Early Warning

The Early Warning/Maintenance Advisory (EW/MA) System provides a method for the rail industry to identify mechanical problems on rail equipment which could impede the safe movement or handling of the equipment.

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc Corp. All rights

Early Warning Allows Standard Users

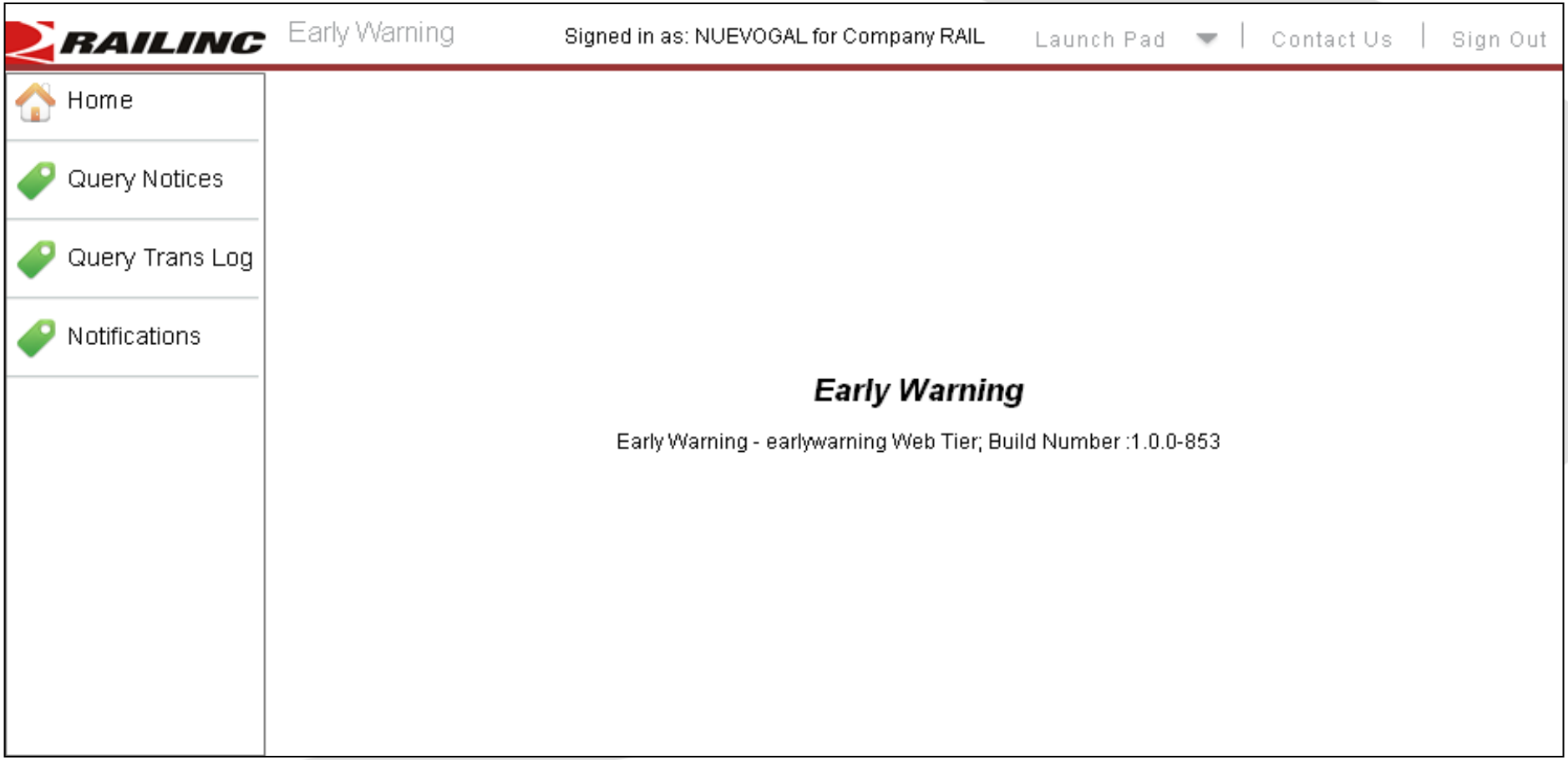
- Query Existing Maintenance Advisories (MAs) and Early Warnings (EWs).
- View Transaction Logs and Details
- View E-mail Notifications and Add/Remove Local Recipients

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc Corp. All rights

Early Warning Home Page



©Railinc 2013 All Rights Reserved

© 2011 Railinc

Notices Query

RAILINC Early Warning

Signed in as: techwrit for Company RAIL | Launch Pad | Contact Us | Sign Out

- Home
- Create Notice
- Report Inspection
- Query Notices
- Query Trans Log
- Notifications

Early Warning Query

Basic Query

- (•) Notice View
- ( ) Equipment View

Notice Type:
- ( ) Early Warning (EW)
- ( ) Maintenance Advisory (MA)
- (•) Both

Notice Numbers:

Equipment IDs:

Show Advanced Query

Partial Title/Text:

Output To:
- (•) Browser
- ( ) CSV

Maximum Number of Results (Browser Only): 1000

(Note: > 1000 results must be output to CSV)

Search | Count | Reset | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Notice Numbers

Notice Numbers ×

Multi-select notice numbers:

