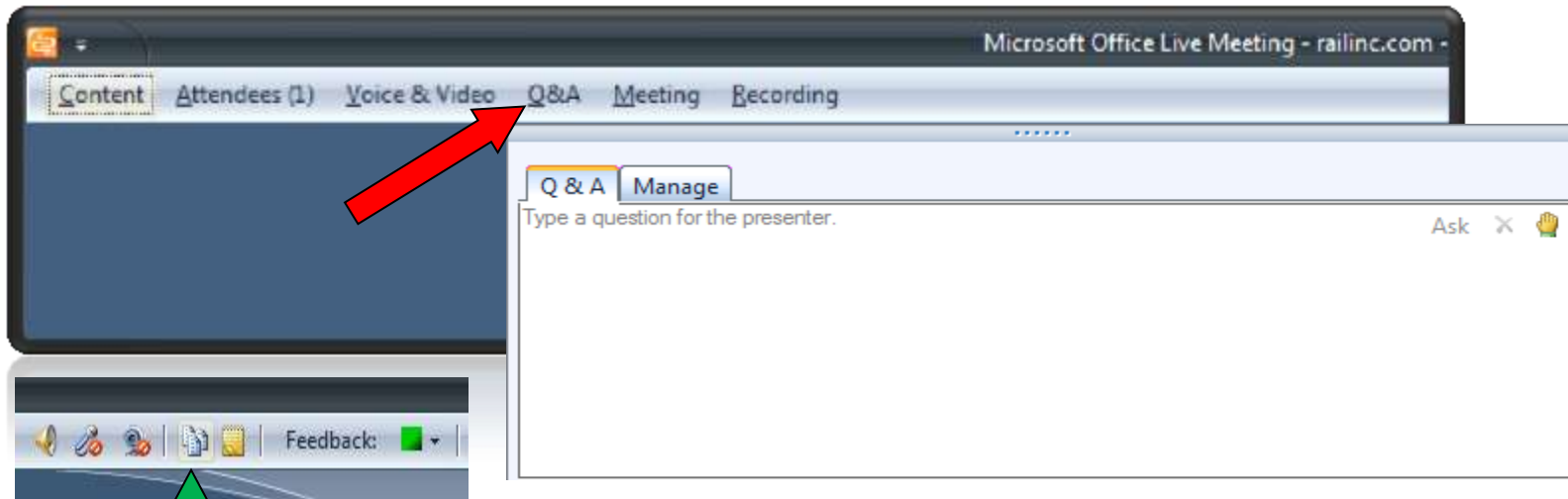
Foundries

Re-Conditioners

and Repair Shops looking to get a head start on the Castings association process.



# How to ask Questions



- All Webinar participant phone lines will be Muted during the call
- To ask a Question during the webinar select the Q&A button at the top of the Live Meeting window
- You may download the Presentation by selecting the Handout icon.
- The Presentation will also be posted on Railinc.com after the webinar



# Information Online – www.railinc.com/cepm

Railinc Corporation | CEPM Project - Microsoft Internet Explorer provided by Railinc

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Early Morning

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### CEPM Program Overview

The Comprehensive Equipment Performance Monitoring (CEPM) program is a multi-phase, multi-year initiative to create a rail industry process and related technology tools for capturing data around railcar equipment components. CEPM will help railroads, rail equipment owners, repair and wheel shops, and other industry participants have a complete view of rail equipment health and performance. This will enable managers to make decisions that improve rail safety, lower the cost associated with equipment maintenance, and run more efficient and effective rail operations.

The program's first phase—CEPM-Wheelsets—centralizes the registration of wheelset component details and identifies the application of wheelset components, including AAR and non-AAR repairs. The component-level data created through the CEPM program will be available through Railinc's Umler™

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#### FindUs.Rail

Quickly find critical contacts from across the rail industry.



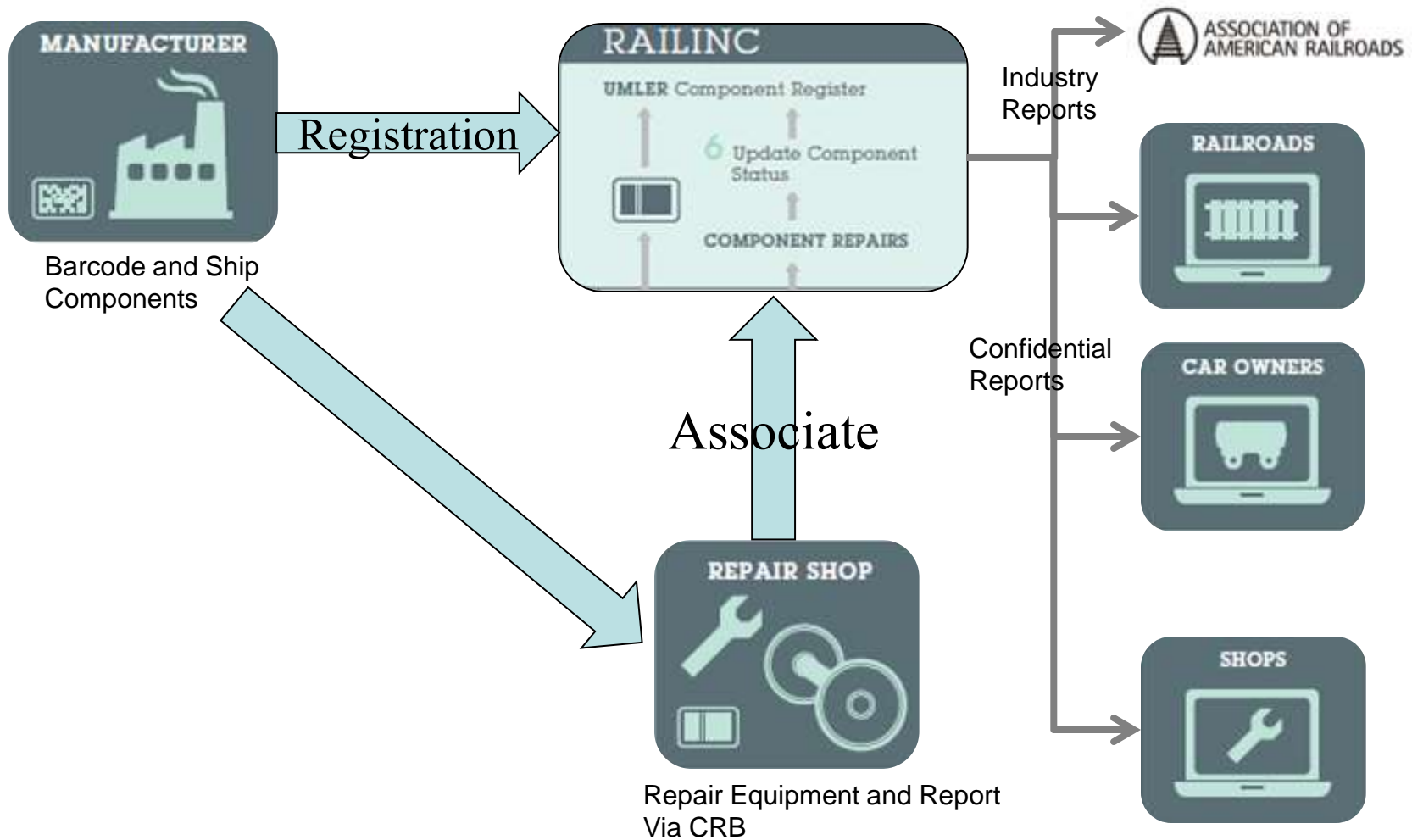
# CEPM Component Tracking Objectives



- Support Recall of Components identified with safety issues
- Support equipment owners with details of components on their equipment
- Capability to track performance of components related to component life, failure rates, and history of the component.



# Castings Registration/Association Process Flow





# Manufacturers – Keys to Success

Manufacturers of Side Frames, Bolsters and Couplers will be responsible for accurately reporting the necessary data to Register a casting in the Component Registry.

## Key Documents;

- AAR CEPM Bar Coding Specification (S-920)
  - What the Castings bar code should look like
- Side Frame, Bolster, Coupler Data Glossary
  - Data Elements that need to be reported
- Reference File
  - Permissible Values



# Castings will use 1 dimension Bar Code

Applied to Side Frame  
or Bolster or Coupler  
by Foundry



Applied to the Casting  
once registered in the  
Component Registry

Must remain attached to  
Casting from foundry  
until component is placed  
under car.

Readable by almost  
any bar code reader





# 1D Barcode can be pre-printed

Foundries and Re-Conditioners can preprint barcodes since the data is serialized.

This also enables centralized management of the codes for multiple location of shops.





# Data Glossary

1. Defines the details about the data being captured for Side Frames, Bolsters and Couplers.
2. Each component has a different and unique Data Glossary
3. Details contained in Data Glossary:
  1. Data Element Name
  2. Example of data
  3. Definition
  4. Mandatory or Optional
  5. Size of Data Element
4. Data Glossaries are available on Railinc.com website under the CEPM project.



# Prerequisites to Component Registration

1. Contact Railinc
  - Get a Company ID
  - Register for an SSO User ID
2. Read the User Guide and Specifications to understand the requirements for reporting
3. Request Access to Umler from your Umler Company Administrator (that may be you)
4. Request Component Maintenance Access from your Umler Company Administrator
5. Determine how AAR Component IDs will be managed by your company



# Castings Registration with Railinc

Companies have two ways to register castings

Railinc.com

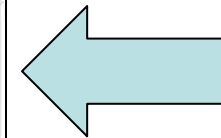
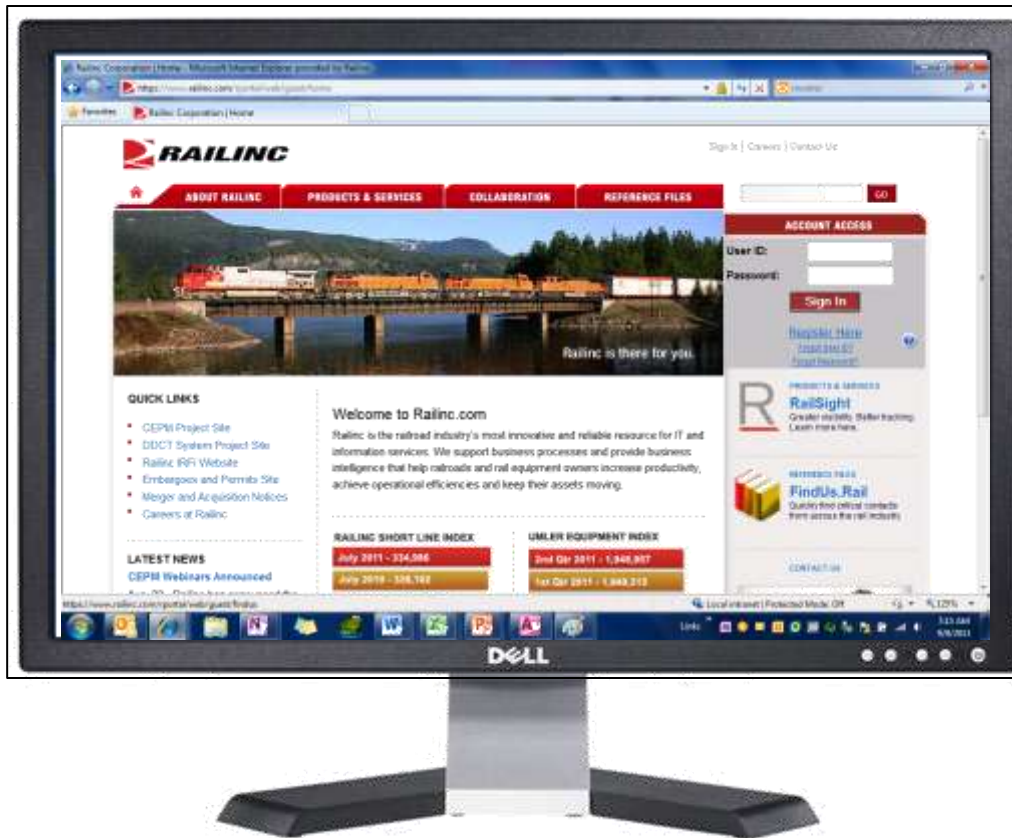
- Input one component at a time
- Upload CSV

XML via Web Services – Real time transactional integration

Web Service will allow foundries and re-conditioners to automate reporting of information through their own systems



# Comp Registration via the railinc.com website



Login with  
your SSO  
User ID



# Login to the Umler system

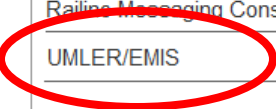


Launch Pad

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## Your Applications

- ATSI (Committee Site)
- Early Warning
- EHMS
- Embargoes (Committee Site)
- FindUs.Rail
- Railinc Messaging Console
- UMLER/EMIS**



## Your Notifications

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Date	Type	Subject
No Notifications		

## Your Support Cases

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There are no cases to show

Customer Support 1-877-RAILINC  
Support Hours: Monday - Friday, 0700 - 1900 Eastern Time

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## Your Subscriptions

Application	Type	
UMLER (Committee Site)	Outage	<a href="#">[unsubscribe]</a>
UMLER/EMIS (Committee Site)	Outage	<a href="#">[unsubscribe]</a>
Single Sign On System	Outage	<a href="#">[unsubscribe]</a>
UMLER O & M	Outage	<a href="#">[unsubscribe]</a>
Circular OT-5	Release	<a href="#">[unsubscribe]</a>
EHMS	Release	<a href="#">[unsubscribe]</a>



# Select Registration from the Component Registry Menu

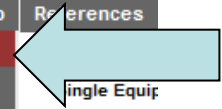


Umler

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- Component Registry
- Help
- References

- Registration
- Associate Component
- Advanced Query
- Administration >



## Welcome to Umler - Umler Equipment Management Information System

The Umler Equipment Management Information System is a mission-critical Rail Industry database and suite of applications that store and communicate data pertaining to the massive inventory of railway equipment used by the industry. The physical characteristics and restrictions of equipment, status and management information that are contained in Umler © are critical to the industry.

The communication of rail equipment data provides for the safe movement of traffic, smooth interchange of traffic between carriers and means to provide rail customers with the right pieces of equipment for their shipment.

### News and Updates

#### June 28, 2012 Umler Release 4.2

Umler Release Highlights \*The elements B030 Builder Lot Code and B031 Built Country will be conditionally mandatory for all equipment built or rebuilt on or after June 28, 2012. \*Users will be allowed to change the Built Date of a particular piece of equipment up to 18 months after the initial add date to the Umler file without the equipment receiving a new Equipment Identification Number (EIN). Any change to the Built Date after the 18 month window will result in the equipment receiving a new EIN. \*When a user inputs an invalid element in a TRAINII, CSV or Web Services message Umler will now: \*\*Ignore the invalid element for a particular transaction type and alert the user via tickler that the element was not processed \*\*Continue processing remaining valid elements of the message for the transaction type

**New Component Registry Features**

\*Manufacturers and M-214 Reconditioners can begin registering Side Frames and Bolsters.

\*Begin creating Wheelset Registrations from CRB repairs going back to 2006. If you own cars and would like your 2006 2012 Wheelset repairs to be included in the Component Registry, please contact Customer Support for details about this process.

Release: EMIS; Build-Label: jenkins-emis7-release-11, Build-DateTime: 2012-06-26\_17-01-27,

Use spanish for error messages and properties



# Component Registration via Web Interface



Search Add New Upload CSV

## Add New Component to Registry

AAR Component ID:

Company Code: RAIL

Component ID Number:

Component Type: SIDEFRAME

Side Frame  
Bolster  
Couplers  
Wheelsets

Add

- Enter Component ID. System will check that Component ID is not in use.
- Component Type determines what data elements appear on next screen.





# Component Registration via Web Interface

Base Elements

\* Side Frame Condition Code (C514):  = Reconditioned

\* Side Frame AAR Foundry Facility Code (C501):

**Mandatory** → \* Side Frame Cast Trademark (C512):

\* Side Frame Cast Month (C502):

\* Side Frame Cast Year (C518):

\* AAR Design Feature Code (C503):

\* Side Frame AAR ID Code (C504):

\* MFG Pattern Number (C505):

\* MFG Drawing Number (C506):

\* MFG Drawing Number Revision (C507):

\* MFG Serial Number (C508):

MFG Heat Number (C509):

MFG Heat Treat Load Number (C510):

**Conditionally Mandatory** → \* Side Frame Reconditioner AAR Facility Code (C511):

\* Side Frame Classification / Recondition Date (C513):  (mm/dd/yyyy)

Column Wear Plate Installed (C515):

\* Nominal Wheel Base (C516):

\* Button Count (C517):

Save Cancel

Conditionally Mandatory elements are driven by business rules.



## Option #2 – Upload via CSV

The screenshot displays the RAILINC Umler web application interface. At the top, the RAILINC logo is on the left, and the user name 'Umler' is on the right. The main navigation bar includes links for Home, Query, Maintenance, Upload / Download, Railinc Admin Functions, Account Administration, Contact List, Component Registry, Help, and References. Below this, a sub-navigation bar has tabs for Search, Add New, and Upload CSV. The main content area is titled 'Browse files to find a components CSV'. It features a text input field for 'Filename.csv:', a 'Browse...' button, and a link for 'Download csv format templates'. A 'Submit' button is located at the bottom right of the form area. The browser's status bar at the bottom shows 'Done', 'Local intranet | Protected Mode: Off', and a zoom level of '100%'.

More Efficient way to register components. Refer to the CSV Upload Guide as well as templates that are available.



# CSV upload template

	A	B	C	D	E	F	G	H	I	J
1	TransactionType	ComponentID	ComponentType	BOLSTER-C414	BOLSTER-C401	BOLSTER-C412	BOLSTER-C402	BOLSTER-C417	BOLSTER-C403	BOLSTER
2	AC	8RRA0000060644	BOLSTER	1 CSCO	GW	5	12	B12345678	B1234	
3										

- More Efficient way to register components. Refer to the CSV Upload Guide as well as templates that are available.
- Takes some time to initially setup the CSV template.
- However, it saves time in that you can registers many components at once



# Web Services Integration

Web Services is a method used by 2 computer systems to communicate with each other.

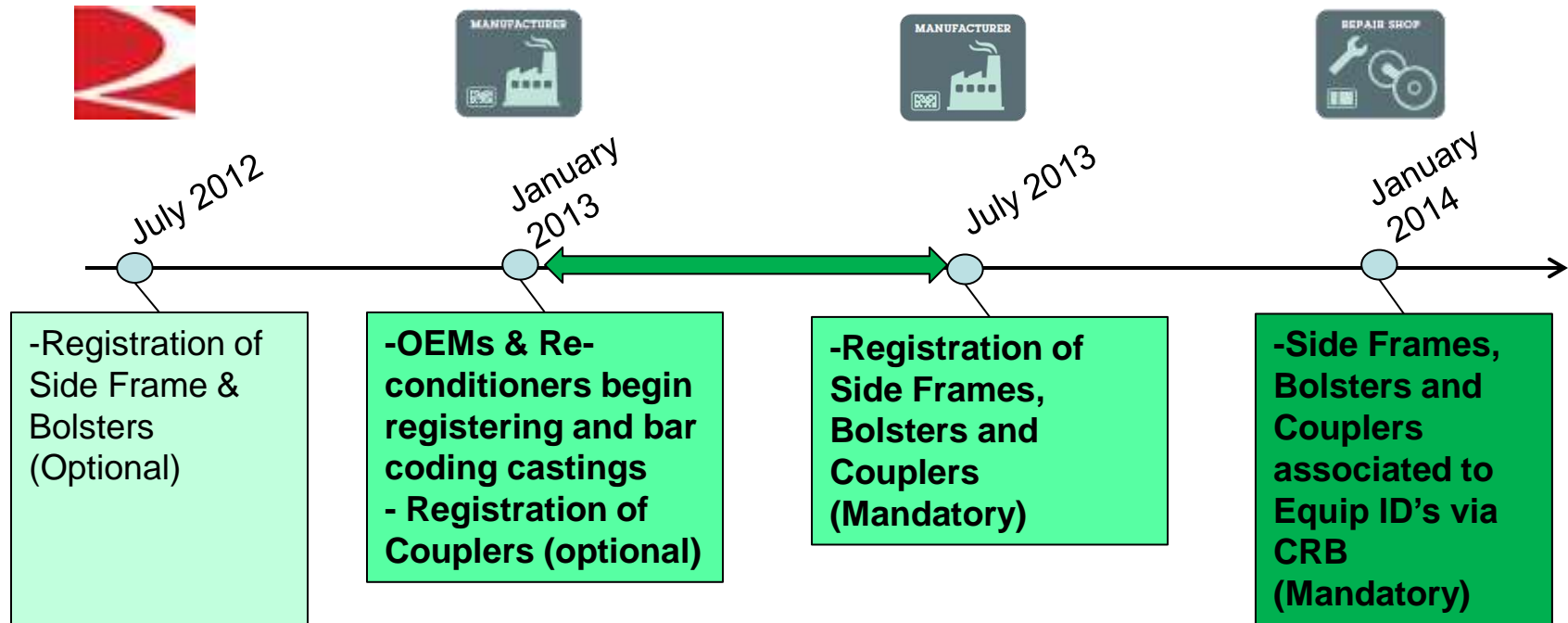
For example, once a Casting is complete the data about the casting is entered into your shop system. Your shop system will register the casting “behind the scenes” in the Component Registry.

If your company is interested in the technical integration of your systems that store Side Frame, Bolster and Coupler information with Railinc’s Umler Component Registry, please contact us [csc@railinc.com](mailto:csc@railinc.com)

Railinc can provide WSDLs and technical documentation to get you started.



# CEPM Castings Industry Timeline



Lesson Learned from Wheelsets: There is a 6 month window from January 2013 – July 2013 for Foundries and Re-Conditioners to:

- Work the bugs and kinks out of the Registration process.
- Report Issues to Railinc



## Need More Information

Call or email Railinc Customer Support:

1-877-724-5462

[csc@railinc.com](mailto:csc@railinc.com) – *Registration / Association and Web Services setup*

[www.railinc.com/cepm](http://www.railinc.com/cepm) - *project website*