

Component Registry Webinar

Field Registration

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Field Registration of Wheelsets

This session will cover detailed information about using the field registration process to obtain a Component ID for wheelsets not registered by a wheel shop.

Thursday, July 26th, 2012

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

Recommended for:

- Repair Shops,
- Running Repair Agents and
- Contract Shops

Information Online – www.railinc.com/cepm

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

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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 Umlar™

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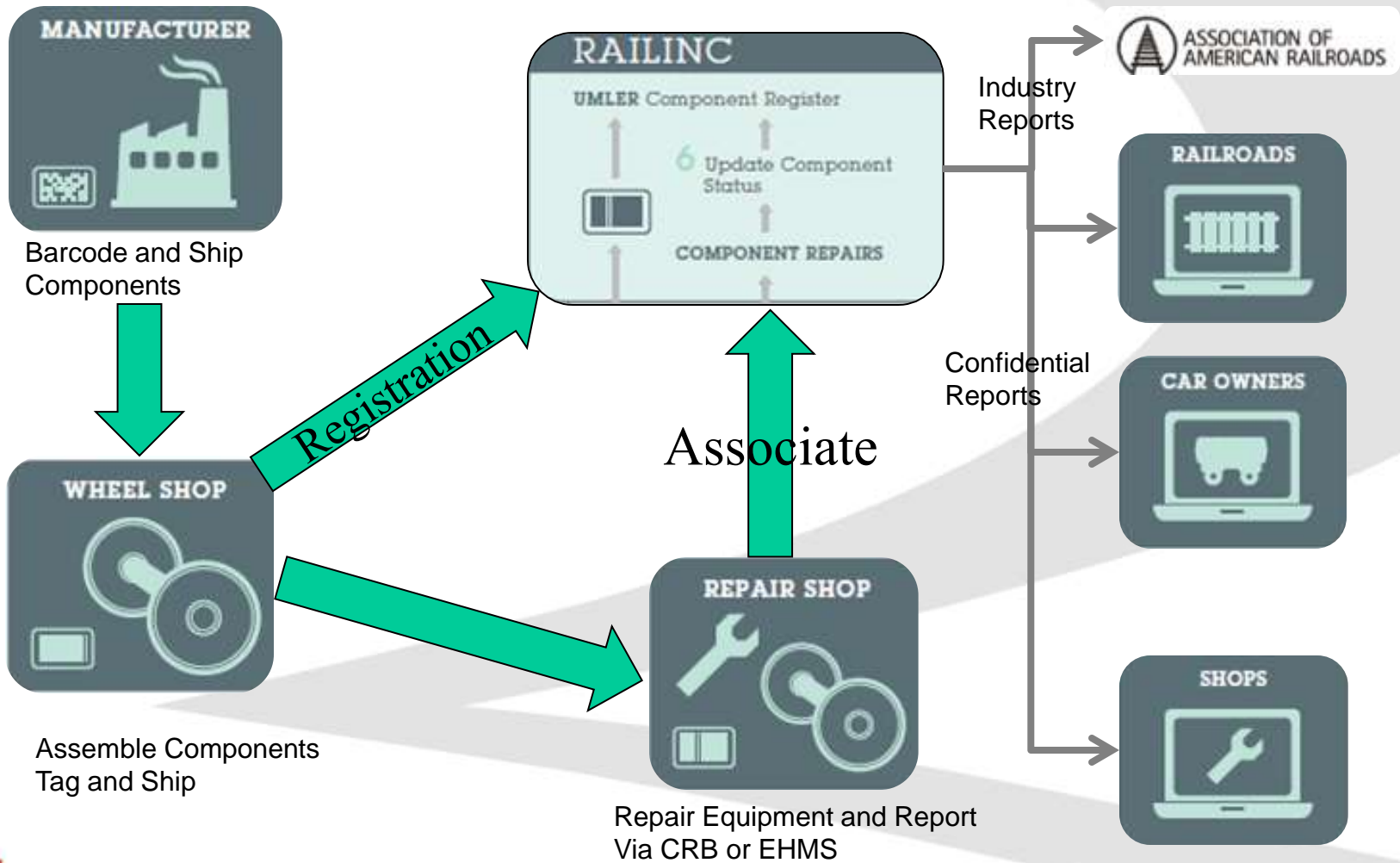


Component Tracking Overview



- 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.

CEPM-Wheelsets Process Flow



Current Status

- OEM and Re-conditioners are currently labeling components with bar codes, for the wheel shops to use in registration:
 - New Wheels
 - New and Converted Axles
 - New and Reconditioned Bearings
- Wheelshops are registering wheelsets in the Umler Component Registry

Backfill - Registrations

- Railinc has begun registering wheelsets using CRB data from 2006 up to July 2012
- Railinc has developed a process that converts wheelset repairs reported via CRB into wheelset Registrations
- By using Job Codes, Condition Codes and Qualifiers we can derive many of the Wheelset Registration data elements

Field Registration

Beginning in January 2013, it will be mandatory to report a Component ID when a wheelset is placed under a car.

This can be done via:

- CRB
- EHMS
- Component Registry Web UI

What if your wheelset does not have a
Component ID??

What should you do?

Field Registration

The answer is you must register the wheelset in the Component Registry and obtain a Component ID

Field Registration

- Some wheelset data elements are only available to the wheelshop.
- Field Registration requires fewer mandatory data elements.
- In addition we are capturing Job Code, Condition Code, and Qualifier in order to derive additional data elements.

Job Code, Condition Code, Qualifiers

Wheel

- Job Code 3071 =
 - 36 inch wheel
 - Heat Treated
 - Curved Plate
 - 1 wear wheel
- Qualifier 02 =
 - CH-36 wheel design

Job Code, Condition Code, Qualifiers

Axle

- Job Code 3276 =
 - Raised Wheel Seat
 - 6.5 inch Nominal Diameter Journal
 - 12 inch Nominal Length Journal
- Condition Code 01 =
 - New Axle

Job Code, Condition Code, Qualifiers

Bearing

- Job Code 2864 =
 - 6.5 inch Nominal Diameter
 - 12 inch Nominal Length
- Condition Code 03 =
 - Reconditioned Bearing
- Qualifier 03 =
 - Manufacturer = Brenco
 - Certificate = 5
 - Universal Fitted Backing Ring

Field Registration

Component Registry Registration screen

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Search | Add New | Upload CSV | Field Registration

Search Component Registry

Enter a single tag ID or as a range, e.g., XXXX1-499

AAR Component ID: Search


- New tab added for Field Registrations
- The Add New and Upload CSV tabs are for Wheelshops to register new wheelsets

Field Registration

The screenshot shows the RAILINC web application interface. At the top left is the RAILINC logo and the name 'Umler'. To the right, there are links for 'JMWALL : RAIL - RAILINC CORPORATION', 'Launch Pad', 'Contact Us', and 'Sign Out'. Below this is a navigation menu with items: 'Home', 'Query', 'Maintenance', 'Upload / Download', 'Railinc Admin Functions', 'Account Administration', 'Contact List', 'Component Registry', 'Help', and 'References'. The main content area has a sub-menu with 'Search', 'Add New', 'Upload CSV', and 'Field Registration' (which is selected). Below the sub-menu is a form titled 'Search if Wheelset is Registered'. The form contains two input fields: 'Wheel Serial Number:' and 'Wheel Stamped Manufacturer Code:'. At the bottom right of the form are two buttons: 'Search' and 'Register'.

- Step 1: Enter Wheel Serial Number and the Manufacturer Code that is stamped or cast into one of the wheels
- Railinc will search the Component Registry to determine if this wheelset has been previously registered
- If Railinc finds a registration, the application will display the Component ID assigned to this **wheelset**
- There is no need to register this wheelset. Use the Component ID provided to associate this wheelset to the car being repaired.

Field Registration

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Search | Add New | Upload CSV | **Field Registration**

Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code :

* Applied Job Code :

* Condition Code :

2. Axle

* Applied Job Code :

* Condition Code :

3. Wheel Group 1


If there is no wheelset with the Manufacturer Code and Serial Number in the Registry, the application will ask you to begin the field registration process

Field Registration

Search Add New Upload CSV **Field Registration**

Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code : 

* Applied Job Code :

* Condition Code :

2. Axle

* Applied Job Code :

* Condition Code :

3. Wheel Group 1

Search Icon

- AAR Facility Code is the QA Code for the wheelshop that pressed the wheelset.
- Repair shops should select the Search icon and look up the wheelshop Code on the Locking Plate
- This will automatically populate the correct QA Code.

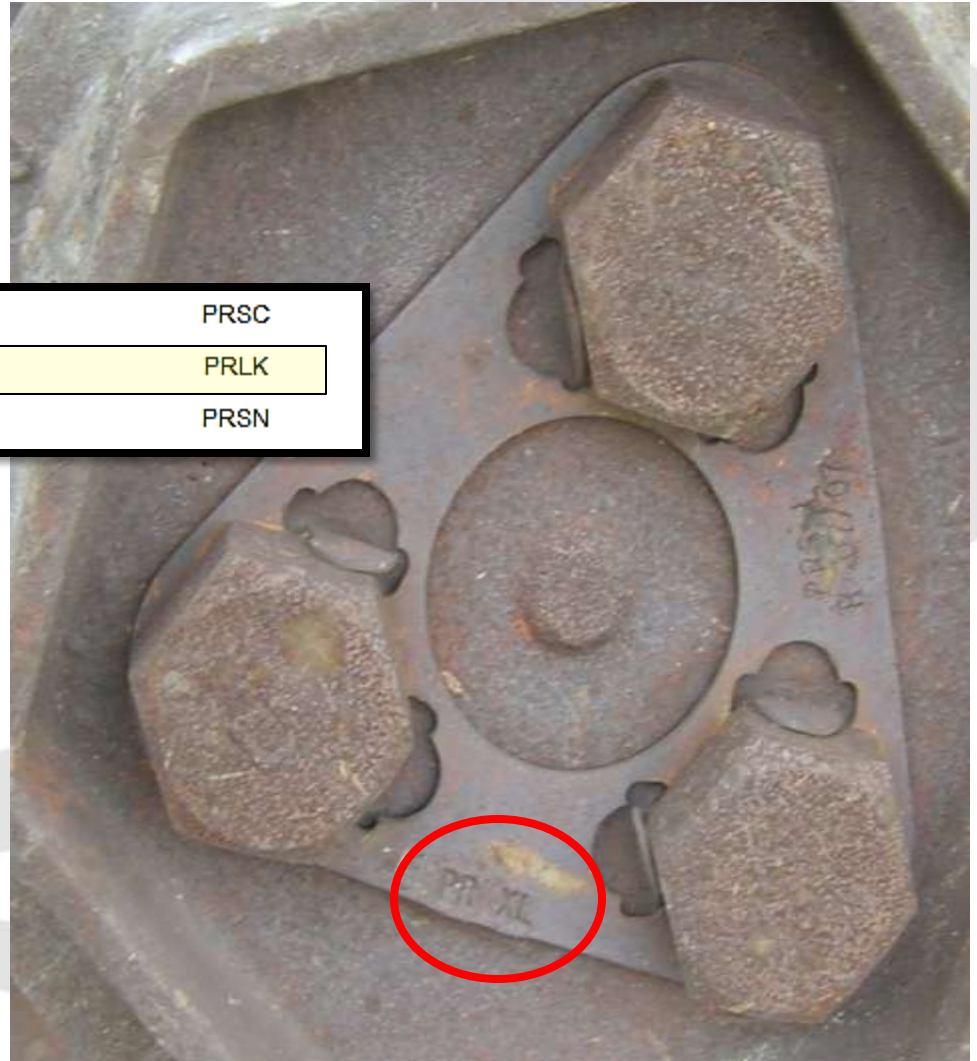
MID Search

Select	MID Code	QA Code
<input type="radio"/>	AAXS	AMS
<input type="radio"/>	ACGH	ACWV
<input type="radio"/>	AL	AL
<input type="radio"/>	AMAR	ARNY
<input type="radio"/>	AMEG	ABG
<input type="radio"/>	AMBOS	AMA
<input type="radio"/>	AMC	ACI
<input type="radio"/>	AMH	AMFL
<input type="radio"/>	AML	ALA
<input type="radio"/>	AMLJ	ANY
<input type="radio"/>	AMDAK	AMOC

Select Close

Field Registration


PRXL = Wheelshop Code stamped on Locking Plate



<input type="radio"/>	PRXJ	PRSC
<input checked="" type="radio"/>	PRXL	PRLK
<input type="radio"/>	PRXS	PRSN

Selecting PRXL will populate the AAR Facility Code with PRLK, which is the Wheelshop QA Code.

Field Registration

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Search | Add New | Upload CSV | **Field Registration**

Please fill in the following information to complete a field registration.

1. Wheelset

* AAR Facility Code :

* Applied Job Code :

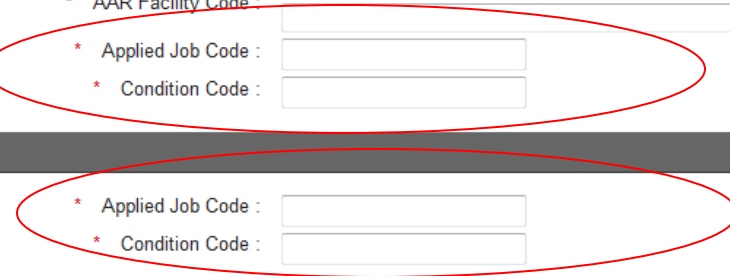

* Condition Code :

2. Axle

* Applied Job Code :

* Condition Code :

3. Wheel Group 1



- Next, enter the Applied Job Code and Condition Code for the Wheelset (Field Manual Rule 44)
- Then, enter the Applied Job Code and Condition Code for the Axle (Field Manual Rule 43)

Field Registration

3.1 Wheel 1

- Applied Job Code :
- Applied Qualifier :
- Condition Code : 07
- Stamped Year :
- Stamped Month :
- Stamped Manufacturer Code : GK - Griffin, Keokuk
- Stamped Class :
- Rim Thickness Side Scale Reading :
- Finger Gauge Reading :
- Stamped Serial Number : 1234

3.2 Roller Bearing 1

- Applied Job Code :
- Applied Qualifier :
- Condition Code :

- Wheel information is derived from the Job Code / Qualifier and data stamped on the wheel (Field Manual Rule 41)
- Manufacturer Code and Serial Number are carried forward from the search screen.
- Bearing Information is derived from the Job Code, Condition Code and Qualifier (Field Manual Rule 36)

Field Registration

4. Wheel Group 2

4.1 Wheel 2

Wheel 2 same as Wheel 1

* Applied Job Code :

* Applied Qualifier :

* Condition Code :

* Stamped Year :

* Stamped Month :

* Stamped Manufacturer Code :

* Stamped Class :

* Rim Thickness Side Scale Reading :

* Finger Gauge Reading :

* Stamped Serial Number :

4.2 Roller Bearing 2

Bearing 2 same as Bearing 1

* Applied Job Code :

* Applied Qualifier :

* Condition Code :

- Many times the Wheel and Bearing information is the same for both sides of the Wheelset
- For Example, both Wheels may be Griffin and both Bearings may be Timken
- Selecting the Check Box will copy data from Wheel 1 and Bearing 1 to Wheel 2 and Bearing 2
- However, any data that is not exactly the same should be changed (i.e. Wheel Serial Number)

Field Registration

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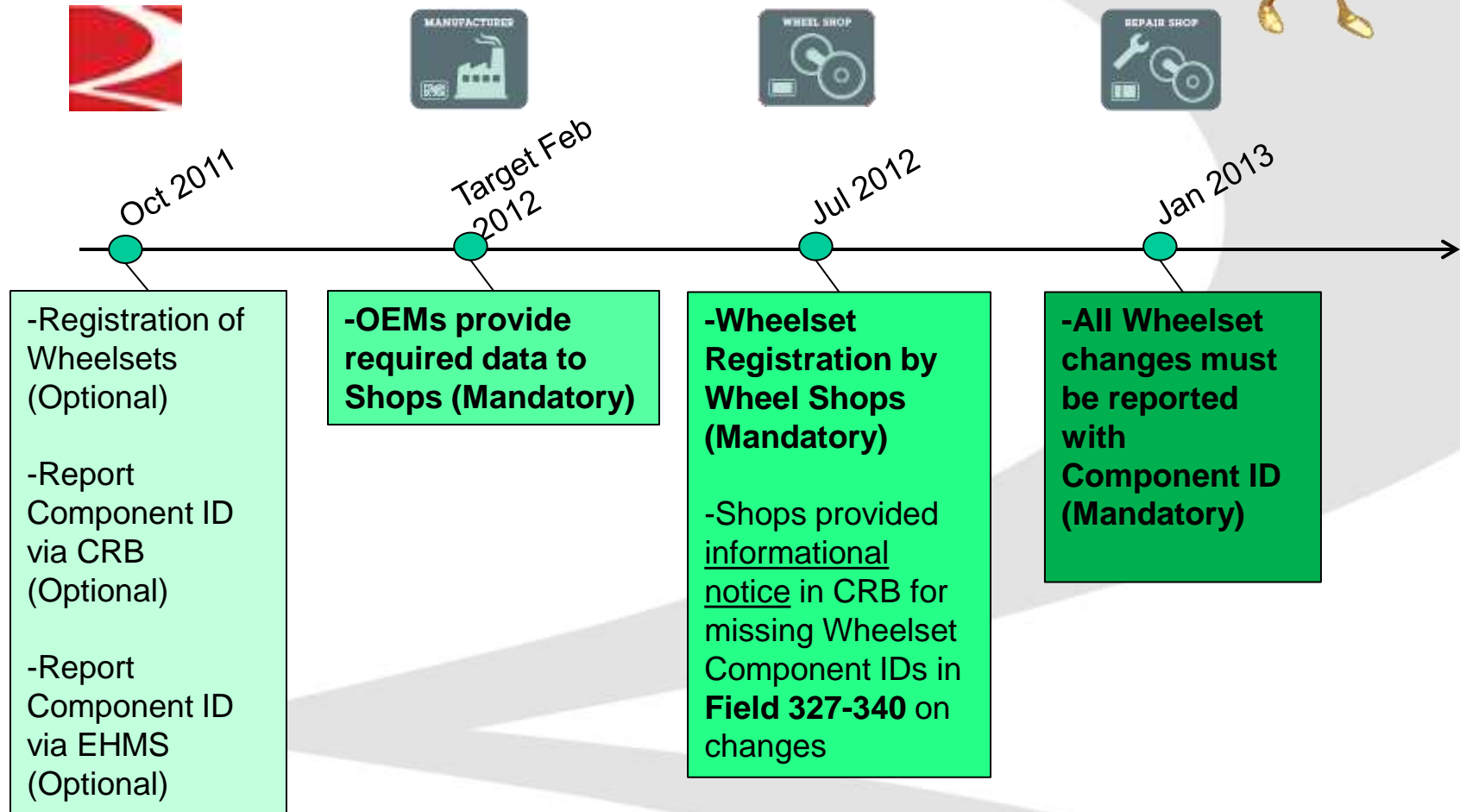
- When Field Registration is successful, the system will provide you with a Component ID
- The Component ID can be used to associate the wheelset to the Equipment ID

Field Registration

The screenshot shows the RAILINC web application interface. At the top left is the RAILINC logo and the user name 'Umler'. The top right contains navigation links: 'JMWALL : RAIL - RAILINC CORPORATION', 'Launch Pad', 'Contact Us', and 'Sign Out'. Below this is a horizontal menu with items: 'Home', 'Query', 'Maintenance', 'Upload / Download', 'Railinc Admin Functions', 'Account Administration', 'Contact List', 'Component Registry', 'Help', and 'References'. The main content area has a sub-menu with 'Search', 'Add New', 'Upload CSV', and 'Field Registration'. The 'Field Registration' section is titled 'Search if Wheelset is Registered' and contains two input fields: 'Wheel Serial Number:' and 'Wheel Stamped Manufacturer Code:'. At the bottom right of this section are 'Search' and 'Register' buttons.

- In the event the Component ID that was provided to you was lost, it can be recovered by using the Search by Wheel Serial Number and Manufacturer Code.

CEPM Industry Timeline



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