Type	Number	Notice Title
EW	5151	Tank Cars with Questionable Side Bearing Clearance
EW	5145	Cracks In 100 Ton Buckeye Truck Bolsters in Barber S-2-D or S-2-HD
MA	0146	Second Test
MA	0145	Test For Back
MA	0144	ABT Needed
MA	0143	ABT needed for RAIL Box Cars
MA	0142	Test expiration2
MA	0141	User Story 6586 Test
MA	0140	QA test multiple
MA	0139	Test Translog
MA	0138	CPRS IV
MA	0137	CPRS III
MA	0136	Notice No 1
MA	0135	MA Query II

Submit

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Advanced Query

Hide Advanced Query

Partial Title/Text:

Advanced Query

Umler Data

Mechanical Designations:

Umler Owners:

EINs:

Lessees:

Maint Parties:

Equip Status:

- Active
- Inactive
- Pre-registered

Mark Owners:

Equipment Assigned: From: To:

Equipment Inspected: From: To:

Inspection Status - Show Equipment With: All Inspections

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Mechanical Designations

Find All Mechanical Designations ×

Multi-select mechanical designations:

Code	Description
XL	Box- Loader Equipped, with securements and/or with permanently attached moveable bulkheads
XM	Box-General Service
XLI	Box-Insulated Loader Equipped, with securements and/or permanently attached moveable bulkheads
XPI	Box-Insulated, Specially Equipped for Specific Commodities
XF	Box-Non-Insulated with Smooth Durable Surface to Prevent Contamination
XP	Box-Non-Insulated, Specially Equipped for Specific Commodities
RB	Box-Refrigerator (Bunkerless)
RBL	Box-Refrigerator (Bunkerless) with loading or stowing device
RP	Box-Refrigerator (Mechanical)
RPL	Box-Refrigerator (Mechanical) with loading or stowing device
RC	Box-Refrigerator using cryogen
LU	Box-Special Design for heavy duty support of retractable overhead doors
LC	Box-Special Design with side doors and roof hatches
FB	Flat-Bulkhead

Submit

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Query Notices – Buttons

Early Warning Query

Basic Query

- (•) Notice View
- ( ) Equipment View

Notice Type:
- ( ) Early Warning (EW)
- ( ) Maintenance Advisory (MA)
- (•) Both

Notice Numbers: 0140-0146

Equipment IDs:

Show Advanced Query

Partial Title/Text:

Output To:
- (•) Browser
- ( ) CSV

Maximum Number of Results (Browser Only): 1000

(Note: > 1000 results must be output to CSV)

Search | Count | Reset | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Query Results – Notice View

Query Notices Result

Confirmation

Showing 7 records that match the query input.

Notice Type	Notice #	Supp #	Eff Date	Exp Date	Equip Assn	Equip Curr Assi	Sev Code	File #	Title
MA	0146		06/23/2011	06/23/2012	1		03	RAIL000126	Second Test
MA	0145	01	06/23/2011	06/23/2012	1		03	RAIL000125	Test For Back
MA	0144		06/22/2011	06/22/2012	2		03	RAIL000124	ABT Needed
MA	0143	01	06/30/2011	01/31/2012	13	13	05	RAIL000123	ABT needed for
MA	0142		06/21/2011	06/27/2012			02	TstExp10	Test expiration2
MA	0141		06/20/2011	06/20/2012			03	12345	User Story 658
MA	0140		06/16/2011	06/16/2012	22	20	03	QAtst-789-Y1	QA test multiple

Default Sort Back

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Notice Detail (MA or EW)

Notice View MA-0143 Supplement 01

EW / MA Letter Preview

Association of American Railroads

June 30, 2011
MA-0143 Supplement 01

Subject: ABT needed for RAIL Box Cars

To: Members and Private Car Owners

File Number: RAIL000123

This equipment needs ABT before January 31, 2012

In accordance with AAR Interchange Rule 125 procedures in effect July 22, 2002, this Early Warning is assigned SEVERITY CODE:

05-Withhold empty car from loading-inspect

Equipment Attachments

Assignment Marks associated with this notice:

Equipment Owner Only

Assign Equipment | Create Supplement | Attachments | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Viewing Attachments

Attachments ×

Attached Files for MA 0143

File Name	Size (bytes)	User ID	Date	Comment	Remove
fieldsizecheck.docx	10920	NUEVOGAL	04/08/2011	Test for Attach File	Remove

Attach a File

Browse...

Comment:

Attach

Close

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Count Results - Notices

Early Warning Query

Confirmation

There are 7 records matching your query input.

Basic Query

- (•) Notice View
- ( ) Equipment View

Notice Type:
- ( ) Early Warning (EW)
- ( ) Maintenance Advisory (MA)
- (•) Both

Notice Numbers: 0140 0141 0142 0143 0144 0145 0146

Equipment IDs:

Show Advanced Query

Partial Title/Text:

Output To:
- (•) Browser
- ( ) CSV

Maximum Number of Results (Browser Only): 1000

(Note: > 1000 results must be output to CSV)

Search | Count | Reset | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Equipment Query

Early Warning Query

Basic Query

- ○ Notice View
- ◉ Equipment View (Needs notice number, equipment ID, or Umler field)

Notice Type:
- ○ Early Warning (EW)
- ○ Maintenance Advisory (MA)
- ◉ Both

Notice Numbers: 0143

Equipment IDs:

Show Advanced Query

Partial Title/Text:

Output To:
- ◉ Browser
- ○ CSV

Maximum Number of Results (Browser Only): 1000

(Note: > 1000 results must be output to CSV)

Search | