

2020 Private Car Owner Round Table

November 17, 2020

2020 PCO Round Table Agenda



PCO Round Table Agenda

- 9:00 a.m. – Welcome & Introduction
- 9:10 a.m. to 12:00 – Railinc Presentations
- Railinc Presenters:
 - Kristi Talley
 - Rick Gambrell
 - Kyle Tubman
 - Clay Miller
 - Danielle Crowley
 - Alan McDonald
 - Gregg Phillips
 - Robin McFalls
 - Paul Ransdell
- 10:25 a.m. to 10:35 a.m. – 10 Minute Break

Railinc Presentation Content

Asset Products & Services

- [Damaged and Defective Car Tracking \(DDCT\)](#)
- [Early Warning/Equipment Advisory](#)
- [Component Registry](#)
- [Embargo Value Expansion Project](#)
- [Tank Car Services](#)
- [Umler](#)

---Break---

Enterprise Services Updates

- [FindUs.Rail \(FUR\)](#)
- [Letter of Authorization \(LOA\)](#)

Customer Service Committee Studies

- [Event Reporting, Waybill Editing and Customer Location](#)

Railinc Commercial Products

- [CarLogix](#)
- [Reporting and Analytics](#)
- [Railinc Training Institute](#)

Damaged and Defective Car Tracking (DDCT)

Rick Gambrill



Agenda

- New Functionality in 2020
- Overview of Car Owner Functions
- Documentation Resources



New Functionality in 2020



- Searches will now default the start date to 1/1/2011, to include all dates
- Searches are now defaulted to include both “Open” and “Closed” statuses
- Added new Equipment Status toggles to easily select all “In Progress States” or all “End States”
- Added a new Defect Code of “S - End of Service” in support of the Rule 89 changes that went into effect July 1


Change Default Search Date




- Change the default search date to January 1, 2011

Current

Incident ID/Defect Card ID:

From Date: 

To Date: 

Proposed

Incident ID/Defect Card ID:

From Date: 

To Date: 

Default Open and Closed on Search Page



- Change default status to both open and closed

Previous

Status: ☒ Open
☐ Closed

Current

Status: ☒ Open
☒ Closed

Equipment Status Toggles



Previous

Equipment Status:

Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#)

- | | |
|--|--|
| <input type="checkbox"/> New | <input type="checkbox"/> Settlement Offered |
| <input type="checkbox"/> Actual DV/Disposition Requested | <input type="checkbox"/> Handling Carrier Repair |
| <input type="checkbox"/> Actual DV/Disposition Provided | <input type="checkbox"/> Settlement Accepted* |
| <input type="checkbox"/> Disposition Requested | <input type="checkbox"/> Settlement Rejected |
| <input type="checkbox"/> Disposition Provided | <input type="checkbox"/> Car On Hand |
| <input type="checkbox"/> Salvage Value Provided | <input type="checkbox"/> Dismantled* |
| <input type="checkbox"/> Car Repairs Completed* | <input type="checkbox"/> Removed* |
| <input type="checkbox"/> Intermediate Shop Complete | |

Equipment Status:

Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#)

- | | |
|---|---|
| <input checked="" type="checkbox"/> New | <input checked="" type="checkbox"/> Settlement Offered |
| <input checked="" type="checkbox"/> Actual DV/Disposition Requested | <input checked="" type="checkbox"/> Handling Carrier Repair |
| <input checked="" type="checkbox"/> Actual DV/Disposition Provided | <input checked="" type="checkbox"/> Settlement Accepted* |
| <input checked="" type="checkbox"/> Disposition Requested | <input checked="" type="checkbox"/> Settlement Rejected |
| <input checked="" type="checkbox"/> Disposition Provided | <input checked="" type="checkbox"/> Car On Hand |
| <input checked="" type="checkbox"/> Salvage Value Provided | <input checked="" type="checkbox"/> Dismantled* |
| <input checked="" type="checkbox"/> Car Repairs Completed* | <input checked="" type="checkbox"/> Removed* |
| <input checked="" type="checkbox"/> Intermediate Shop Complete | |

Toggle All On/Off



Equipment Status:	Note: Statuses marked with an asterisk (*) are in DDCT end state.		
	Toggle all	Toggle In Progress States	Toggle End States
<input checked="" type="checkbox"/> New	<input checked="" type="checkbox"/> Settlement Offered	<input checked="" type="checkbox"/> Settlement Accepted*	
<input checked="" type="checkbox"/> Actual DV/Disposition Requested	<input checked="" type="checkbox"/> Settlement Rejected	<input checked="" type="checkbox"/> Car Repairs Completed*	
<input checked="" type="checkbox"/> Actual DV/Disposition Provided	<input checked="" type="checkbox"/> Handling Carrier Repair	<input checked="" type="checkbox"/> Dismantled*	
<input checked="" type="checkbox"/> Disposition Requested	<input checked="" type="checkbox"/> Car On Hand	<input checked="" type="checkbox"/> Removed*	
<input checked="" type="checkbox"/> Disposition Provided	<input checked="" type="checkbox"/> Intermediate Shop Complete		
<input checked="" type="checkbox"/> Salvage Value Provided			

Equipment Status:	Note: Statuses marked with an asterisk (*) are in DDCT end state.		
	Toggle all	Toggle In Progress States	Toggle End States
<input type="checkbox"/> New	<input type="checkbox"/> Settlement Offered	<input type="checkbox"/> Settlement Accepted*	
<input type="checkbox"/> Actual DV/Disposition Requested	<input type="checkbox"/> Settlement Rejected	<input type="checkbox"/> Car Repairs Completed*	
<input type="checkbox"/> Actual DV/Disposition Provided	<input type="checkbox"/> Handling Carrier Repair	<input type="checkbox"/> Dismantled*	
<input type="checkbox"/> Disposition Requested	<input type="checkbox"/> Car On Hand	<input type="checkbox"/> Removed*	
<input type="checkbox"/> Disposition Provided	<input type="checkbox"/> Intermediate Shop Complete		
<input type="checkbox"/> Salvage Value Provided			

Toggle In Progress State On/Off



Equipment Status: Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#) [Toggle In Progress States](#)

<input checked="" type="checkbox"/> New	<input checked="" type="checkbox"/> Settlement Offered
<input checked="" type="checkbox"/> Actual DV/Disposition Requested	<input checked="" type="checkbox"/> Settlement Rejected
<input checked="" type="checkbox"/> Actual DV/Disposition Provided	<input checked="" type="checkbox"/> Handling Carrier Repair
<input checked="" type="checkbox"/> Disposition Requested	<input checked="" type="checkbox"/> Car On Hand
<input checked="" type="checkbox"/> Disposition Provided	<input checked="" type="checkbox"/> Intermediate Shop Complete
<input checked="" type="checkbox"/> Salvage Value Provided	

Equipment Status: Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#) [Toggle In Progress States](#)

<input type="checkbox"/> New	<input type="checkbox"/> Settlement Offered
<input type="checkbox"/> Actual DV/Disposition Requested	<input type="checkbox"/> Settlement Rejected
<input type="checkbox"/> Actual DV/Disposition Provided	<input type="checkbox"/> Handling Carrier Repair
<input type="checkbox"/> Disposition Requested	<input type="checkbox"/> Car On Hand
<input type="checkbox"/> Disposition Provided	<input type="checkbox"/> Intermediate Shop Complete
<input type="checkbox"/> Salvage Value Provided	

Toggle End State On/Off



Equipment Status:

Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#)

- ☐ New
- ☐ Actual DV/Disposition Requested
- ☐ Actual DV/Disposition Provided
- ☐ Disposition Requested
- ☐ Disposition Provided
- ☐ Salvage Value Provided

[Toggle In Progress States](#)

- ☐ Settlement Offered
- ☐ Settlement Rejected
- ☐ Handling Carrier Repair
- ☐ Car On Hand
- ☐ Intermediate Shop Complete

[Toggle End States](#)

- ☒ Settlement Accepted*
- ☒ Car Repairs Completed*
- ☒ Dismantled*
- ☒ Removed*

Equipment Status:

Note: Statuses marked with an asterisk (*) are in DDCT end state.

[Toggle all](#)

- ☐ New
- ☐ Actual DV/Disposition Requested
- ☐ Actual DV/Disposition Provided
- ☐ Disposition Requested
- ☐ Disposition Provided
- ☐ Salvage Value Provided

[Toggle In Progress States](#)

- ☐ Settlement Offered
- ☐ Settlement Rejected
- ☐ Handling Carrier Repair
- ☐ Car On Hand
- ☐ Intermediate Shop Complete

[Toggle End States](#)

- ☐ Settlement Accepted*
- ☐ Car Repairs Completed*
- ☐ Dismantled*
- ☐ Removed*

Current DDCT Search Screen



Search Incident, Defect Card, and ICB Record

SearchReset

Equipment ID:

Equipment ID supports wildcard (*) search. (ex. BN*, BNSF*, BNSF123456). Single Equipment Search will return all open incidents for the intermediate carrier. Input the specific equipment initial and number (e.g., BNSF123456). Use commas, or space to separate multiple entries (e.g., BNSF1234, BNSF123458 bnsf124550). A maximum of 200 equipment units can be entered.

☐ Include Third Party Requests

Incident ID/Defect Card ID:

eg MARK00123456

From Date:

01-01-2011

To Date:

10-27-2020

Search As:

☐ HC ☐ CMO ☒ Both

Rule/Defect Card/Record:

Toggle all

☒ Rule 1

☒ Rule 95

☒ Rule 96

☒ Rule 107

☒ Rule 108

☒ Defect Card

☒ ICB Record

Status:

☒ Open

☒ Closed

ICB ID:

eg 123

Disposition Shop Mark:

2 - 4 ALPHA

Shop Couplet SPLC:

Nine-digits

Equipment Group:

All

Location SPLC:

Nine-digits

Incident Type:

All

Defect Type:

All

Removal Reasons:

Clear all

Autoclose - 3 loaded moves

Autoclose - 48 months

Expired

Equipment Status:

Note: Statuses marked with an asterisk (*) are in DDCT end state.

Toggle all

☒ New

☒ Settlement Offered

☒ Settlement Accepted*

☒ Actual DV/Disposition Requested

☒ Settlement Rejected

☒ Car Repairs Completed*

☒ Actual DV/Disposition Provided

☒ Handling Carrier Repair

☒ Dismantled*

☒ Disposition Requested

☒ Car On Hand

☒ Removed*

☒ Disposition Provided

☒ Intermediate Shop Complete

☒ Salvage Value Provided

Toggle In Progress States

Toggle End States

SearchReset

Add “End of Service” to Rule 1 Defect List - UI



Equipment Details

← Previous Car Next Car →

Please select at least one defect for each equipment.

Equipment ID: RAIL1011
Equipment Group: TANK

Defect

<input type="checkbox"/> N - Underframe	
<input type="checkbox"/> O - Wheel Assembly	
<input type="checkbox"/> P - En-route	
<input type="checkbox"/> R - Rack Repairs	
<input checked="" type="checkbox"/> S - End of Service	
<input type="checkbox"/> W - Early Warning/Maintenance Advisory	
<input type="checkbox"/> X - TTX Flats	
<input type="checkbox"/> Y - Defect Card	
<input type="checkbox"/> Z - Other Defects	

Note

✓ Save

✕ Cancel

Incident Details

* Incident Date

06-12-2020

* Required

Handling Carrier

BNSF

* Interchange Rule

AAR Interchange Rule 1 - Care of Freight Cars

* Location SPLC

845203000

Q

Equipment ID	Equipment Group	Defect	Note	Action
RAIL1011	TANK	S - End of Service		⚙

← Previous

➕ Add Car

💾 Save Draft

➡ Next

Add “End of Service” to Rule 1 Defect List – Web Services



```
<?xml version='1.0' encoding='UTF-8'>
<r20:Sender>
  <r20:OrganizationContact>
    <r20:OrganizationIdentification>
      <r20:OrganizationIdentifier>CSXT</r20:OrganizationIdentifier>
    </r20:OrganizationIdentification>
  </r20:OrganizationContact>
</r20:Sender>
<r20:Receiver>
  <r20:OrganizationContact>
    <r20:OrganizationIdentification>
      <r20:OrganizationIdentifier>RICC</r20:OrganizationIdentifier>
    </r20:OrganizationIdentification>
  </r20:OrganizationContact>
</r20:Receiver>
<r20:DocumentDetail>
  <r20:CreateDateAndTime>2019-01-15T10:16:56.639Z</r20:CreateDateAndTime>
  <r20:InstanceIdentifier/>
</r20:DocumentDetail>
</r20:CreateIncidentRequestDispositionRequestHeader>
<r20:CreateIncidentRequestDispositionRequestDetail>
  <r20:IncidentInfo>
    <r20:IncidentIdentification>
      <r20:IncidentDate>2019-01-15</r20:IncidentDate>
      <r20:InterchangeRule>1</r20:InterchangeRule>
    </r20:IncidentIdentification>
    <r20:IncidentHandlingCarrier/>
    <r20:IncidentLocation>
      <r20:SPLC>790145000</r20:SPLC>
    </r20:IncidentLocation>
    <!--1 or more repetitions:-->
    <r20:IncidentEquipment>
      <r20:EquipmentID>
        <r20:ParsedEquipmentInitialNumber>
          <r20:EquipmentInitial>RAIL</r20:EquipmentInitial>
          <r20:EquipmentNumber>1011</r20:EquipmentNumber>
        </r20:ParsedEquipmentInitialNumber>
      </r20:EquipmentID>
      <!--1 or more repetitions:-->
    </r20:IncidentEquipment>
    <r20:DefectInfo>
      <r20:Defect>
        <r20:DefectCode>S</r20:DefectCode>
      </r20:Defect>
    </r20:DefectInfo>
    <r20:Note>Test</r20:Note>
  </r20:CreateIncidentRequestDispositionRequestDetail>
</r20:CreateIncidentRequestDispositionRequest>
</?xml>
```

```
<?xml version='1.0' encoding='UTF-8'>
<Sender>
  <OrganizationContact>
    <OrganizationIdentification>
      <OrganizationIdentifier>RICC</OrganizationIdentifier>
    </OrganizationIdentification>
  </OrganizationContact>
</Sender>
<Receiver>
  <OrganizationContact>
    <OrganizationIdentification>
      <OrganizationIdentifier>CSXT</OrganizationIdentifier>
    </OrganizationIdentification>
  </OrganizationContact>
</Receiver>
<DocumentDetail>
  <CreateDateAndTime>2020-06-12T15:14:05.956-04:00</CreateDateAndTime>
  <InstanceIdentifier/>
</DocumentDetail>
</CreateIncidentRequestDispositionResponseHeader>
<CreateIncidentRequestDispositionResponseSummary>
  <ResultStatus>
    <ServiceResultStatus>
      <ResultCode>S</ResultCode>
      <ResultDescription>Success</ResultDescription>
    </ServiceResultStatus>
  </ResultStatus>
</CreateIncidentRequestDispositionResponseSummary>
<CreateIncidentRequestDispositionResponseDetail>
  <IncidentID>CSXT00341080</IncidentID>
  <IncidentEquipment>
    <EquipmentID>
      <ParsedEquipmentInitialNumber>
        <EquipmentInitial>RAIL</EquipmentInitial>
        <EquipmentNumber>1011</EquipmentNumber>
      </ParsedEquipmentInitialNumber>
    </EquipmentID>
    <CarMarkOwner>
      <Mark>RAIL</Mark>
    </CarMarkOwner>
    <RackOnCar>N</RackOnCar>
  </IncidentEquipment>
</CreateIncidentRequestDispositionResponseDetail>
</CreateIncidentRequestDispositionResponseDocument>
</soap:Body>
</soap:Envelope>
```


Add “End of Service” to Rule 1 Defect List



Report Preview

Equipment ID : RAIL1011

Equipment Group : TANK

Incident ID : CSXT00341080

Incident Date : 01-15-2019

Interchange Rule : 1

Handling Carrier : CSXT - CSX TRANSPORTATION

Incident Status : Open

Incident Location (SPLC) : Houck, AZ (790145000)

Car Mark Owner : RAIL - RAILINC CORPORATION

Handling Carrier (CSXT) Contact Information

Lora Dorman - Dir AAR Services & Ops Support

noreply@railinc.com

904.366.4003

Jacksonville, FL 32202 (US)

Car Mark Owner (RAIL) Contact Information

Kevin Wolfe - Product Support Specialist

kevin.wolfe@railinc.com

919.379.7521

Cary, NC 27513 (US)

Status : Disposition Requested

Last Shop Location (SPLC) :

Rack On Car : No

Incident Type :

Creation Date/Time : 06-12-2020 15:13:56 ET

Created By : BSRGX01

Last Modified Date/Time : 06-12-2020 15:13:56 ET

Last Modified By : BSRGX01

Defects

Defect Code	Description
S - End of Service	

Note : Test

Possession Override Note : Possession for one or more cars has been overridden by handling carrier.

MQ for CMO

```
<DefectInfo>
<Defect>
<DefectCode>S</DefectCode>
<DefectDescription/>
</Defect>
</DefectInfo>
```

Car Owner Visibility

- Car Owners have visibility to incident details once Handling Carriers request disposition
 - Defect Cards are visible if created for the incident
 - Estimated Value is visible on Rule 107 incidents



Car Details

Incident Information

Equipment ID :
Equipment Group :
Incident ID :
Incident Date :
Interchange Rule :
Handling Carrier :

AARE1009
GOND
[RAIL00294874](#)
10-30-2017
107
RAIL - RAILINC CORPORATION

Incident Status :
Incident Location (SPLC) :
Car Mark Owner :

Open
Ahumada, CI (923252000)
AARE - RAILINC CORPORATION - TEST

Report Preview

Handling Carrier (RAIL) Contact Information

Carrie Rawson - Business Analyst

carrie.rawson@railinc.com

919.651.5349

Cary, NC 27513 (US)

Car Mark Owner (AARE) Contact Information

Carrie Rawson - Business Analyst

carrie.rawson@railinc.com

919.651.5349

Cary, NC 27513 (US)

Status :
Last Shop Location (SPLC) :
Rack On Car :
Incident Type :
Creation Date/Time :
Last Modified Date/Time :

Actual DV/Disposition Requested

No
Side Swipe
10-30-2017 09:51:11 ET
10-30-2017 18:52:56 ET

Created By :
Last Modified By :

BSCXR03
BSCXR03

Defects

Defect Code	Description
D - Derailment/Accident	test

Settlement

Estimated Value:
Actual DV :

\$9,503 USD
Not Provided

Disposition

Requested

Commodity/STCC Code	Load/Empty Status	Can Travel On Own Wheels?	Disposition Note	Contact Name	Contact Phone	Contact Email	User ID	Company ID	Timestamp
0113210		Y		David Summey, Business Analyst	919.651.5241	david.summy@railinc.com	BSCXR03	RAIL	10-30-2017 18:52:56 ET

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Providing Disposition



- Disposition can be provided to any FindUs.Rail Registered:

- Repair Shop
- Scrapper
- Storage Facility
- Pre-Tripper

Actual DV
*Actual DV: USD ☐

Disposition Shops
* Disposition Options: ☒ Repair At Home/Contract Shop
☐ Handling Carrier To Provide Shop

! If repairing at home/contract shop, provide at least one repair shop and designate one as the final shop.

Final Shop	Shop ID + SPLC	Location	Note
<input checked="" type="radio"/>	MFX 411657000 <input type="button" value="Q"/>		<input type="text"/>
<input type="radio"/>	<input type="text"/> <input type="text"/> <input type="button" value="Q"/>		<input type="text"/>

- Car Owners always have the disposition options to Repair at Home/Contract Shop or ask the Handling Carrier to Provide
 - On Rule 1 and 96 there is an additional option of a Waybill Location, which is provided when Railinc has a record of the current Waybill
 - On Rule 1 and 96 if disposition is not provided after 2 business days then the Handling Carrier can provide it
- For Rule 107 Actual DV must be provided at the same time as Disposition
 - If Actual DV/Disposition is not provided within 15 days the Handling Carrier can then provide disposition

Providing Actual DV

- A Settlement Value Statement form is provided and populated according to equipment's Umler data
- If you do not agree with the system calculated Depreciated Value then you can override it and provide your own value

Settlement Value Statement

Equipment Type: ☒ Car ☐ Rack ☐ RAIL (Owner)

With reference to your communicate of 10/30/2017, file RAIL00294874 requesting AAR depreciated value of RAIL108, damaged at AHUMADA, CI (923252000) on 10/30/2017.

Equipment built on 04/2013 rebuilt on , weighing 58,100 lbs.

A - Original Cost:

\$200,000.00

B - Cost Factor, for year built:

202

C - Cost Factor, for year prior to damage 2016:

209

D - Base Reproduction Value (A * C / B)

\$206,931.00

Type	Date	Description	Cost
Please Select..			

Add

E - Reproduction Value (Additions and Betterments)

0

F - Total Reproduction Value (D + E)

\$206,931.00

G - Less Car Depreciation: Years: 4 Months: 6 at: 2.6 % = 11.7

\$24,211.00

H - Less Capitalized Betterments Depreciation: (rate of the car):

\$0.00

I - Less Exhibit V Depreciation:

\$0.00

J - AAR Depreciated Value (F - G - H - I):

\$182,720.00

Settlement Value Statement

Salvage Value Worksheet

Umler Tare Weight 58,100

Non-Metallic Weight 0

Estimated Salvage Weight 58,100

	Enter Weight	US Credit Rate	Credit Value
Aluminum	0	0.54	\$0.00
Stainless Steel	0	0.35	\$0.00
Standard Steel	0	0.13	\$0.00

Total Salvage Weight 0.00

Total Salvage Value \$0.00

***WARNING:** Your salvage weight does not equal the Umler provided tare weight minus non-metallic weight.

Settlement Value Statement

Depreciated Value Method:

☒ Depreciated Value \$182,720.00

☐ Salvage \$7,553.00

☐ Salvage + 20% \$9,063.00

Additions and Betterments



- Additions and Betterments are populated from Umler along with the Original Cost

Settlement Value Statement

The Settlement Value Worksheet will need to be filled out manually due to the equipment ID being Deleted in Umler. For inactive equipment, please verify Worksheet values.

Equipment Type: ☒ Car ☐ Rack **RAIL** (Owner)
With reference to your communique of 10/02/2019, file RAIL00335973 requesting AAR depreciated value of RAIL648281, damaged at CARY, IL (382238000) on 10/02/2019.

Equipment built on 08/1997 rebuilt on , weighing 77,700 lbs.

A - Original Cost: \$141,445.00

B - Cost Factor, for year built: 120

C - Cost Factor, for year prior to damage 2018: 201

D - Base Reproduction Value (A * C / B) \$236,920.00

Type	Date	Description	Cost	
Please Select...				Add
GNRL	10/01/1998		\$20,000.00	Remove
GNRL	08/01/2019		\$10,000.00	Remove

E - Reproduction Value (Additions and Betterments) 43223

F - Total Reproduction Value (D + E) \$280,143.00

G - Less Car Depreciation: Years: 22 Months: 2 at: 2.6 % = 57.64 \$136,561.00

Save and Continue Cancel

Additions and Betterments



- Car Mark Owner can add Additions and Betterments manually in DDCT and update original cost
- Manually entered Additions and Betterments or original cost in DDCT will not update the Umler record for the car

Settlement Value Statement

The Settlement Value Worksheet will need to be filled out manually due to the equipment ID being Deleted in Umler. For Inactive equipment, please verify Worksheet values.

Equipment Type: ☒ Car ☐ Rack **RAIL** (Owner)
With reference to your communique of **10/02/2019**, file **RAIL00335973** requesting AAR depreciated value of **RAIL648281**, damaged at **CARY, IL (382238000)** on **10/02/2019**.

Equipment built on **08/1997** rebuilt on , weighing 77,700 lbs.

A - Original Cost: **\$141,445.00**

B - Cost Factor, for year built: **120**

C - Cost Factor, for year prior to damage 2018: **201**

D - Base Reproduction Value (A * C / B) **\$236,920.00**

Type	Date	Description	Cost	
GNRL - General c	04/04/2019	New Valves	12350	Add
GNRL	10/01/1998		\$20,000.00	Remove
GNRL	08/01/2019		\$10,000.00	Remove

E - Reproduction Value (Additions and Betterments) **43223**

F - Total Reproduction Value (D + E) **\$280,143.00**

G - Less Car Depreciation: Years: **22** Months: **2** at: **2.6** % = **57.64** **\$136,561.00**



Save and Continue **Cancel**

Additions and Betterments



- Once all of the Additions and Betterments have been added, the AAR Depreciated Value will be calculated

Settlement Value Statement







Equipment built on 08/1997  rebuilt on  , weighing 77,700 lbs.

A - Original Cost: \$141,445.00

B - Cost Factor, for year built: 120

C - Cost Factor, for year prior to damage 2018: 201

D - Base Reproduction Value (A * C / B) \$236,920.00

Type	Date	Description	Cost	
Please Select... 				
GNRL	10/01/1998		\$20,000.00	
GNRL	08/01/2019		\$10,000.00	
GNRL	04/04/2019	New Valves	\$12,350.00	

E - Reproduction Value (Additions and Betterments) 55573

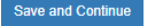

F - Total Reproduction Value (D + E) \$292,493.00

G - Less Car Depreciation: Years: 22 Months: 2 at: 2.6 % = 57.64 \$136,561.00

H - Less Capitalized Betterments Depreciation: (rate of the car): \$19,150.00

I - Less Exhibit V Depreciation: \$0.00

J - AAR Depreciated Value (F - G - H - I): \$136,782.00

Reject Actual DV or Offer Settlement



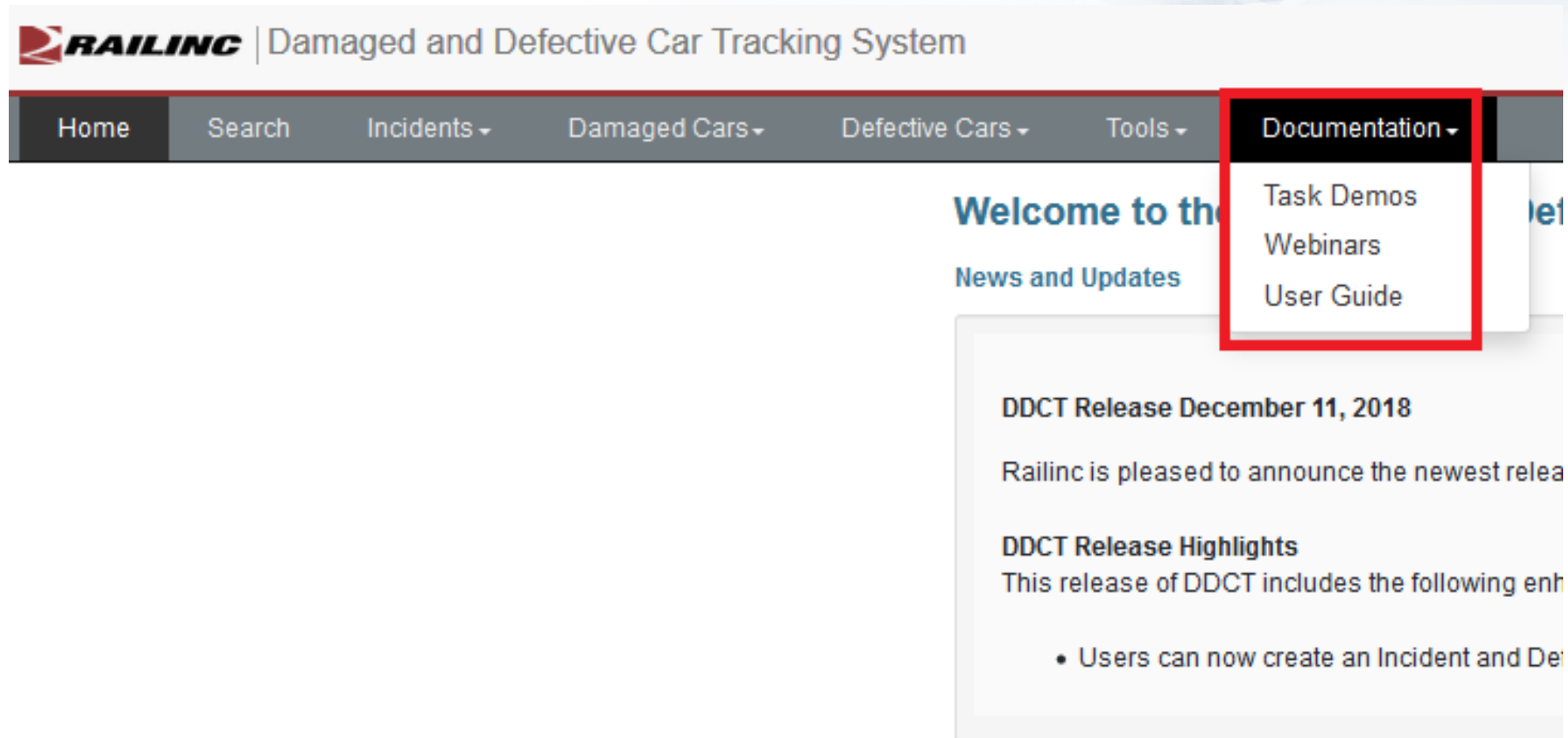
- Once the Car Owner provides the Actual Depreciated Value (ADV), Handling Carriers can Reject ADV, Offer Settlement or choose to Repair
- If HC chooses to offer settlement the CMO is notified
 - Car Owners can reject settlement or accept settlement, if accepted the incident is updated to Settlement Accepted*
 - If a Car Owner rejects settlement the Handling Carrier will move the car to the dispositioned Shop
 - If settlement is not accepted or rejected within 45 days then the settlement is automatically accepted
- If HC chooses to Repair, the CMO is notified and the HC will move the car to the dispositioned Shop

Reference Guides for DDCT



- The following manuals can assist users in understanding AAR rules govern DDCT
 - Office Manual and Field Manual of the AAR Interchange Rules contain:
 - Rules 95A, 102, and 107 for Damaged equipment
 - Rules 1, 96, and 108 for Defective equipment
 - DDCT industry participation and information is located in AAR Interchange Rule 115
 - FindUs.Rail contact information is required for DDCT per AAR Interchange Rule 114

Documentation Tab



- Clicking the “Documentation” option from the menu bar will populate a drop-down menu with links to helpful documentation including DDCT Task Demos, Webinars, and the DDCT User Guide


Railinc.com Product Training



A screenshot of the Railinc.com website. The top navigation bar includes the Railinc logo, 'Products & Services', 'Resources', 'Support' (highlighted with a red box), 'About Railinc', 'Careers', and 'Contact Us'. A search bar is located to the right of the navigation bar. The 'Support' dropdown menu is open, showing options: 'Accessing Railinc Products', 'Getting Started with Railinc', 'Support Resources' (highlighted with a red box), 'Railinc Price List', 'Contact Customer Success', and 'Make a Payment'. Below the navigation bar, there is a large banner with the text 'THE RAILROAD INDUSTRY'S Innovative & Reliable Resource for Technology Solutions' and a right-pointing arrow. To the right of the banner is a small graph titled 'AIR BRAKE TEST NOTIFICATION'. Below the banner, there are three main sections: 'New to the Rail Industry?' with a description and a right-pointing arrow, 'Get Railinc Support' with a description and a right-pointing arrow, and 'Find Railinc Products & Services' with a description and a right-pointing arrow. A red 'Help' button with a question mark icon is located in the bottom right corner of the page.

Railinc.com Product Training



[Products & Services](#)[Resources](#)[Support](#)[About Railinc](#)[Careers](#)[Contact Us](#)

CUSTOMER LOGIN

Home > Support > Support Resources

Support Resources

Start your search by using one, or both of the fields below

KEYWORD

DDCT

and/or

PRODUCT

All

Apply

Reset

Damaged and Defective Car Tracking

DDCT FAQs (Car Owners)

DDCT FAQs (Repair Shops)

DDCT FAQs (FindUs.Rail)

DDCT Overview

DDCT FAQs (General)

DDCT User Guide

DDCT FAQs (Handling Carriers)

DDCT User Guide (Spanish)

DDCT FAQs (Liability Continuity System)

[Accessing Railinc Products](#)[Support Resources](#)[Contact Customer Success](#)[Getting Started with Railinc](#)[Railinc Price List](#)[Make a Payment](#)

References and Resources



- DDCT Training Resources

<https://www.railinc.com/rportal/ddct-training>

- DDCT User Guide

<https://www.railinc.com/rportal/documents/18/260707/DDCTUserGuide.pdf>

- DDCT Task Demos

<https://www.railinc.com/rportal/ddct-task-demos>

- DDCT Webinars (CMO, HC, Shops, Introduction)

<https://www.railinc.com/rportal/ddct-webinars>

Early Warning/ Equipment Advisory

Rick Gambrill



Alert Management Modernization (AMM)



- The Early Warning System will be retired on March 31, 2021
- The New Equipment Advisory System will go live on April 1, 2021
- Revised Field and Office Manuals Rule 125 will be effective April 1, 2021

Equipment Advisory Agenda



- Primary Benefits
- Mapping of functionality of the current Early Warning System to the new Equipment Advisory System
- Additional functionality of the Equipment Advisory System
- Timeline

Equipment Advisory System



Primary benefits include:

- Enhanced usability of the create process, reducing supplements
- The ability to view all cars on an advisory
- Removal of the need for duplicate advisories
- Simplified severity and activity codes
- The ability to prioritize/escalate individual equipment on a single advisory
- Improved equipment handling with new advisories types
- The ability to refresh Equipment Advisory messages

Current Early Warning System Functionality



- Two types of notices:
 1. Maintenance Advisory
 2. Early Warning
- Severity Codes
 - Assigned at the Notice level
- Escalation
 - Assigned at the Notice level
 - All equipment escalates simultaneously
- Multiple notices released for the same issue
 - Required when equipment identified after escalation occurs
- Large number of equipment
 - Manual process of throttling equipment onto notices

Equipment Advisory Functionality



- Three types of notices:
 1. Equipment Instructions (EI)
 2. Informational Notice (IN)
 3. Special Handling (SH)
- Severity Codes
 - Assigned to equipment
- Escalation
 - Identified in Advisory
 - Each equipment escalates independently
- No need for multiple notices released for the same issue
- Large number of cars
 - Automate processes to throttling cars onto notices
- Additional Enhancements
 - Location on car
 - AAR streamlined workflow
 - Private Advisories

Proposed Field Manual Rule 125.A Equipment Advisories



Equipment Advisories created by AAR/TTCI with input from industry:

- Equipment Instructions (EI)
 - ABT, Reflectorization
 - Most current EW/Mas
- Special Handling (SH)
 - Car flag, Bad actor before alert
 - Test Cars requiring action, approved waiver
- Informational Notice (IN)
 - DDCT
 - Test cars requiring no action

Proposed Field Manual Rule 125.B Severity Levels



Advisory can hold multiple severity levels:

- XX – Restricted at Interchange
- A1 – Cause for attention at any time
- A2 – Cause for attention when car is on shop or repair track for any reason
- A3 – As Noted in Advisory
- A9 – Information only

Simplified Severity Levels



Current Severity Levels

Proposed Severity Levels

XX – Restricted in Interchange

XX – Restricted in Interchange

1 – Stop car, loaded or empty, do not move
2 – Stop car, loaded or empty, transfer load
3 – Stop car, loaded or empty, inspect
6 – AAR Defined

A1 – Cause for attention at any time

4 – Withhold empty car from loading-contact owner
5 – Withhold empty car from loading-inspect
6 – AAR Defined

A2 – Cause for attention when car is on shop or repair track for any reason

6 – AAR Defined

A3 – As Noted in Advisory

6 – AAR Defined (DDCT)

A9 – Informational Notices

Advisory Categories with Severities



Equipment Instructions (EI)

- XX – Restricted at Interchange
- A1 – Cause for attention at any time
- A2 – Cause for attention when car is on shop or repair track for any reason
- A3 – As Noted in Advisory

Special Handling (SH)

- XX – Restricted at Interchange
- A1 – Cause for attention at any time
- A2 – Cause for attention when car is on shop or repair track for any reason
- A3 – As Noted in Advisory

Informational Notice (IN)

- A9 – Informational only, see notice for details

Simplified Activity Codes



Current

Activity Code	Definition		EW Status	
MB	Early Warning cancelled by the AAR.		Final	
MC	Car inspected; return car to service; continued inspections required.		Open	
ME	Car inspected and moving to shop.		Open	
MF	The final inspection MH or MR was reported in error; revert car to prior severity code. MF can only be reported by the reporter of the prior activity code or the AAR.		Open	
MH	C	Activity Code	MA Status	
MI	C			
MN	C b	MC	Car inspected; return car to service; continued inspections required.	Open
MP	T re re	ME	Car inspected and moving to shop.	Open
		MF	The final inspection MH or MR was reported in error; revert car to prior severity code. MF can only be reported by the reporter of the prior activity code or the AAR.	Open
MR	C re	MH	Car repaired; return to service.	Final
MW	C m	MI	Car deleted from Umler; reported by the AAR.	Final
		MK	Maintenance Advisory cancelled by the AAR	Final
MY	C S	MN	Car incorrectly added to MA or upgraded to another EW; reported by the AAR.	Final
MZ	C	MP	The prior preliminary inspection ME/MC was reported in error; revert car to prior severity code. MP can only be reported by the reporter of the prior activity code or the AAR.	Open
		MR	Car inspected; return car to service; no continued inspection required.	Final
		MY	Car moved from MA to EW. MY can only be reported by the AAR.	Final

Proposed

Activity Code	Definition	Advisory Status
MH	Car inspected, defect found, repaired and returned to service.	Close
MR	Car inspected, no defect found, and returned to service.	Close
MO	Car inspected, does not meet the requirements of the Advisory.	Close
ME	Car inspected, defect found, and owner contacted for disposition through DDCT. Moving to shop for attention.	Open
MW	Car inspected; defect found; to be dismantled.	Open
MZ	Car inspected; moving unrepaired for unloading.	Open
MP	An Activity Code was reported in error. The Activity Code is nullified, and the car is reverted to prior severity code. A nullification can only be reported by the reporter of the prior activity code or the AAR.	Open
Activity Code	Definition (AAR Use Only)	Advisory Status
MB	Advisory cancelled by AAR.	Close
MI	Car deleted from Umler.	Close
MN	Car incorrectly added to Advisory.	Close

Proposed Field Manual Rule 125.C

Proposed Field Manual Rule 125.D-H



- D. Equipment Alerts (See Office Manual Rule 89)
- E. Severity Code Escalation Process. (See Office Manual)
- F. Prioritizing Cars For Escalation (See Office Manual)
- G. Advisory Format (In Progress)
- H. Advisory Updates (In Progress)

Proposed Office Manual Rule 125.A-D



- A. Equipment Advisory (See Field Manual)
- B. Equipment Advisory Initialization (See Field Manual)
- C. Equipment Advisory Action (See Field Manual)
- D. Equipment Alerts (See Office Manual Rule 89)

Proposed Office Manual Rule 125.E Severity Code Escalation Methods



3 Methods of Escalation

1. Duration
 - Cars may escalate based on specified time period. In this case all cars will escalate individually based on the date assigned a Severity Code
2. Interval
 - A specified number of cars may be escalated at defined intervals
3. Replenish
 - Cars may be escalated based on a specified number of cars allowed to be assigned to a Severity Code

Escalation Method - Duration



- Example: 1 year at A2, 90 days at A1

Equipment ID	Initial Assignment to A2	Escalation to A1	Escalation to XX
ABC 12345	February 1, 2021	February 1, 2022	May 1, 2022
ABC 34567	February 14, 2021	February 14, 2022	May 14, 2022
XYZ 25689	April 22, 2021	April 22, 2022	July 22, 2022

Escalation Method - Interval



- Example: 500 equipment escalated to A1 every 2 weeks

	Number of Cars Allowed to be Escalated to Severity Code A1	Number of Cars to be Escalated to Severity Code A1 Every 2 Weeks
Initial load	500	
Week 2		500
Week 4		500
Week 6		500
Week 8		500
...		

Escalation Method - Replenish



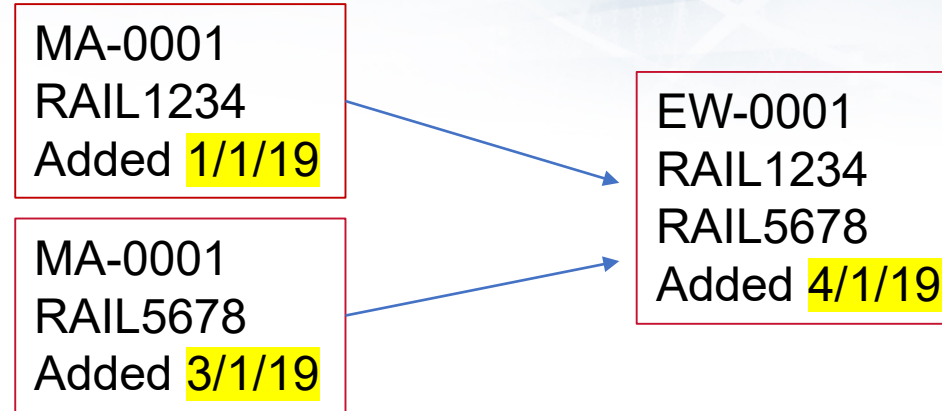
- Example: A1 limit set to 100 equipment

	Maximum Number of Cars Assigned Severity Code A1	Cars Remaining with Severity Code A1	Cars Escalated to Severity Code A1 (Maximum cars allowed – cars remaining)
Initial load	100	-	-
Week 1	100	85	15
Week 2	100	95	5
Week 3	100	55	45
Week 4	100	100	0
Week 5	100	96	4
...			

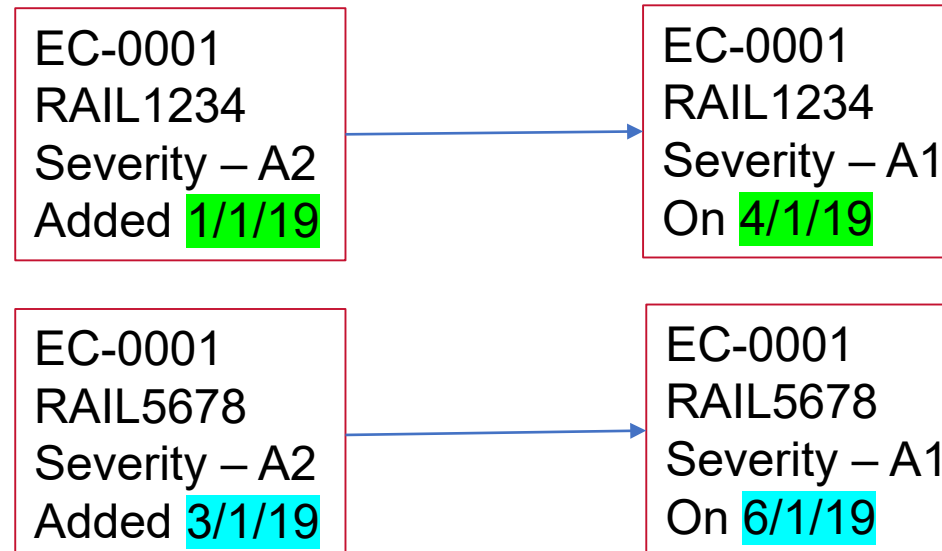
Old vs New Car Flow on an Advisory



- Current Process
 - MA Created on 1/1/20
 - Cars Escalate to EW
 - 90 days from notice creation



- New Process
 - EI Created on 1/1/20
 - Cars Escalate to A1
 - 90 days after advisory is assigned to the car



Proposed Office Manual Rule 125.F Prioritizing Cars For Escalation



F. Prioritizing Cars for Escalation

1. Cars may be prioritized for escalation based on but not limited to location, commodity, car type, and/or frequency of movement

Location on Car



Adding the ability to relay location related information in the following steps:

- Create Advisory
 - Location on car is optional when creating an advisory
 - CRB Locations
 - Component Tracking
- Report Inspection
 - Multiple locations inspected/repaired may be reported for an individual car
 - Advisory will remain assigned to equipment until all mandatory locations are reported
- Example:
 - EW-5325 – Removal of Maanshan Wheels 2005-2006

Equipment Advisory System Query Screen



Equipment Advisory

BSRXG01 : AAR Launch Pad Sign Out

Home Create Advisory Query Equipment References

Query Equipment

Search Criteria

Basic Search

Equip ID

Advisory Numbers

Toggle Adv. Search

Partial Title / Text

Predefined Query

☒ My Equip

☐ Cars Esci in the Next 30 days

Sev Level

☒ XX

☒ A1

☒ A2

☒ A9

Advisory Type

☒ EI

☒ IN

☒ SH

Umler Data

Mech Degn

Umler Owner

EINs

Lessees

Maint Parties

Mark Owners

Equip Status

☐ Active

☐ Inactive

☐ Pre-Registered

Equip Data

Equip Asgn

From

To

Equip Insp

From

To

Insp Status

All Inspections

Search

Count

Reset

Search Results

Max Number of Results 1000

REPORT INSPECTION

EXPORT TO CSV

REFRESH

Equipment ID	Comp Info	Notice ID	Mark Owner	UmlerOwner	Lessee	Mech Design	Equip Status	Assign Date	EIN
<input type="checkbox"/> RAIL00001234		EW5171	RAIL	TTX		FMS	A	2019-04-18	0010395033

Equipment Advisory System Website



- Equipment List Sorted by Equipment ID

EI-0008
Equipment List as of: 12:35:33 on May 26, 2020

Equipment ID	Sev	Esc Date
BNSF 89	A1	2020-07-02
BNSF 4402	A1	2020-06-21
CBFX 352788	A1	2020-06-29
CRDX 300222	A2	2021-03-27
FBOX 506853	A1	2020-06-30
RAIL 2	XX	
RAIL 3	A1	2020-06-21
RAIL 5	A1	2020-06-21
RAIL 8	A2	2021-03-27
RAIL 16	A2	2021-03-23
RAIL 21	A2	2021-03-31
RAIL 37	A1	2020-06-30
RAIL 43	A2	2021-03-31
RAIL 50	A2	2021-03-30
RAIL 65	A2	2021-03-30
RAIL 109	A1	2020-06-29

- Equipment List Sorted by Severity Code

EI-0008
Equipment List as of: 12:33:03 on May 26, 2020

Equipment ID	Sev	Esc Date
RAIL 2	XX	
RAIL 292118	XX	
UMXU 884892	XX	
BNSF 89	A1	2020-07-02
BNSF 4402	A1	2020-06-21
CBFX 352788	A1	2020-06-29
FBOX 506853	A1	2020-06-30
RAIL 3	A1	2020-06-21
RAIL 5	A1	2020-06-21
RAIL 37	A1	2020-06-30
RAIL 109	A1	2020-06-29
RAIL 24402	A1	2020-06-21
RAIL 100001	A1	2020-06-21
TBOX 638582	A1	2020-07-02
WFRX 875156	A1	2020-06-21
CRDX 300222	A2	2021-03-27

Web Service Changes



- No major changes to report inspection
- Notice View Query Response
 - Removal of Expiration Date
 - Removal of Severity Code
- Equipment View Query Response
 - Addition of Escalation Date
 - Addition of Severity Code

XML Cost Benefit Comparison



XML

- Mandatory and Optional fields
- Supports versioning (different XSD schemas)
- Support multiple languages and binary attachments natively
- Fast development given the right tool & language selection

TRAIN II

- Requires Industry changes
- No versioning support, all industry must support same
- Proprietary message requiring custom coding
- Custom coding costly to maintain in the long term

Timeline for April 1, 2021 Implementation



- Q2 2020
 - Proposed Field and Office Manuals Rule 125 went out for comment
- Q4 2020
 - Project committee testing begins
 - Circular
 - Any revisions to proposed Field and Office Manuals Rule 125
- Q1 2021
 - Industry testing
 - Equipment Advisory Product page on www.railinc.com
 - Equipment Advisory User Guide
 - Equipment Advisory Procedures Manual
 - Circulars
 - Webinars
- April 1, 2021
 - Implementation

References and Resources



- Early Warning User Guide

https://public.railinc.com/sites/default/files/documents/EarlyWarning_UG.pdf

- Early Warning FAQs

https://www.railinc.com/rportal/documents/18/260705/EarlyWarning_FAQs.pdf

- Early Warning Rewrite Webinar

<https://public.railinc.com/sites/default/files/documents/EW%20Rewrite%20Webinar.pdf>

- Early Warning TRAIN II Technical Guide

https://www.railinc.com/rportal/documents/18/260705/EarlyWarning_TRAINII TechGuide.pdf

Loading Authority OT-57

Kyle Tubman



RAILINC

Loading Authority 102, Class of 2020



- Loading Authority (OT-5) no longer system of record as of February 1, 2020
- Gradual Decommission of (OT-5)
 - Application no longer available
 - Phasing out of permissions in SSO
 - Data available upon request to Railinc
- Equipment Transfers
- Disposition Requests

RAILINC Circular OT-5 [sign out](#) | [user services](#) | [help](#) | [contact us](#)

document is signed on for company **RAIL**

[Home](#) [Create Application](#) [Create Pre-Authorization](#) [Search](#) [Links](#)

New OT-5 Application

Part 1 **Part 2** **Equipment Information**

Equipment Entry

Equipment Numbers/Range pairs can be added singly (ABCX 123456, DEFX1) or as a range (CCCX1-CDDX11, CCAX 123456-234567, EEEX1-EEEX11, MMMX4-73) with a comma delimiter. No special characters allowed.

Equipment Type	Equipment Numbers/Range	General Physical Attributes
<input type="text"/>	<input type="text"/>	<input type="text"/>

☐ Subject cars will be in compliance with applicable AAR and governmental mechanical, safety and security requirements. Advisories and action items will satisfy the OT-5 safety and mechanical requirement.

Commodity(s) To Be Shipped

STCC	Commodity Name	Hazard Hazmat
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

[Add](#)

Loading Locations

If CIF Number not found, please contact CIF@railinc.com for assistance and include the Name, Address and Phone Number for the company you are trying to find.

Originating Carrier	Serving Carrier	FSAC	Station	Location	Station	Location State	CIF Number	Sub Location	Industry	Adequate Storage	Status
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

[View Contacts](#) [Add](#)

[Save As Draft](#) [Submit](#) [Cancel](#)

Loading Authority Statistics



- There are 1,111,167 active, private, non-TTX cars registered in Umler
- 1,003,402 registered on a valid fleet
- 33,083 are in not registered in Umler
- 86,208 are assigned to a Foreign Fleet
- 41,295 are assigned to a different fleet under the same MARK
- 6,980 Storage Locations
- 4,453 Fleets

90.3%

Of Active Cars Are On A Fleet

New and Updated Functionality in Loading Authority



- Fleet Management
- Equipment Queries
- Equipment Transfers
- Disposition Requests

Fleets

Fleet Information	
Fleets:	44
Equipment:	49,032
Storage Locations:	15
FindUsRail Contacts:	8

Conflicts	
Equipment not in Umler:	18,172
Equipment on Foreign Fleet:	8,109
Equipment Already Assigned:	1,945
Fleets with Equipment Conflicts:	35

Equipment Requests

	Disposition Requests			
	Pending	Escalated	Final Notice	Closed
Fl. Manager	0	0	0	0
Railroad	0	0	0	0
Eq. Owner	0	0	0	0

	Transfer Requests		
	Pending	Escalated	Closed
Submitted	3	1	1
To Fleet Manager	17	96	113
To Equipment Owner	0	0	0

Fleet Management



Fleet Information

Fleets:	44
Equipment:	49,032
Storage Locations:	15
FindUsRail Contacts:	8

Fleet Management, Updated



Canadian Bacon Fleet

Manage Fleets

Equipment in Conflict¹⁰²⁹

Equipment not in Umler⁴³

AARX 150000
AASX 001019
ACFX 027601
ACFX 027630
ACFX 038501
ACFX 038741
ACFX 038777



Equipment on another fleet⁸³³

AABX 200604	<input type="checkbox"/>
AABX 200818	<input type="checkbox"/>
ABSX 003211	<input type="checkbox"/>
ACFX 027377	<input type="checkbox"/>
ACFX 027383	<input type="checkbox"/>
ACFX 027386	<input type="checkbox"/>
ACFX 027630	<input type="checkbox"/>

Select all ☐



Equipment already assigned¹⁵³

ACFX 067390 (20191205 Fleet)	<input type="checkbox"/>
ADMX 016783 (20191205 Fleet)	<input type="checkbox"/>
ALPX 628348 (20191207 Fleet)	<input type="checkbox"/>
AOKX 181690 (20191207 Fleet)	<input type="checkbox"/>
AOKX 482841 (20191207 Fleet)	<input type="checkbox"/>
BBRX 004507 (20191207 Fleet)	<input type="checkbox"/>
BBRX 005158 (20191207 Fleet)	<input type="checkbox"/>

Select all ☐



Equipment Listing²⁴

[+ Add Equipment](#) [- Remove Equipment](#) [↻ Replace All Equipment](#) [⬇ Download Equipment CSV](#)

AOKX 182090 CBTX 784127 FURX 962845 FURX 966225 GACX 009323 GATX 062069 GATX 062818 GATX 201579 GBRX 704345 GBRX 705066 MOCX 494022 NAHX 330274 PROX 044644 PROX 076545 TILX 066835 TILX 257497

TILX 318483 TILX 333129 TILX 639858 TRGX 854654 UNPX 120906 UTLX 971193 VWCX 001007 WFRX 835440

Fleet Management, Continued



Controlling Entities *

Update your contacts using the form below. Use the radio buttons to change the primary contact. Use row selections to update choices for secondary contacts. When you have made your changes, save them using the button above. If you do not see the contact(s) you are looking for, please visit FindUs.Rail.

Enter Company ID

Name	Company	Phone	Email	Primary Contact
tubman, kyle	RAILINC CORPORATION	919-651-5170	kyle.tubman@railinc.com	<input checked="" type="radio"/>
test, mister	RAILINC CORPORATION	515-499	herrkyle@gmail.com	<input type="radio"/>

Storage Locations *

Use the radio buttons to change the *required primary storage location*. Select optional secondary storage locations by highlighting the rows. You can view all of the currently available locations using the *Display All* button. If you do not see the storage location(s) you are looking for, please visit the Manage Locations page.

Display All

Location Name	Delivery Carrier	Destination	Primary Location
Bacon Station	CPRS	Cargill Meat Plant - AB - CARGILL MEATS CANADA	<input checked="" type="radio"/>

Alternate Empty Waybill Instructions (Optional)

Delivery Carrier

FSAC Station

SPLC

CIF

Equipment Queries



Conflicts

Equipment not in Umler:	18,172
Equipment on Foreign Fleet:	8,109
Equipment Already Assigned:	1,945
Fleets with Equipment Conflicts:	35

Equipment Query as Railroad



Equipment Search

Enter Equipment IDs

gatx1005-1050

Enter valid equipment separated by a comma or whitespace. Ranges are supported (Ex: AARX1-100, AARX1-AARX100).
Click the "Search" button or Shift + Enter to search.

Download

Search

Search Results: 46

0 selected

Actions

<input type="checkbox"/>	Equipment ID	Controlling Entity	Primary Contact	Primary Phone	Primary Email	Primary Storage
<input type="checkbox"/>	GATX 001005 ⓘ	UNION CARBIDE CORPORATION (A SUBSIDIAR...	Doug Sanders	(877) 724-5462	douglas.sanders@railinc.com	EL PASO IM EX - EL PASO, TX - HF INTL
<input type="checkbox"/>	GATX 001006	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001007	UNION CARBIDE CORPORATION (A SUBSIDIAR...	Doug Sanders	(877) 724-5462	douglas.sanders@railinc.com	EL PASO IM EX - EL PASO, TX - HF INTL
<input type="checkbox"/>	GATX 001008	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 001009	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 001010	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 001011	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 001012	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 001013	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001014	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001015	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001016	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001017	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001018	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001019	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 001020	This equipment is not currently in Umler.				

Equipment Query as Railroad



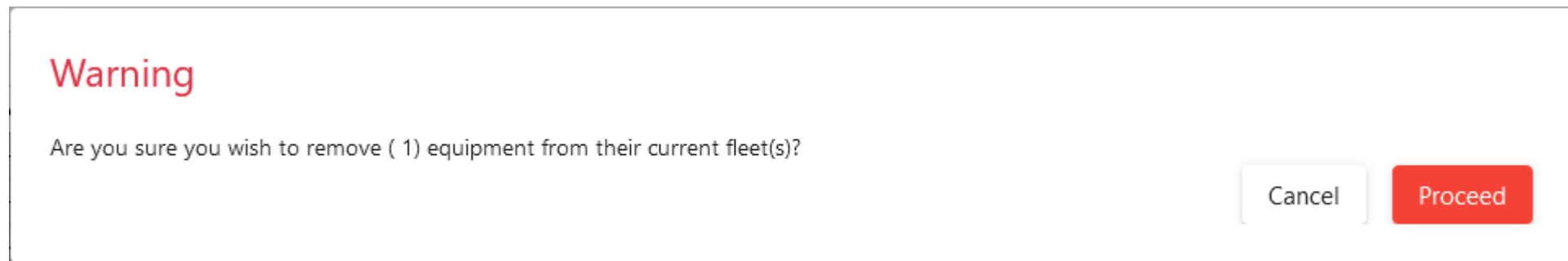
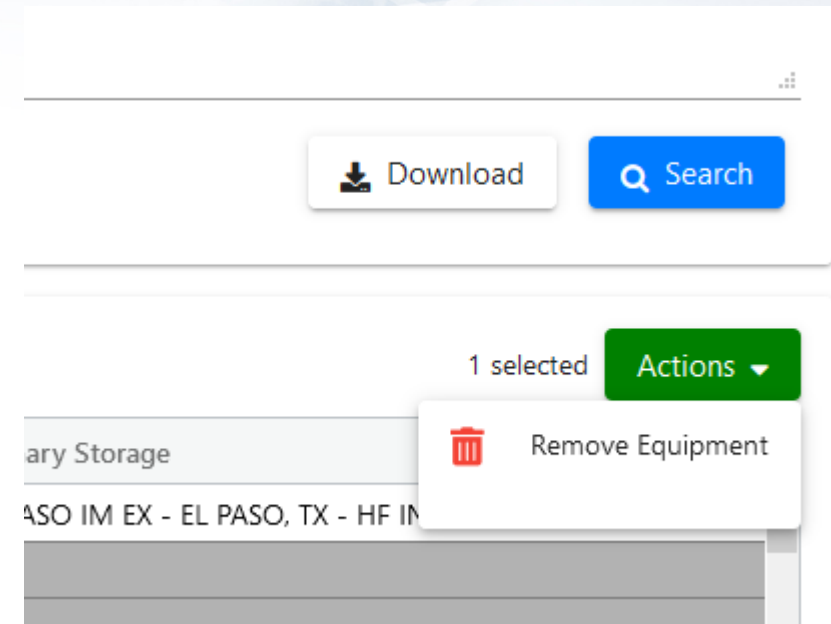
- Advises of equipment that my road does not have possession of
- Advises of equipment that is not in Umler
- Advises on the existence of Disposition Requests

<input type="checkbox"/>	Equipment ID	Controlling Entity
<input type="checkbox"/>	GATX 001005 ⓘ	UNION CARBIDE CORPORATION (A SUBSIDIAR...
<input type="checkbox"/>	GATX 001006	This equipment is not currently in Umler.
<input type="checkbox"/>	GATX 001007	UNION CARBIDE CORPORATION (A SUBSIDIAR...
<input type="checkbox"/>	GATX 001008	You are not in possession of this equipment.
<input type="checkbox"/>	GATX 001009	You are not in possession of this equipment.
<input type="checkbox"/>	GATX 001010	You are not in possession of this equipment.
<input type="checkbox"/>	GATX 001011	You are not in possession of this equipment.
<input type="checkbox"/>	GATX 001012	You are not in possession of this equipment.

Equipment Query as Car Owner



- Car Owners may query equipment and view fleet information for each car
- A Car Owner may remove a car from a fleet at their discretion
- Emails notifications are sent



Equipment Transfers



Transfer Requests

	Pending	Escalated	Closed
Submitted	3	1	1
To Fleet Manager	17	96	113
To Equipment Owner	0	0	0

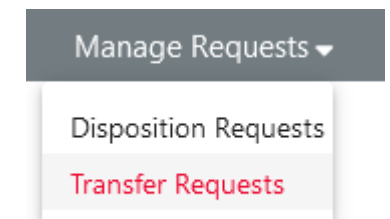
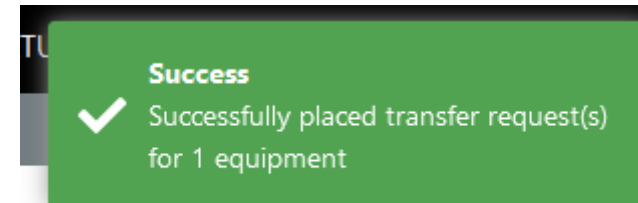
Initiating Equipment Transfers



1. Fleet Transfers start in Fleet Management
2. Select Equipment and then select the green arrows
3. This initiates the process and also advises the Fleet Manager in possession
4. Notifications are sent via email

A screenshot of a web application interface titled 'Equipment on another fleet' with a red notification bubble containing the number '31'. The interface shows a list of equipment items with checkboxes for selection. The first item, 'AOIX 000009', is selected with a red checkmark. Below it are 'CAIX 001602', 'CAIX 001604', 'CAIX 001609', 'CAIX 001611', 'CAIX 001612', and 'CAIX 001615', each with an empty checkbox. A 'Select all' checkbox is in the top right corner. At the bottom right of the list are three circular buttons: a red trash can, a blue refresh, and a green double-headed arrow. A vertical scrollbar is on the right side of the list.

Equipment ID	Select
AOIX 000009	<input checked="" type="checkbox"/>
CAIX 001602	<input type="checkbox"/>
CAIX 001604	<input type="checkbox"/>
CAIX 001609	<input type="checkbox"/>
CAIX 001611	<input type="checkbox"/>
CAIX 001612	<input type="checkbox"/>
CAIX 001615	<input type="checkbox"/>



Equipment Transfer Hub



Transfer Requests | Submitted Requests

Pending ⁶ Escalated ¹ Closed ²

Expand/Collapse All

Clear Filters



Download to CSV

		Requesting Fleet Manager >	Requesting Fleet Controlling ... >			
<input type="checkbox"/> Equipment ID	Fleet Name	Company Mark	Entity Mark	Created On	Last Updated	Days Since Update
<input type="checkbox"/> CAIX 001602	DougsGATXFleet	GATX	GATX	2020-10-26 15:22	2020-10-26 15:22	0
<input type="checkbox"/> AOIX 000009	DougsGATXFleet	GATX	GATX	2020-10-26 15:22	2020-10-26 15:22	0
<input type="checkbox"/> CAIX 001611	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001609	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001612	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001617	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6

Submitted Requests

Incoming Requests

Owner Management

Close

Equipment Transfers – Fleet Managers



Transfer Requests | Submitted Requests

- Submitted Requests
- Incoming Requests
- Owner Management
- Close

Pending ⁶ Escalated ¹ Closed ²

Expand/Collapse All

Clear Filters



Download to CSV

		Requesting Fleet Manager >	Requesting Fleet Controlling ... >			
<input type="checkbox"/> Equipment ID	Fleet Name	Company Mark	Entity Mark	Created On	Last Updated	Days Since Update
<input checked="" type="checkbox"/> CAIX 001602	DougsGATXFleet	GATX	GATX	2020-10-26 15:22	2020-10-26 15:22	0
<input type="checkbox"/> AOIX 000009	DougsGATXFleet	GATX	GATX	2020-10-26 15:22	2020-10-26 15:22	0
<input type="checkbox"/> CAIX 001611	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001609	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001612	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6
<input type="checkbox"/> CAIX 001617	DougsGATXFleet	GATX	GATX	2020-10-20 22:08	2020-10-20 22:08	6

Resend

Escalate

Cancel Request

Equipment Transfers - Owner



Transfer Requests | Owner Management

Pending ²⁷ Escalated ⁵ Closed ⁹

Requires Grantor Action All Clear Filters


Download to CSV

	Requesting Fleet Manager >	Requesting Fleet Contro... >	Grantor Fleet Manager >	Grantor Fleet Controllin... >			
<input type="checkbox"/> Equipment ID	Company Mark	Entity Mark	Company Mark	Entity Mark	Created On	Last Updated	Days Since Update
<input checked="" type="checkbox"/> GATX 003019	ADMX	ADMX	GATX	GATX	2020-10-21 18:46	2020-10-22 15:39	4
<input type="checkbox"/> GATX 002712	GATX	GATX	GATX	GATX	2020-10-22 15:09	2020-10-22 15:10	4
<input type="checkbox"/> GATX 003044	ADMX	ADMX	GATX	GATX	2020-10-21 18:46	2020-10-21 18:47	5
<input type="checkbox"/> GATX 003030	ADMX	ADMX	GATX	GATX	2020-10-21 18:46	2020-10-21 18:47	5
<input type="checkbox"/> GATX 003045	ADMX	ADMX	GATX	GATX	2020-10-21 18:46	2020-10-21 18:47	5

Approve Reject

Expanding Headers



 Download to CSV

Requesting Fleet Manager <					Requesting Fleet Contr
Company Mark	Company Name	Contact Name	Phone	Email	Entity Mark
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX
GATX	GENERAL AMERICAN MAR...	Sanders, Douglas	(919) 651-5091	douglas.sanders@railinc.com	GATX

Disposition Requests



Disposition Requests				
	Pending	Escalated	Final Notice	Closed
Fl. Manager	0	0	0	0
Railroad	0	0	0	0
Eq. Owner	0	0	0	0

Disposition, As Per Circular OT-57



- Upon provision of notice, as described below, railroads may pursue the option of sending a private car to its storage location if there is no empty billing instruction (reverse routing qualifies as an empty billing instruction) or if a receiver/loader is unwilling to accept or rejects a car.
- Day 0 - Day that request is created.
- Day 1 - Begins at 12:01 a.m. the following business day.
- Day 2 - Begins at 12:01 a.m. the following business day.
- Day 3 - Begins at 12:01 a.m. the following business day. Begins when manually escalated by railroad.
- Day 4 - Manually initiate by railroad after Day 3, 24 hour notice given when triggered.
- Day 5 - The railroad may close the disposition request and handle the car as desired.

Disposition, Step 1: Equipment Search



Equipment Search

Enter Equipment IDs

gatx4124-4132

Enter valid equipment separated by a comma or whitespace. Ranges are supported (Ex: AARX1-100, AARX1-AARX100).
Click the "Search" button or Shift + Enter to search.

Download

Search

Search Results: 9

0 selected

Actions

<input type="checkbox"/>	Equipment ID	Controlling Entity	Primary Contact	Primary Phone	Primary Email	Primary Storage
<input type="checkbox"/>	GATX 004124	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004125	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004126	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004127	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004128	UNION CARBIDE CORPORATION (A SUBSIDIAR...	Doug Sanders	(877) 724-5462	douglas.sanders@railinc.com	EL PASO IM EX - EL PASO, TX - HF INTL
<input type="checkbox"/>	GATX 004129	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004130	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004131	This equipment is not currently in Umler.				
<input type="checkbox"/>	GATX 004132 ⓘ	UNION CARBIDE CORPORATION (A SUBSIDIAR...	Doug Sanders	(877) 724-5462	douglas.sanders@railinc.com	EL PASO IM EX - EL PASO, TX - HF INTL

Selecting Equipment for a Request




Search Results: 6

1 selected

Actions ▾

⚙ Request Disposition

	Equipment ID	Controlling Entity	Primary Contact	Primary Phone	Primary Email	Primary Storage
<input type="checkbox"/>	GATX 004129	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004130	You are not in possession of this equipment.				
<input type="checkbox"/>	GATX 004131	This equipment is not currently in Umler.				
<input checked="" type="checkbox"/>	GATX 004132	GENERAL AMERICAN MARKS COMPANY	Chauncey Fallen		noreply@railinc.com	EL PASO IM EX - EL PASO, TX - HF INTL

Finalizing Request



Request Disposition

Disposition will be requested for 1 equipment below

GATX004132

Enter your comment here

Please advise where I can take this car.

Submit

Success
✓ Successfully placing disposition requests for 1

Disposition Dashboard



Disposition Requests | Railroad

Pending 5 Escalated Final Notice Closed 2

Expand/Collapse All Clear Filters

Download to CSV

		Fleet Manager >	Controlling Entity >	Equipment Owner >	Railroad Contact >			
<input type="checkbox"/> Equipment Id	Fleet Name	Company Mark	Entity Mark	Owner Mark	Road	Created On	Last Updated	Next Update Date
<input checked="" type="checkbox"/> GATX 004132	Flotte privée	GATX	GATX	GATX	BNSF	2020-10-26	2020-10-26	2020-10-29
<input type="checkbox"/> GATX 001401	DougsGATXFleet	GATX	GATX	GATX	BNSF	2020-10-22	2020-10-22	2020-10-27
<input type="checkbox"/> GATX 001402	DougsGATXFleet	GATX	GATX	GATX	BNSF	2020-10-22	2020-10-22	2020-10-27
<input type="checkbox"/> GATX 001403	DougsGATXFleet	GATX	GATX	GATX	BNSF	2020-10-22	2020-10-22	2020-10-27
<input type="checkbox"/> TIMX 000010	DougsGATXFleet	GATX	GATX	TILX	BNSF	2020-10-20	2020-10-20	2020-10-23

Add Comment Close Request

Communication for Disposition



Comment History | GATX 004132 ✕

kyle tubman, BNSF [2020-10-26 16:44]
Please advise where I can take this car.

Enter your comment here *

- Loading Authority provides a means for communication between Fleet Manager, Primary Controlling Entities, Railroads, and Equipment Owners
- Prompts communication
- Impetus on parties involved to work together and get a car where it needs to be
- Comments also go out as email notifications
- Comments may not be provided for Closed requests

Closing Disposition Requests



- All closures are done by the railroads
- Approved
- No Response
- Cancelled
- No duplicates on open requests

Close Request

The disposition request(s) for the following equipment will be closed.

GATX001403

Select request's resolution and provide a comment.

Approved

No Response

Cancelled

Submit

References & Resources



Loading Authority Product Page

- [User Guide](#)
- [FAQs](#)
- [Webinars/Task Demos](#)
- [Link to Circular OT-57](#)



Association of American Railroads
Safety and Operations • Business Services
425 Third Street, SW • Washington, D.C. 20024

CIRCULAR No. OT-57

IN EFFECT AS OF FEBRUARY 1, 2020

**RULES GOVERNING REGISTRATION OF PRIVATE CARS AND
CONTROLLING ENTITY CONTACT & STORAGE INFORMATION**

Component Tracking Update

Clay Miller



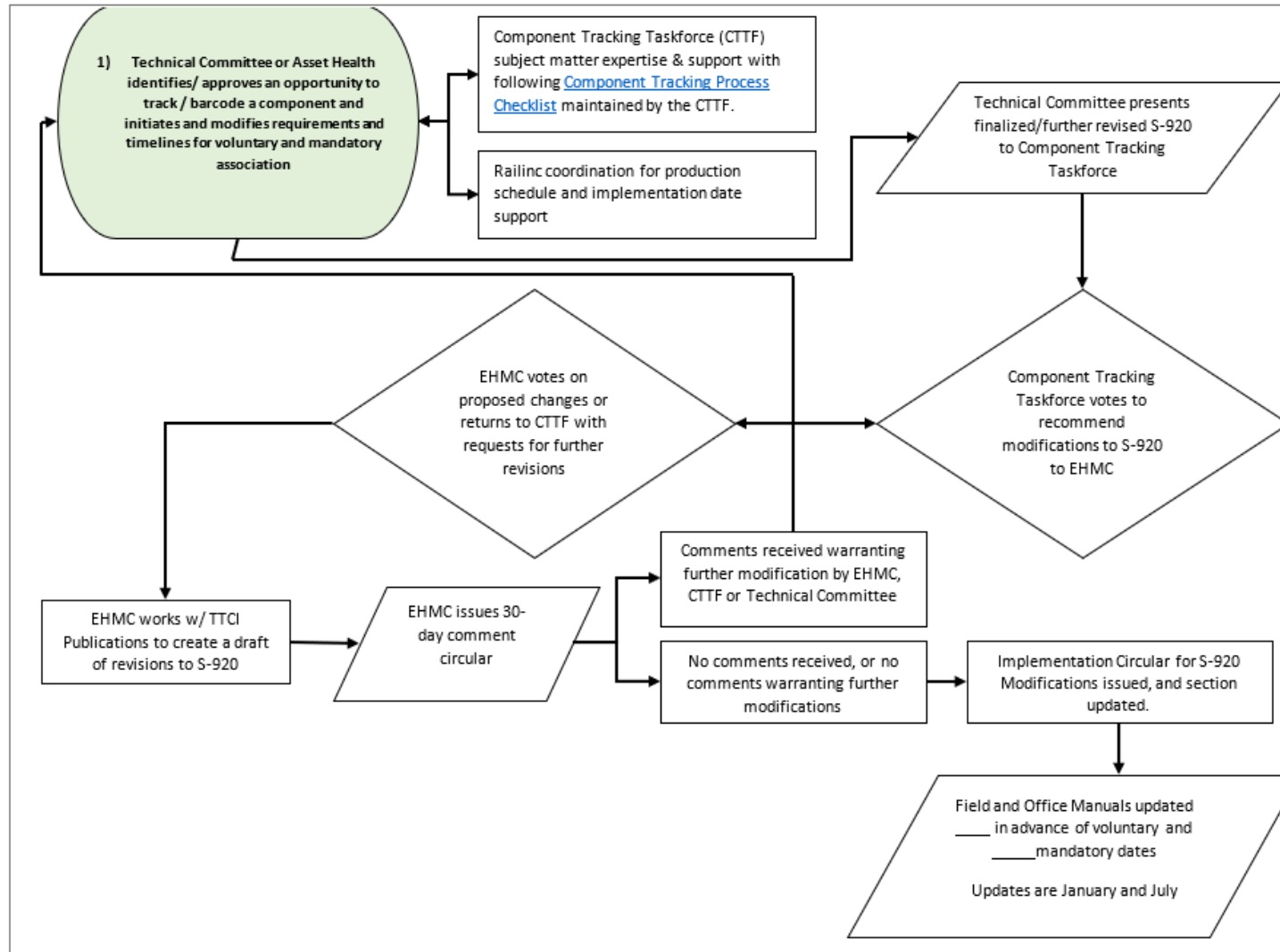
New Component Tracking Process



Component Tracking Task Force has been revived under Greg Deibler

- Currently working on “checklist” for new components and process flow drafts
- Working with several revived sub Task Forces:
 - Data Security
 - Determining requirements for updating the security matrix
 - Data Quality
 - Determining next steps in addressing quality issues (e.g. duplicate CIDs)
 - Component Tracking Process Development
 - Determining best practices for adding new components

Potential New S-920 Process Under CTTF



Cushioning Units Project Completed Successfully



- Ability to add and register cushioning units completed October 15th
- Cushioning unit job codes are dependent on the pocket group, updates to job codes were made November 12th
 - Now a CID can be passed with a pocket group to determine the unique job code
 - If just the CID is passed all applicable job codes will be returned

Embargo Value Expansion Project

Clay Miller



2021 RPSWC Embargo Value Expansion Project



3 Main Themes

1. Update 824s

- New “all clear” code

2. More deeply integrate with transpiration and operations

- Allow for the embargo of empty private cars due to congestion

3. Improve usability

- UI improvements
- Make the application easier to use for new embargo officers

Tank Car Services Update

Clay Miller



Tank Car Certificate of Construction (TCOC)



- Addressed several defects in the application:
 - Now allow for CoCs in draft status to be deleted in Search and Application pages
 - Increased CSV download capability
 - Fixed ITP mis-numbering on PDFs

Tank Car Integrated Database (TCID)



- Added several Station Stencils
- Updated Warnings to Errors for Drawing, Weld, and Shell/Sill section validations
- Enhanced reports to allow for search of all inspections between a date range
- Made date formats consistent in reports
- Updated company dropdowns to sort in alphabetical order
- TCID tickler will be sent to Umler to notify of discrepancies in Q4
- Next enhancements on deck
 - Improving the View Inspections screen (e.g. add columns for Stencil Class, Stub Sill Design, etc.)
 - Report query for user provided list of tank cars

Potential Tank Car Projects



- Tank Car Committee likely to approve T100.22.2 to add new components in 2021
 - Other safety relief devices
 - Valves
 - Fittings
- Tank Car Committee increase scope beyond Component Tracking into other products, especially for valves
 - Update TCOC?
 - Validate Umler against TCOC?
 - Validate TCID against TCOC?

Umler Update

Clay Miller



Systems Validation Task Force (SVTF)



- Docket 463-SVTF Updates to General Section of all Equipment Groups
 - Q1 2020
- SVTF GOND/HOPP updates
 - Q2 2020
- Flat Car, Vehicular Flat, and Intermodal Flat equipment changes pending UC review and approval
- Next equipment group is TANK. The LOCO and MISC are the last groups needing a review

Umler Committee Highlights



- Q1 - 5 dockets, most notable one making Tank Car Qualification elements confidential
- Q2 - 9 dockets, most notable
 - Making updates to the Autorack inspection interval from 8 to 10 years to align with AAR specifications
 - Updates to tank car qualification elements - removing unknown values per CPC-1343
- Q3 - 4 dockets and other notable work, including
 - Cold Weather updates (more info in slides below)
 - Validation rule matrix for HM-246 tank cars
- Preparing for upcoming ABT due date changes
- Continue to support Tank Car Task Force, Data Quality Task Force, Systems Validation Task Force, and Conflict Management Task Force
- Continue to track mismatched information between Early Warning System (EW) and Umler for Long Travel Constant Contact Bearings (LTCCB) for Tank Cars

Cold Weather Updates



- Circular C-13556 introduced interchange rules for valves on unit trains moving in cold weather
- Component Registry updated field registrations to make dates mandatory
- New Umler inspection added to report dates in cases where not all information required for a CID registration is present
- Umler and Component Registry will feed the Early Warning moving forward

2020 Release Plan



Q1 2020 Release

Mar. 19

- 398-Broadcasting EOS Dates
- 463-SVTF Updates to General Section of all Equipment Groups
- 472A-Make Eight Tank Qualification Elements Confidential-TANK
- 472C-Allow LESE to view Confidential Tank Qualification Elements (8)-TANK

Q2 2020 Release

Jun. 18

- 391-Equipment Descriptor (B341)
- 468-Increase Outside Length (OSLG) maximum range-LOCO
- 469-Update element name and range maximum for Weight on Drivers (A115)-LOCO
- 472B-Make Year Tank Qualified (B240) Mandatory-TANK
- 478-Add New Equipment Builder (A035)-TANK
- 488-Generate New Year Blue Card on Periodic Inspection Date
- 494-Updates to Tank Qualification Elements (B240-B247)
- SVTF GOND/HOPP Updates

Q1 Interim Release

Umler Struts to Spring – Feb. 12

402-CID Output Column Headings – Mar. 30

Q2 Interim Release

200 - Assign Car Grade W to Boxcars having waybill for Municipal Garbage Waste – Apr. 21

452-Correct Autorack Inspection Interval – Apr. 21

2020 Release Plan



Q3 2020 Release

Oct. 15

- 473-Add new HM-246 Validation Matrix-TANK
 - Two new ETC's – T84X and T85X
 - HM-246 Validation Matrix
- 479-Add Remote Monitoring Device (B176)-LOCO
- 490-Add new permissible value for EPA Emissions Tier Level (B081)-LOCO
- 493-Add New Cushioning Unit Component ID (B361)
 - RPSWC Project - Cushioning Unit

Q4 2020 Release

Dec. 10

- 466-New tickler 731 for Performer
- 470-Update Business Rule for Tare Weight (A259)
- 482-Create CSV Download for all errors for a single equipment
- 483-Change Request for TCID Tickler
- 503-ABT Device Type (B523) Mandatory
- 509-Lading Strap Definitions
- 510-Add new Equipment Builder (A035) CFX-FLAT

Q3 Interim Release

- Component Tracking – C703/C803 mandatory for field reg. – Jul 30
- Docket 504-Cold Weather TAG Elements and Inspections – Aug 6 and Aug 11
- Cold Weather/Umler TAG EW/MA – Aug 10
- Load Service/Emergency Brake Valve Component Data – Sep 7

Q4 Interim Release

- Umler Data Quality Service Migration – Oct 20
- Umler Query Service Infrastructure Migration – Oct 22
- Service/Emergency Brake Valve Inspections and Component Elements – Oct 29
- Component Tracking Data Warehouse Migration to Snowflake - TBD
- 500 - ABT Due Date (DU13) Interval Updates and Recalculation - TBD
 - *FRA ABT – 60 day window before implementation date*

2021 Release Plan



Q1 2021 Release

Mar. 18

- RPSWC Project - Locomotive Defect and Status
- 436-Update CPC-1232 Requirements to Include Shipping Container Specifications Stenciled Beginning with 117
- 498-Update the CFLT Ticklers Format-Layout and Verbiage
- 499-Do Not Load After Date

Q2 2021 Release

Jun. 17

- 480-Remote Monitoring Device (B176) Mandatory-TANK
- 486-Update Maximum for LOCO Horsepower (A123)
- 497-Slack Adjuster Validation Logic

Q1 Interim Release

- RPSWC-Alert Modernization Management
- Umler Cloud Migration - TBD

Q2 Interim Release

2021 Release Plan



Q3 2021 Release

Sep. 16

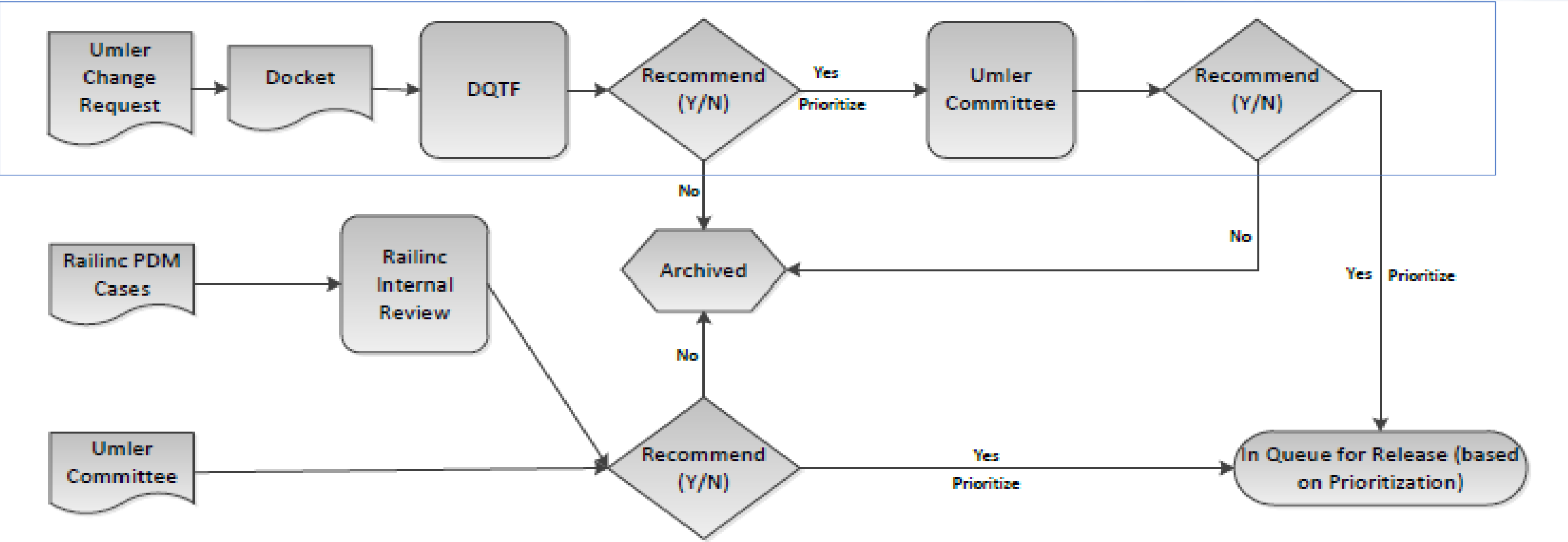
Q4 2021 Release

Dec. 9

Q3 Interim Release

Q4 Interim Release

Umler – Review of Change Request Process



*All current and previous dockets are viewable and tracked on the Umler Committee SharePoint site under the UC/DQTF Docket Repository.

Umler – Review of Change Request Process



RAILINC

Umler™ Change Request

Docket #/Filename: UMLERCHANGE REQUEST FORM.DOCX

Instructions: Use this form for all Umler system changes including new elements, new permissible values, and business rule changes. Provide as much information as possible related to the request. Send the completed form to csc@railinc.com. All requests are submitted to the Umler Data Quality Task Force for review. Requestor may be asked to participate in a conference call with the Task Force to discuss the request further. Changes approved by the Task Force are submitted to the Umler Committee for final approval and scheduled for a future Umler release. CSC will respond to the request within 24 hours and Umler Product Manager will respond within 10 business days from the date of the request. * *Indicates required field.*

Requestor's Information (type or print):

* Name: Enter Name. * Request Date: Choose date.

* E-Mail: Enter Email Address.

* Title: Enter Title. * Phone: Enter Phone Number.

*Company: Enter Company. Sponsoring Entity: Enter Sponsoring Entity.

*** Description of Items to be Reviewed:**
(Include car numbers, reference to Industry Rules/Regulations, and examples). Attach extra pages if needed.
 Enter Description.

Number of Units in Requestor's Fleet affected by this request: Enter number of affected units.

*** Benefit to Industry:**
 Enter the benefit(s) to the Industry.

Case #: Case # **Docket #:** Docket #

Railinc Comments/Request Tracking:

Umler Committee – Members



Primary Member	Company
Joe Kerber (Chair)	BNSF
Andri Desormeaux (Vice-Chair)	CIT Rail
Lora Dorman	CSXT
Wayne McDonnell	CN
Kelly Black	CPRS
Lili Martinka	FURX
Gary Boklewski	GATX
Kevin Thompson	Greenbrier
Bryan Dunklau	KCS
Jerel Scott	NS
Loriann Riccetti	TTX
Dave Tuma	UP
Lili Martinka	Wells Fargo
Maurice Davis	Watco

Railinc Umler Contacts



Name	Title	Contact Information
Railinc Customer Success Center	For assistance with Umler or any other Railinc application, contact Railinc directly	csc@railinc.com 1-877-RAILINC 1-877-724-5462
Sara Maples	Sr. Business Analyst	sara.maples@railinc.com
Tavon Littles	Business Analyst II	Tavon.Littles@railinc.com
Rory O'Brien	Business Analyst II	Rory.O'Brien@railinc.com
Anthony McKoy	Business Analyst II	Anthony.McKoy@railinc.com
Clay Miller	Product Manager	Clayton.Miller@railinc.com
Umler Business	All Business Analysts	UmlerBusiness@railinc.com
Umler Product Support	All Support	UmlerProductSupport@railinc.com

References and Resources



- Railinc website has the following resources to help with common Umler tasks on the [Umler Product page](#):
 - **Quick Guides** – Short documents that focus on specific Umler tasks
 - **Demos** – Recently updated videos that cover core Umler functionality
 - **Webinars** – Online seminars that provide a detailed review of Umler functionality
 - Umler Permissions and Access Rights
 - Component Registry

NOTE: The direct link to quick guides, demos and webinars is:
<https://www.railinc.com/rportal/umlerreferences>.

FindUs.Rail (FUR)

Letter of Authorization (LOA)

Danielle Crowley



Gaining Access to FUR and LOA



- Users will need a Railinc Single Sign-on (SSO) account
 - Register at: www.railinc.com
- Users will need Letter of Authorization and FindUs.Rail permissions assigned to access the applications
- Once logged in, locate “My Profile” and select View/Request Permissions

My Profile

Edit My Profile

Change Password

View/Request Permissions

Check Status of Permission Requests

User Guide

Gaining Access to FUR and LOA



- FUR – Search for FindUs.Rail and select the "Request" button. Choose the role/level of access needed to the application
- LOA – Search for Letter of Authorization and select the "Request" button. Choose the role/level of access needed to the application

This screenshot shows the '1 Select Roles' step of a process. At the top, a progress bar indicates three steps: '1 Select Roles' (active), '2 Confirm', and '3 Done'. Below the progress bar, there are two selectable roles, each with a checkbox and a description. The first role is 'Contact Company Admin For MARK (MARK required)' with a note that this permission must be accompanied by a MARK (2-4 character alphanumeric Company ID) specified in the Company ID field below. The second role is 'FindUsRail Company Admin (MARK required)' with a note that the Company Admin can approve users of the same company that request to access the application. At the bottom, there is a 'Comments...' text area and a character count '0/255'. Two buttons, 'Return' and 'Next', are located at the bottom right.This screenshot shows the '1 Select Roles' step of a process. At the top, a progress bar indicates three steps: '1 Select Roles' (active), '2 Confirm', and '3 Done'. Below the progress bar, there is one selectable role, 'LOA User', with a checkbox and a description stating that users in this role will have the capability to view and create Letter of authorization information and will have access to the standard features provided by the Letter of authorization application. This role is intended for Railinc customers only. Below the role description is a 'Comments...' text area with a character count '0/255'. Two buttons, 'Return' and 'Next', are located at the bottom right.

FindUs.Rail (FUR)

Danielle Crowley

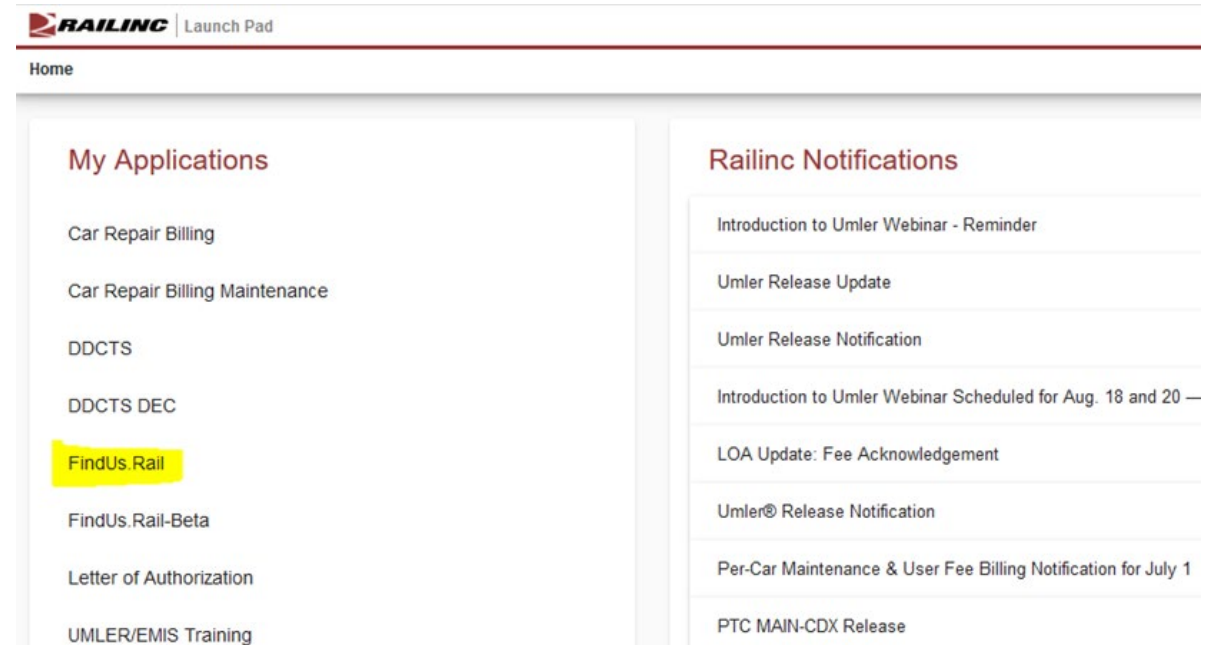


What is FindUs.Rail?



Railinc's FindUs.Rail web-based application is a source of comprehensive industry contact data. It enables users to:

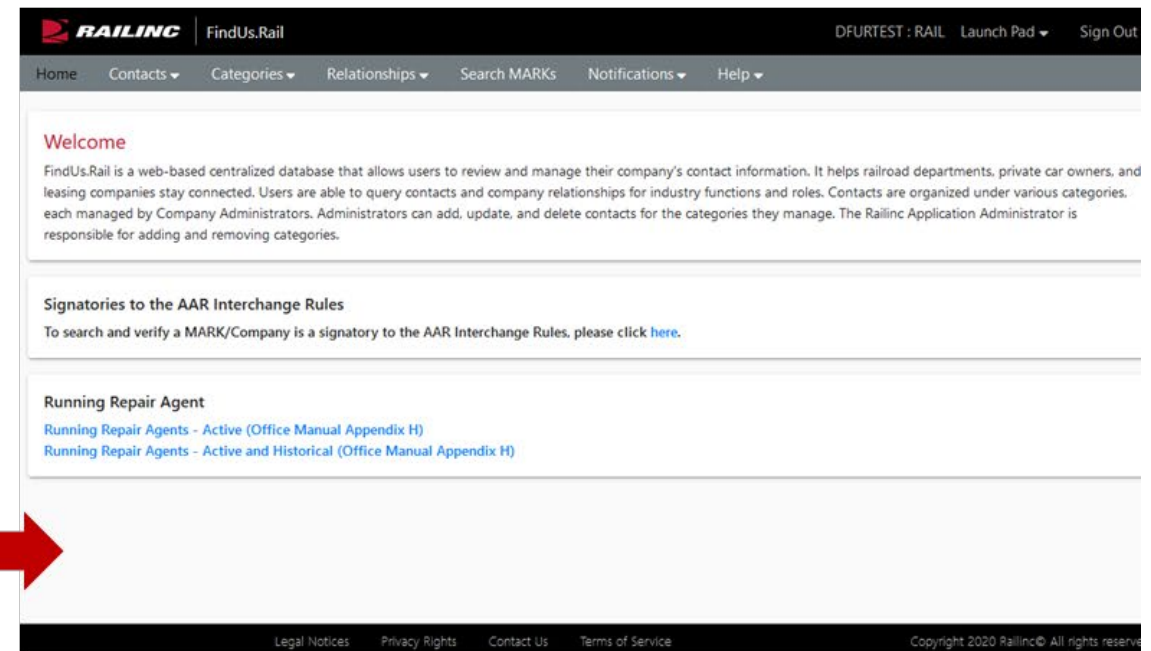
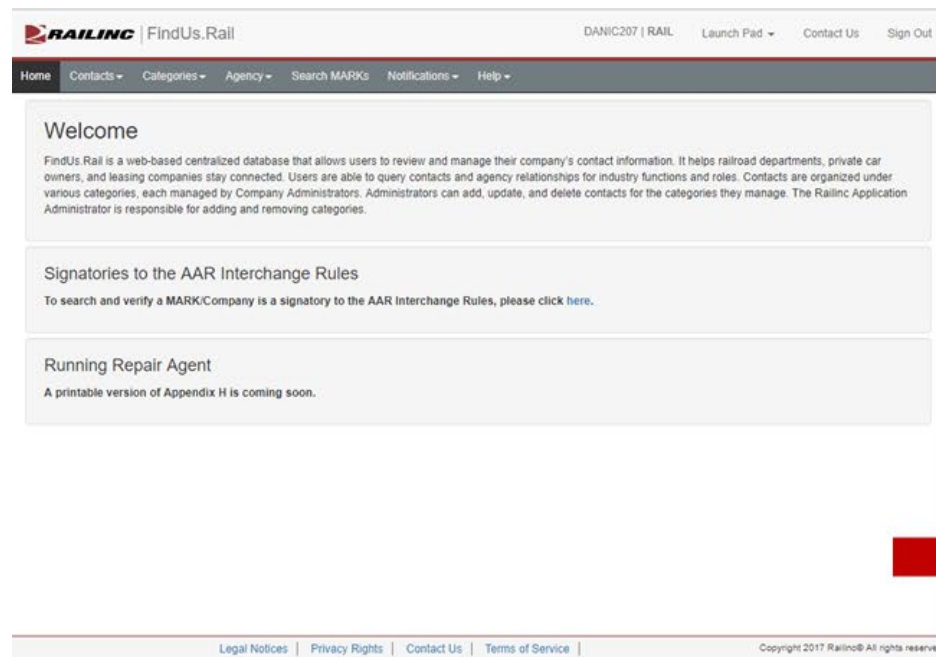
- Search for industry contacts by company and category
- Manage their own company's contacts
- Download contacts
- Assign a third party to manage contact data
- Search for agencies affiliated with the Railroad Industry



What has Changed with FindUs.Rail?



- Upgrades to enhance application security
- Cloud migration
- Addition of a seamless CAPTCHA on public page



Reminder – FindUs.Rail Mandatory Contact Information



- AAR Interchange Rule 114 indicates what contact categories are mandatory in FindUs.Rail.
 - Umler
 - DDCT
 - Early Warning
 - EHMS
 - Car Repair Billing
- Reference the current Office Manual of the AAR Interchange Rules for a complete listing.
- Per your mark assignment letter, you are required to add your company's contact information to FindUs.Rail. Instructions for doing so can be found at: <https://public.railinc.com/resources/findusrail>

Letter of Authorization (LOA)

Danielle Crowley



What is LOA?



- An LOA grants permission to an organization to receive another company's data
- The LOA application is a web-based system that enables users to manage all aspects of their LOAs
- Required per Railinc's data access policy
- Designed to protect customer data

The screenshot shows the RAILINC Letter Of Authorization (LOA) web application interface. The header includes the RAILINC logo, the title "Letter Of Authorization", and navigation links for "DFURTEST", "Launch Pad", "Contact Us", and "Sign Out". Below the header is a navigation bar with tabs for "My LOAs", "Create LOA", "Search LOA", "LOA Templates", and "Help Guide". A search bar labeled "Enter LOA ID" is also present. The main content area displays a table of LOAs with columns for "Id", "Effect...", "Expir...", "Appr...", "Grantor Co...", "Grantee C...", "Categories", "Status", and "PDF". The table lists several LOAs, including those for "RAILINC CORPORATION", "GENERAL AMERICAN MARKS", and "RAIL INDUSTRY CONTACT INFORMATION - FindUS.Rail". The status of the LOAs varies, including "APPRO...", "SPAPP...", and "Draft". A "Company View" button and an "XLS" download button are also visible.

Id	Effect...	Expir...	Appr...	Grantor Co...	Grantee C...	Categories	Status	PDF
10...	9/14/2020	9/14/2021	9/14/2020	RAILINC CORPORATION	TEST MCTESTERS...	Tracing	APPRO...	
10...	9/1/2020	9/1/2021	9/14/2020	GENERAL AMERICAN MARKS	RAILINC CORPORATION	Tracing	APPRO...	
10...	9/1/2020	9/1/2021		GENERAL AMERICAN MARKS	RAILINC CORPORATION	Tracing	SPAPP...	
10...	8/26/2020	8/26/2021	8/26/2020	RAILINC CORPORATION - TEST	RAILINC CORPORATION	Rail Industry Contact Information - FindUS.Rail	APPRO...	
10...	8/25/2020	8/25/2021	8/25/2020	RAILINC CORPORATION - TEST	RAILINC CORPORATION	Asset Utilization	APPRO...	
10...	8/24/2020	8/24/2021		RAILINC CORPORATION - TEST	RAILINC CORPORATION	Tracing	SPAPP...	
10...	8/24/2020	8/24/2021		RAILINC CORPORATION - TEST	RAILINC CORPORATION	Tracing	SPAPP...	
10...	8/24/2020	8/24/2021		RAILINC CORPORATION	RAILINC CORPORATION	Tracing	SPAPP...	

Letter of Authorization (LOA) Updates



- Internal features and process improvements
- Requirement of Supplemental Fields (MARK, SSO, etc.) to allow for expedited implementation of LOAs
- Removal of Grantee and Grantor address fields
- LOA renewal process updates

Coming Soon to LOA!

- Enhanced searching and dashboard capabilities
- Company data cleanup
- Email verbiage updates



References and Resources – LOA and FUR



Railinc Customer Success Center

Available Monday-Friday, 7:00am-7:00pm Eastern

Phone: 1-877-RAILINC (877-724-5462)

Email: csc@railinc.com

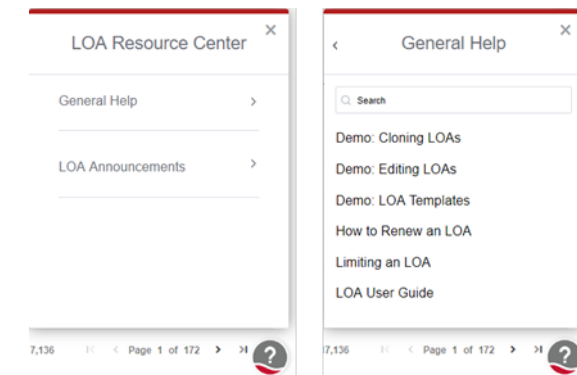
After-hours emergency support is available nights, weekends, and holidays

LOA and FindUs.Rail User Guides, quick guides, demos and webinars

LOA: <https://public.railinc.com/products-services/letter-of-authorization>

FUR: <https://public.railinc.com/resources/findusrail> (also includes a free look-up tool)

Within the LOA application, a help center is also available:



Customer Service Committee Studies

Alan McDonald



RAILINC

CSC Event Reporting Workshops



Problem Areas

- Insufficient frequency and quality of railcar events
- Location precision & granularity is insufficient
- Inconsistent application of bill-of-lading and waybill business rules
- Inaccurate sharing of customer location information
- Low quality of shipment to ETA to customers (Deferred)

Event Type	Proposed Coverage	Proposed Frequency	Proposed Accuracy/ Completeness	Proposed Location	Proposed Latency
Arrivals and Departures	N.A.	1 hour while moving 4 hrs while static	Various; not generalized	Specific lat/long with unique identifier to resolve RR differences	Short term, 1 hr Target of < 10 minutes
Intermediate (Passing)					
Holds	1 Hr				
Releases (Customer)	~100%	N/A (one time events)			
Pulls and Placements (incl constructive)					
Interchanges					
In-Gates and Out-Gates					
Ramps and De-Ramps					
Bad Order Release					
Storage					
Rejects					
Rebills					
Bad Order				Update on est. release every hr	Contains est. release time

"Big Ideas"

Components

Precise GIS Location Network

- Complete the sustainable "Rail Industry GIS (Geographic) network" (RIGIS)
- Improve quality of GIS and SPLC data
- Create "Location Master" including sustainable change management processes

Event Reporting Scorecard and Metrics

- Create industry event reporting scorecard and reports

Industry Customer Location File

- Create Customer Location File

Centralized Waybill System

- Centralized Waybill system

Utilize existing data sources to increase coverage, frequency and granularity

- Use PTC to add location events
- Use wayside detectors
- Use dispatch events/Clear Path
- Improve AEI sharing, including sharing event data from ALL AEI sites
- Create universal sharing business rules

Next Gen AEI and Motes

- Recommend an 5-year transition strategy for next generation AEI/GPS and Motes

Location Management Rail Industry GIS (RIGIS)

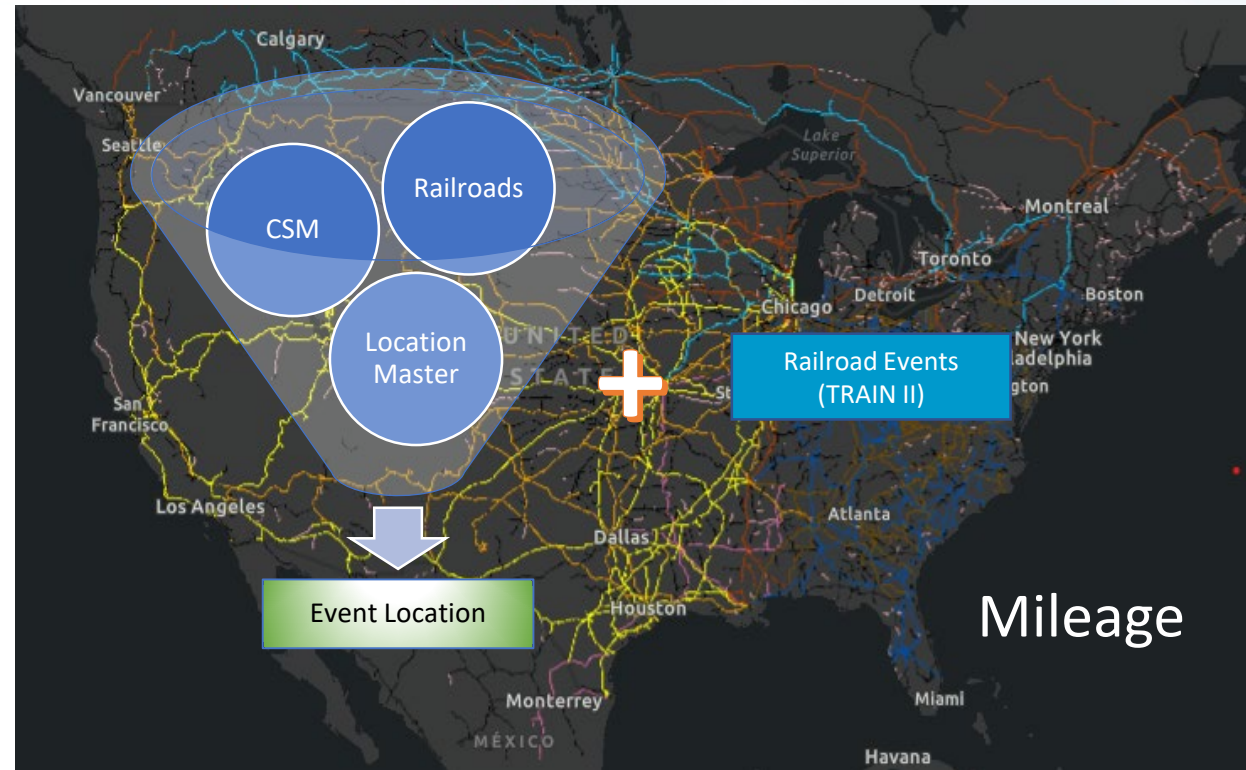


**Sustainable, precise and integrated North
American GIS network
(more than just a map)**

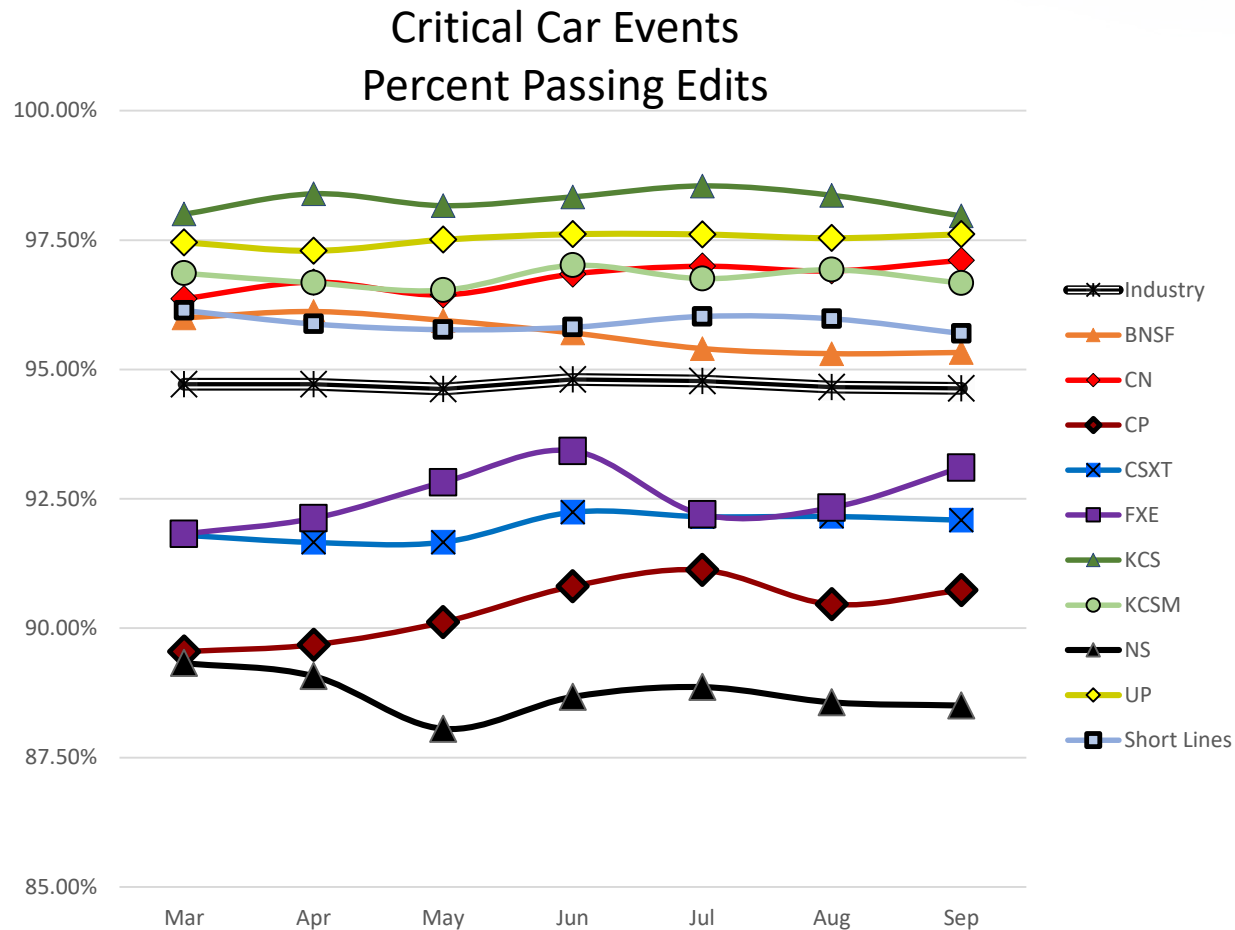
- Precise locations for all railcar events
- Precise railcar mileage
- Facilitate geospatial analysis
- Scalable to future needs

2021 Initiatives

- Network connectivity
- Event location data quality



2021 Project: Event Reporting Metrics and Scorecard



2020 Initiatives

- Prototype scorecards
 - Work with individual railroads
 - Some significant improvements are beginning to show
-
- Scope for 2021 Project
 - Include frequency, distance between events
 - Modify several business rules
 - Determine distribution method(s)
 - Automate distribution

2021 Studies



1. Leverage existing supplemental event reporting sources (Wayside detectors)
 - Identify level of coverage that could be attained
 - Develop high-level business case and potential implementation scenarios

2. Investigate needs for unambiguous identification of customer and shipment locations
 - Catalogue different customer location concepts and nomenclatures used
 - Identify gaps
 - Investigate feasibility of location “translation services”
 - Develop high-level business case and potential implementation scenarios

3. Explore bill-of-lading and waybill editing challenges and potential solutions, including common waybill editing capabilities
 - Identify root causes of waybill failures
 - Propose potential approaches or alternatives
 - Develop business case(s) timeline(s) and controls

Advanced Visibility: GPS and Next Generation AEI



- Removed from CSC Study list
- Comprehensive White Paper currently being developed by Railinc:
 - Input from Railroads, PCOs and Shippers
 - Technologies being investigated:
 - Second Generation Automatic Equipment Identification (AEI.V2)
 - Positive Train Control (PTC)
 - Geographic Positioning System (GPS), Differential GPS, GPS III
 - "Motes" and sensors
 - Optical Character Recognition (OCR or "Vision" System), Drones, Satellites
 - Use cases being developed

The background of the slide is a red-tinted photograph of a train, likely a freight or passenger train, moving along tracks. Overlaid on this image is a pattern of white binary code (0s and 1s) that appears to be floating or falling, creating a digital or data-themed aesthetic.

CarLogix

Robin McFalls



RAILINC



An asset management tool designed to support the freight car maintenance processes from the inbound inspection, when a train arrives in the interchange yard, through the car's repair and release to service.

CarLogix is used by regional railroads as a complete car repair solution.

CarLogix is also integrated to Class I railroads to provide back end services for internally built asset management systems to ensure those systems remain compliant with AAR rule changes.

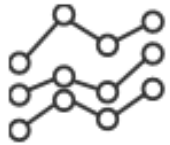
Records processed annually:

\$154M Billing

1.4M Repairs



Product Offerings



Equipment Health Report

On-demand equipment health including

- Alerts
- EW/MA
- Umler Inspections



Shop Entry

Inspection and repair recording



Pricing and Validation

Real-time pricing, error identification and alert closure

Based on the AAR Field Manual and custom edits



Back Office Management

Automated accounts receivable invoicing and accounts payable auditing and management

Supports Internal Car Repair Systems



Reference Data

- Quarterly updates of supporting reference data

Validation Service

- Real-time web service (Errors, Pricing, & Billed Party)

Back Office Management

- Automated Accounts Receivable invoice processing and Account Payable Audit

Reports

- Real-time repair reports and analytics

A Complete Car Repair Billing Solution



Repair Entry

- Easy to use repair entry system

Work Order Support

- Back Office repair management and automatic 500 Byte file submission

A/R Management

- Simplifies invoice correction and resubmission

A/P Audit

- Streamlines audit processes to submit exception letters and CBAs

Reports

- Real-time repair reports

Integration Services

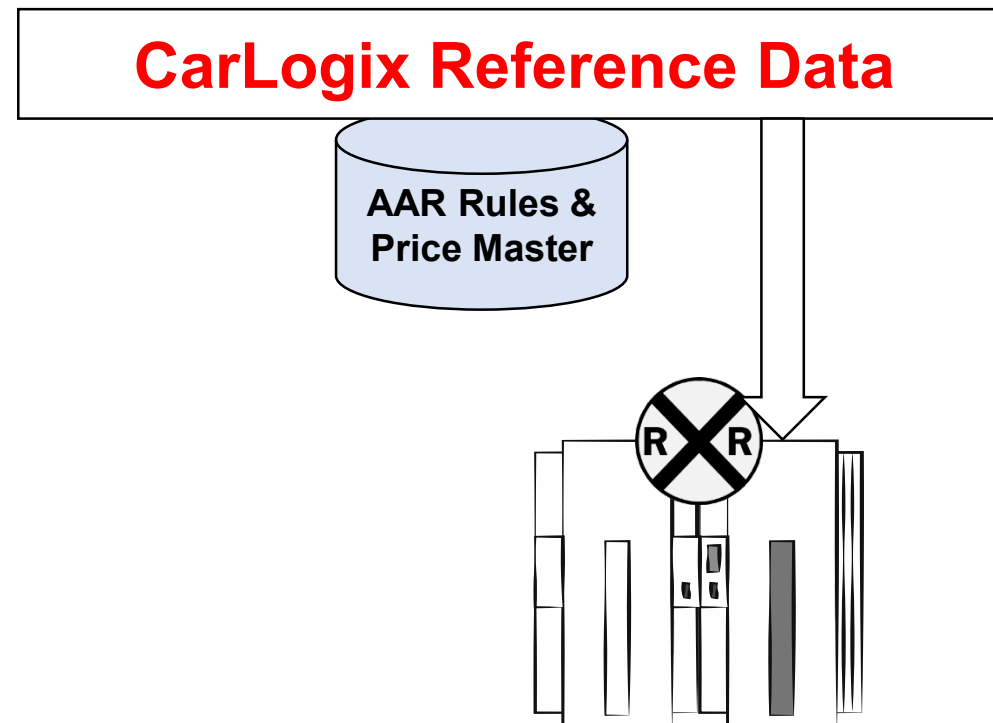


CarLogix eliminates the need to manage reference data

The CarLogix Reference Data

Service manages all of the industry and custom reference data required to create a work order including:

- Price Master and Custom Job Codes
- Job Code Search by Car Part
- Vertical and Horizontal edit updates
- Alert to Job Code mapping



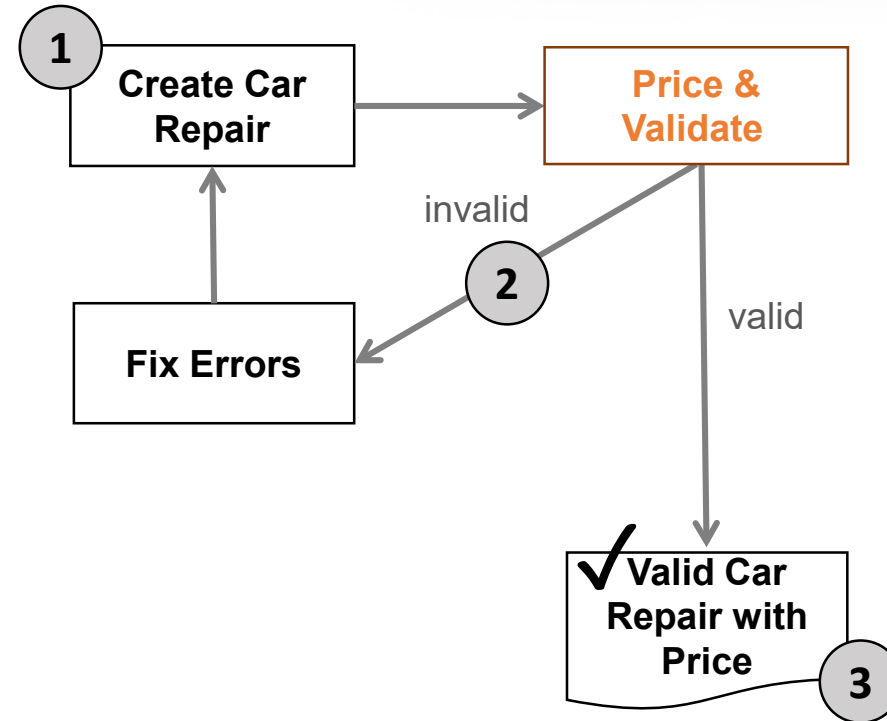
Integration Services



CarLogix automatically validates and prices work orders

The CarLogix Validation and Pricing Service

- Validates work orders against industry and custom rules
- Determines the party to bill based on the car mark owner, lease agreement or defect card authority
- Prices the repairs based on AAR Price Master or Inventory Item cost for “non-machine price-able” repairs



Integration Services



The Railinc CarLogix team identifies and adds new edits per rule changes:

- Industry meetings
- Circular letters
- AAR Field Manual, Office Manual and Procedures Manual updates

Result in:

- Updated reference data
- New or revised vertical edits

Example:

C-13664 Revisions to Field Manual, Rules 7, 9, 67 and 75

Proposed New Rule 7.E.11:

11. Labor to remove and/or replace TMX/UBX brake system components should be billed per Job Code 4468 Rule 75.

2 New Edits:

1. If JC 1670 and WM 01, 02, 05, 08, 18, 40, 41, then work order *must* also include JC 4468 with WM 09 for the same location.
2. If JC 1670 and WM 25, then work order *must* also include JC 4468 with WM 25 for the same location.

Researching: Required or recommended. If WM = 03 (*any others*), require 1999 with CP AZ.

2021 Roadmap



Shop Enhancements

- CarLogix Shop Entry
 - Car Grade Reporting
 - Associated Repair Prompt
- Enhanced Inventory Management
- Mobile Application (Tablet)
 - Mobile Inspection Application

Equipment Health Report



Compiles up-to-date equipment health information on a single screen

- Search and Print in 3 steps
- Define priority levels by alert and severity
- Include or exclude information
 - EHMS Alerts by alert level
 - Early Warnings by letter or severity level
 - Umler inspection due dates
- View EW/MA Letter directly from this screen
- Company defined instructions based on alert levels
- Enter Yard Repairs

The screenshot displays the 'Equipment Health Reporting' interface. The main table lists equipment alerts with columns for Car ID, Alert Regd, Action, Alert Type, Alert Description, Alert Level, Alert Date, Max Read, Location, Equipment Type, 12-24 Months AET Due, and 5-6 Year AET Due. The table is filtered for 'Facility: 00133 - Rusty Muffs'. The sidebar on the right contains a list of equipment types and their counts, including GAT101, CP 165189, and others.

Car ID	Alert Regd	Action	Alert Type	Alert Description	Alert Level	Alert Date	Max Read	Location	Equipment Type	12-24 Months AET Due	5-6 Year AET Due
DO06477			MA	0124 Maintenance Advisory for Rule 1 Incidents	06				ES31	22Feb2019	01Feb2023
			EW	5171-Cars Overdue for Periodic Air Brake Testing November 1, 2020	06						
GAT101		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	25Jun2018	128.09	03L	7054	31Mar2014	01Mar2018
		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	25Jun2018	124.32	02R			
			EW	5171-Cars Overdue for Periodic Air Brake Testing November 1, 2020	06						
CP063415		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	06Jun2017	93.11	04L	1011	17Aug2019	01Aug2023
			EW	5171-Cars Overdue for Periodic Air Brake Testing November 1, 2020	06						
CP142195		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	03Jun2017	98.73	01R	1011	25Jun2019	01Jun2023
		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	19Oct2016	93.8	02R			
		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	C	07Feb2017	106.16	03L			
			EW	5171-Cars Overdue for Periodic Air Brake Testing November 1, 2020	06						
		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	W	03Jun2007	69.81	01L			
		repair the car. it should be sent to shop and imp	WILD	Wheel Impact	W	15Jun2007	66.59	04L			

Equipment Health Report

Compiles up-to-date equipment health and status information from multiple industry systems

- EHMS Alerts
 - Wheel condition alerts based on Wheel Impact Load Detectors (WILD)
 - Bearing health alerts based on Acoustic Bearing Detectors (ABDs)
 - Truck Hunting and Truck Performance indicators (THD/TPD)
- Early Warnings and Maintenance Advisories
- Umler air brake inspection due dates

Your company can set the priority and color coding for each item.


You can also exclude records from displaying in the report by type or alert/severity level.

Facility: 00014 - BLUE ISLAND

+ Yard Repair

Print

☐ Show High Priority Only 1

<input type="checkbox"/>	Car ID	Priority	Action	Alert Type	Alert Description	Alert Level	Alert Date	Max Read	LOC	Equipment Type	12-24 Months ABT Due	5-8 Year ABT Due
<input type="checkbox"/>	DME51767			EW	5340-Inspection and Replacement of Service Portion Brake Valves at age 14 Plus	06				C114	10Sep2018	01Sep2021
				EW	5341-Inspection and Replacement of Emergency Portion Brake Valves at age 14 Plus	06						
<input type="checkbox"/>	PROX638484									T108	18Jun2022	01Jun2025
<input type="checkbox"/>	SOO118068									C114	29Oct2021	01Oct2025
<input type="checkbox"/>	IFRX54373			WILD	Wheel Impact	W	15Aug2020	66.77	04R	C113	20Mar2021	01Mar2025
<input type="checkbox"/>	AOKX497240			WILD	Wheel Impact	O	10Oct2020	84.21	02L	C112	30Mar2022	01Mar2025
				WILD	Wheel Impact	W	19Nov2019	76.82	01R			
				WILD	Wheel Impact	W	02Dec2018	71.85	01L			
				WILD	Wheel Impact	W	11Sep2020	70.9	03L			
<input type="checkbox"/>	DTTX790389									S635	18Mar2020	01Mar2027
<input type="checkbox"/>	DTTX781351			WILD	Wheel Impact	O	27Oct2020	84.91	07R	S169	07Jun2020	01Jun2027
				WILD	Wheel Impact	W	27Oct2020	73.63	05R			
				WILD	Wheel Impact	W	24Oct2020	65.97	09R			

Enter Car ID

PROX
SOO 0000
IFRX 0000
AOKX
DTTX
DTTX
DTTX
DTTX
CP 0000
DME
SOO 0000
AOK 0000
DTTX
DTTX
BNSF
NAHX
CP 0000
CEFX
SOO 0000
PLCX
CN 0000
DTTX
AOK 0000
TTZX
HOKX
nn 0000

Q Search

Yard Repair

Repair Date *

8/12/2020



Applied Job Code *

Narrative

Removed Job Code *

Condition Code *





Why Made Code *

Location

Qty *

Add

Clear

CarID	Applied Job Code	Repair	Removed Job Code	Condition Code	Why Made	Location	Qty	Actions
NATX0000303748	1160	ANGLE COCK, BALL TYPE	1160	1	01		1	 
SOO0000068477	1160	ANGLE COCK, BALL TYPE	1160	1	01		1	 

Create Work Order(s)

Cancel

2021 Roadmap



Focus on Private Car Owner and Contract Shops

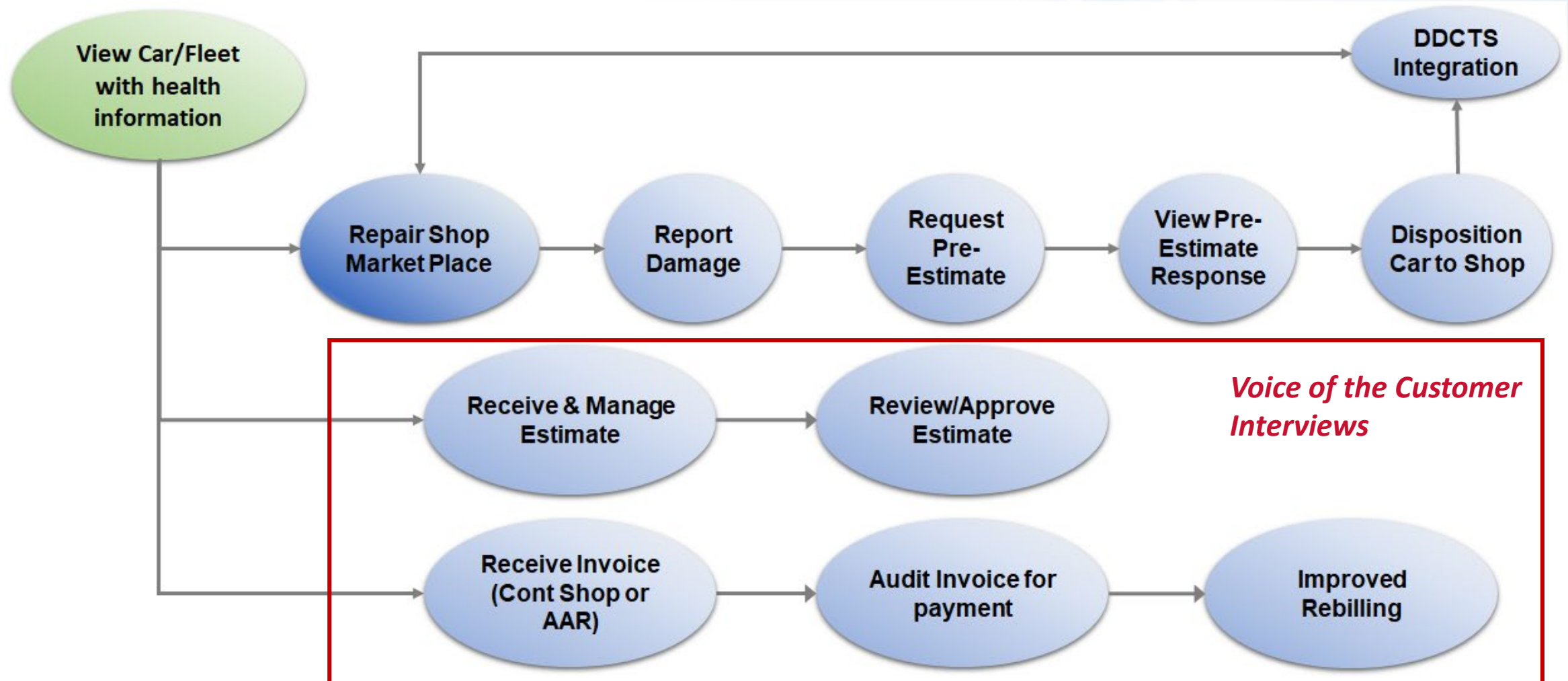
Private Car Owner Focus

- Repair Shop Market Place
- Equipment Health Reporting
 - Bad Ordering Cars to request an estimate
- Contract Shop Data Exchange

Contract Shop Focus

- Contract Shop Integration for VARs
- Contract Shop Data Exchange

CarLogix Fleet Management



Facility: 00014 - BLUE ISLAND

+ Yard Repair

Inspection Order

Air Slip

Print

☐ Show High Priority Only 1

<input type="checkbox"/>	Car ID	Priority	Action	Alert Type	Alert Description	Alert Level	Alert Date	Max Read	LOC	Equipment Type	12-24 Months ABT Due	5-8 Year ABT Due
<input type="checkbox"/>	DME51767	⚠		EW	5340-Inspection and Replacement of Service Portion Brake Valves at age 14 Plus	06				C114	10Sep2018	01Sep2021
				EW	5341-Inspection and Replacement of Emergency Portion Brake Valves at age 14 Plus	06						
<input type="checkbox"/>	PROX638484									T108	18Jun2022	01Jun2025
<input type="checkbox"/>	SOO118068									C114	29Oct2021	01Oct2025
<input type="checkbox"/>	IFRX54373			WILD	Wheel Impact	W	15Aug2020	66.77	04R	C113	20Mar2021	01Mar2025
<input type="checkbox"/>	AOKX497240			WILD	Wheel Impact	O	10Oct2020	84.21	02L	C112	30Mar2022	01Mar2025
				WILD	Wheel Impact	W	19Nov2019	76.82	01R			
				WILD	Wheel Impact	W	02Dec2018	71.85	01L			
				WILD	Wheel Impact	W	11Sep2020	70.9	03L			
<input type="checkbox"/>	DTTX790389									S635	18Mar2020	01Mar2027
<input type="checkbox"/>	DTTX781351			WILD	Wheel Impact	O	27Oct2020	84.91	07R	S169	07Jun2020	01Jun2027
				WILD	Wheel Impact	W	27Oct2020	73.63	05R			
				WILD	Wheel Impact	W	24Oct2020	65.97	09R			

Enter Car

 PROX
 SOO 0001
 IFRX 0001
 AOKX
 DTTX
 DTTX
 DTTX
 DTTX
 CP 0001
 DME
 SOO 0001
 AOK 0001
 DTTX
 DTTX
 BNSF
 NAHX
 CP 0001
 CEFX
 SOO 0001
 PLCX
 CN 0001
 DTTX
 AOK 0001
 TTZX
 HOKX
 00 0001

Q Search

Equipment ID: ABCD0123456789

Time Period: Last 12 Months

Report Damage

Equipment details

Type: Covered Hopper
Status: Active
L/E: Loaded
Commodity: XXXXX - Description
Last Commodity: XXXXX - Description - HM
12-24 Month ABT Due: MM/DD/YYYY
5-8 Year ABT Due: MM/DD/YYYY
Open Actions: 2

Repair history

Last Shopped: MM/DD/YYYY
Components:
Brake Systems #, MM/DD/YYYY
Couplers, Yoke, Draft #, MM/DD/YYYY
Wheels #, MM/DD/YYYY
Trucks #, MM/DD/YYYY
Brake Shoes #, MM/DD/YYYY
Other #, MM/DD/YYYY
Total Expense: \$XXXX

Service activity



Last reported activity

Arrived
South Amana
10 Dec 2019, 13:37 CST

Equipment in South Amana, IA

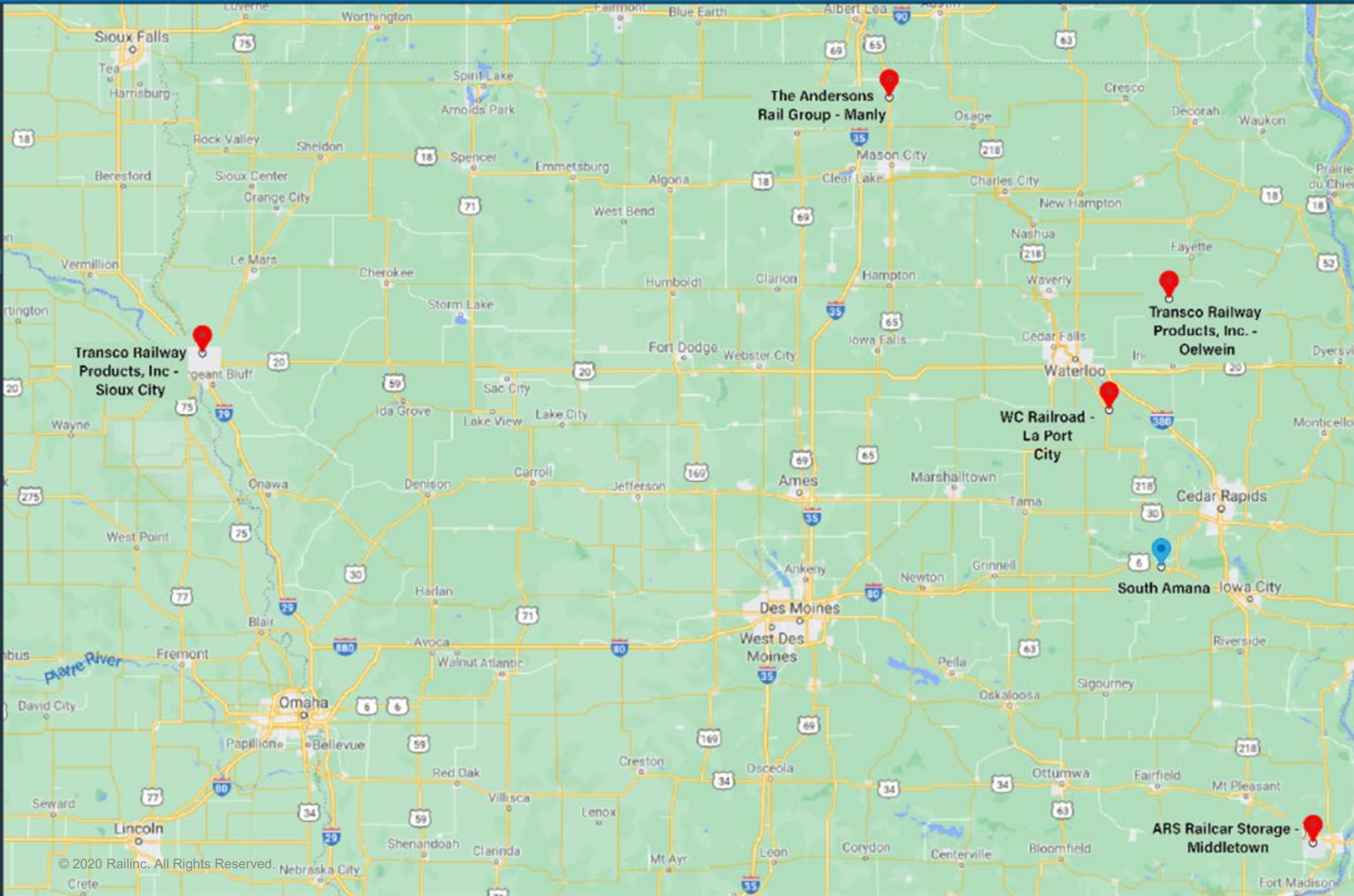


Wheelset usage

	Current	Remaining Est.	Max KIP	Wear Rate
Axle 1	5,134	56,193	L 69.8 R 69.8	L +0.00 R +0.00
Axle 2	23,835	38,776	L XX.X R XX.X	L +0.00 R +0.00
Axle 3	38,776	23,835	L XX.X R XX.X	L +0.00 R +0.00
Axle 4	56,193	5,134	L XX.X R XX.X	L +0.00 R +0.00

Notifications/Reminders

- Wheelset overdue for maintenance
8 Dec 2019, 02:17 CST
- Wheelset needs to be replaced soon
10 Oct 2019, 13:37 CST
- EW 5171
10 Oct 2019, 13:37 CST
- Custom Notification
10 Oct 2019, 13:37 CST



Rail Service Shops

WC Railroad
4.5 ★★★★★ (6)
La Porte City, IA
No Hazmat
Open until 6:00 PM

Transco Railway Products, Inc
3.7 ★★★★★ (19)
Sioux City, IA
No Hazmat
[Mobile Services Available](#)
Open until 6:00 PM

ARS Railcar Storage
4.2 ★★★★★ (29)
Middletown, IA
No Hazmat
Open until 5:30 PM

The Andersons Rail Group
3.9 ★★★★★ (9)
Manly, IA
No Hazmat
Closed - Opens tomorrow at 7:00 AM

Transco Railway Products, Inc
3.5 ★★★★★ (8)
Oelwein, IA
No Hazmat
Open until 7:00 PM

Reporting and Analytics

Gregg Phillips



RAILINC

Equipment Health Data for PCOs



System	Data Type	How To Get It AAR Systems	Commercial Services	Benefits
EHMS	WILD, ABD, THD, WPD Alerts	EHMS data subscriptions Web Services EHMS UI	Fleet Health Reporting CARS web service Dashboards	Monitor equipment component health
Early Warning (EW)	EW, MA	EW message subscriptions Web Services EW UI	Fleet Health Reporting CARS web service Dashboards	Monitor equipment affected by EW/MA activity
DDCTS	Incident Reports	DDCTS message subscriptions Web Services DDCTS UI	Fleet Health Reporting Custom solutions	Monitor status of DDCT incidents
Inspection Quality (IQ)	Detailed wheel impact reads	Daily summary reports by email or FTP	Dashboarding Custom Solutions	Wheel health trending
All	Custom alerts		Fleet Health Reporting Custom Solutions	Monitor critical items

PCO Use of Equipment Health Data



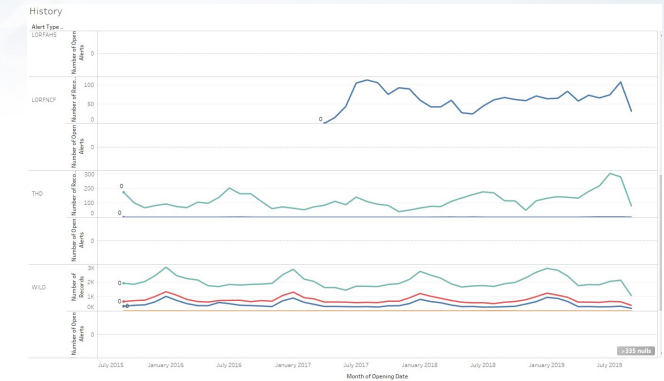
- Large shipper/car owner subscribes to Fleet Health data
 - Summary of equipment health alerts, EW/MA activity, equipment location
- Supported holistic analysis of fleet health
- Identified top priority activities (wheelset changes)
- Enabled planned maintenance at preferred location and costs
- Allows car owner to better direct work of car repair service contractors
- Integrated data into plant and yard operations systems
- Significant savings in maintenance spending



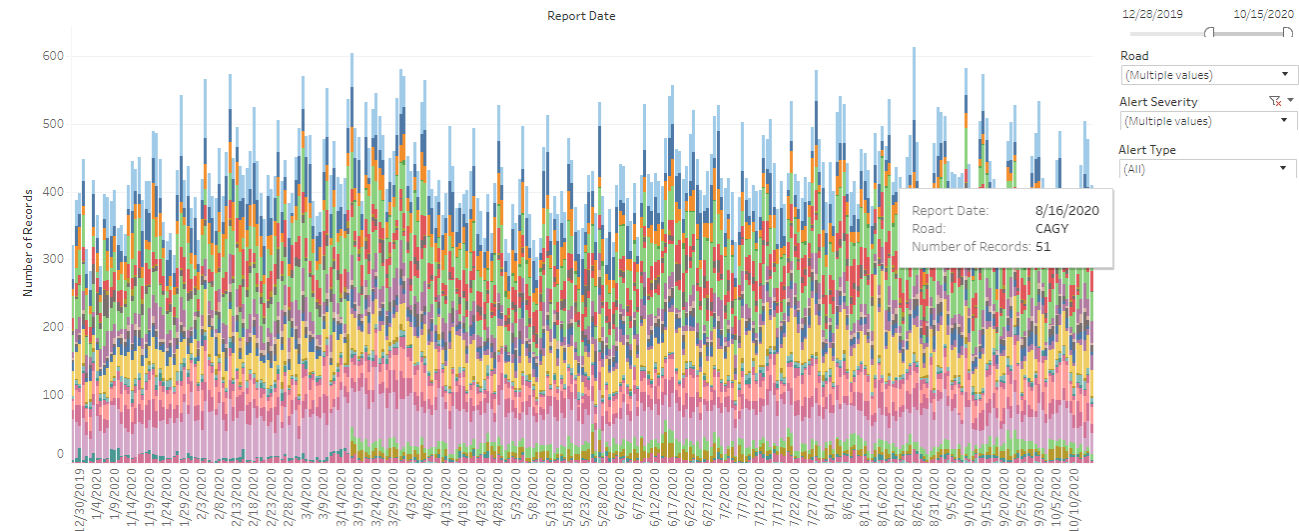
Equipment Performance Analysis



- Analyzes performance of full fleet or defined sub-fleets
 - Component life
 - Failure modes
 - Configuration performance
 - Geographic and service type analysis
 - Repair cost per mile modeling



Southern Region Alert History



Railinc Fleet Health Services

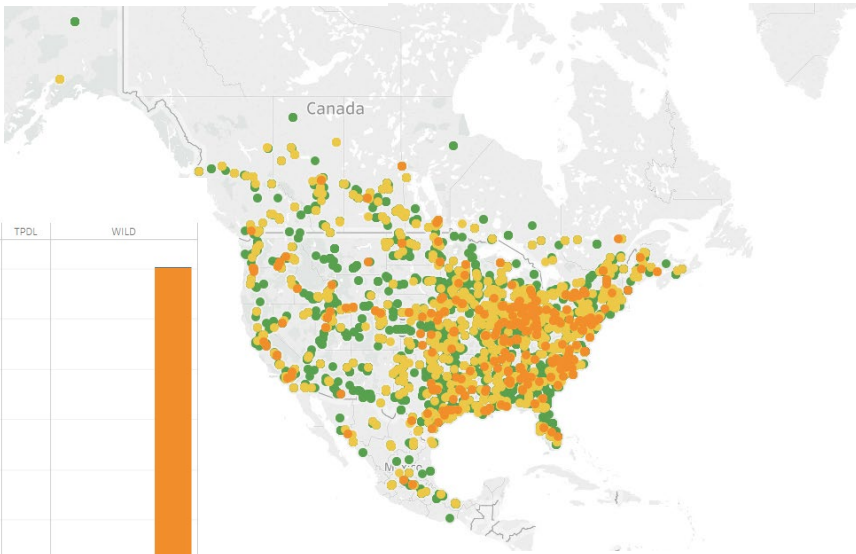
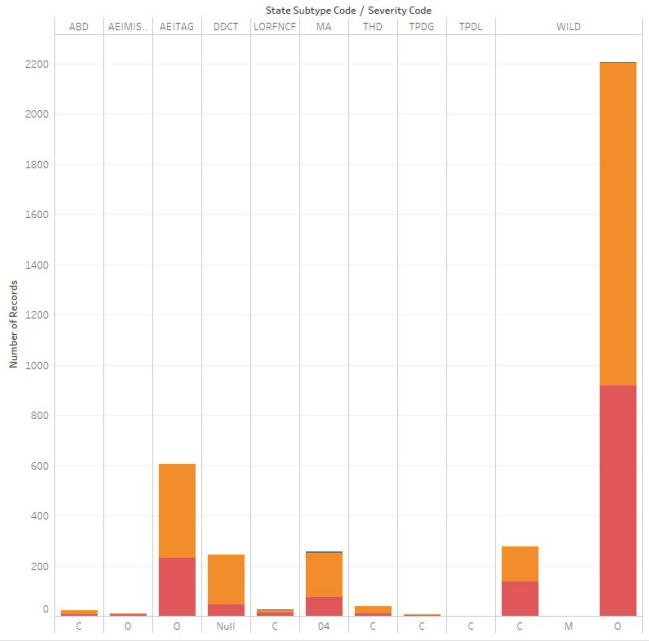


- Decision-ready data from industry movement, health, and characteristics systems
- Solutions from data feeds to interactive web-based analysis tools
- Customizable to support optimal decisions

Handling Road

Current Ro..	State Subtype Code / Severity Code										WILD		Grand Total
	ABD	AEIMIS..	AEITAG	DDCT	LORFNCF	THD	TPDG	TPDL	C	M	O		
BNSF	2	2	36	20	1	2			14		126		203
CN	2		24	19		2			7		197		251
CPRS	1		24	6					8		95		134
CSXT	6	1	81	16		5			66		326		501
KCS	1		10	4	4				3		34		56
NS	6		164	36	1	9	8		67	1	404		696
UP	2		51	30	16	7		1	37		304		448
Grand Total	20	3	390	131	22	25	8	1	202	1	1,486		2,289

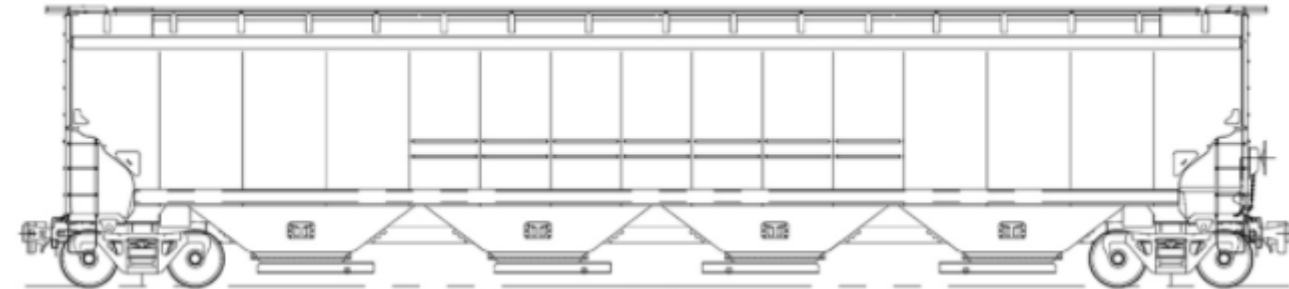
Open Health Issues



Remaining Useful Component Life



- Machine learning-based analysis of wheelset condition
- Improve wheelset replacement decisions
 - Web service for integration to applications
 - Feature within Railinc applications (CarLogix, RailSight)



Wheelset 1
Alert Level: O
MTC (P66): 30,000
MTC (P80): 45,000
MTC (P95): 70,000

Wheelset 2
Alert Level: NA
MTC (P66): 125,000
MTC (P80): 150,000
MTC (P95): 175,000

Wheelset 3
Alert Level: W
MTC (P66): 45,000
MTC (P80): 60,000
MTC (P95): 85,000

Wheelset 4
Alert Level: O
MTC (P66): 7,500
MTC (P80): 15,000
MTC (P95): 30,000

Reporting and Analytics



Tax and Regulatory

- Speed studies, location, and equipment utilization

Components

- Component removals and applications

Lease Support

- Equipment utilization analysis

Cost Forecasting

- A/P and A/R forecasting

Custom

- Custom reporting and predictive analytics

AI Support – Areas of Investigation



- Equipment Repair
 - Component change prioritization
 - A/P and A/R forecasting
 - Audit automation
 - Shop planning and optimization
- Fleet Planning
 - Equipment demand
 - Lease pricing

Railinc Training Institute

Paul Ransdell



RAILINC

Training Overview



Background:

- Historically years of engagements with customers highlighted a need for consulting/training
- Especially true for customers new to rail
- A more formalized internal training program with Andy Adams as instructor has been a big success and received positive feedback from Railinc personnel that have attended

VOC and Research:

- VOC's (Voice of the Customer) calls held with existing customers to gauge level of interest if such a training program were offered
- Overwhelming sentiment that all would have taken advantage of such training were it available
- Course format: Remote training (Zoom). Eventually in person and e-modules may be possible

Course Offerings:

- <https://public.railinc.com/products-services/railinc-training-institute>
 - Railroading Operations (Rail 101)
 - Loaded Railcar Shipment Cycle
 - Intermodal Operations
 - Customized Training
- Iterative approach to be taken as we conduct the sessions. Customer surveys conducted afterwards help to refine and improve the process

Conclusion

Sarah Cleary



RAILINC

Railinc Customer Success Center



Railinc Customer Success Center
Available Monday-Friday, 7:00am-7:00pm Eastern

After-hours emergency support is available nights, weekends, and holidays

1-877-RAILINC (724-5462)

csc@railinc.com

Railinc Keeps You Moving.

Name	Title/SME	Email	Phone
Kristi Talley	Director, Customer Experience	Kristi.Talley@railinc.com	919-651-5024
Rick Gambrill	Business Analyst II, DDCT / Equipment Advisory	Rick.Gambrill@railinc.com	919-651-5115
Kyle Tubman	Business Analyst II, OT-57	Kyle.Tubman@railinc.com	919-651-5170
Clay Miller	Product Manager, Umler / Tank Car	Clayton.Miller@railinc.com	919-651-5249
Danielle Crowley	Manager, Customer Success Center	Danielle.Crowley@railinc.com	919-651-5114
Alan McDonald	Director, Business Services, Customer Service Committee Studies	Alan.McDonald@railinc.com	919-651-5004
Robin McFalls	Product Manager, CarLogix	Robin.McFalls@railinc.com	919-651-5314
Gregg Phillips	Product Manager, Reporting Services	Gregg.Phillips@railinc.com	919-651-5269
Paul Ransdell	Solutions Engineer - Team Lead, Railinc Training Institute	Paul.Ransdell@railinc.com	919-651-5077
Sarah Cleary	Customer Relations Analyst, PCO Coordinator	Sarah.Cleary@railinc.com	919-651-5362
Railinc Customer Success Center	24x7 Customer Support	csc@railinc.com	877-724-5462

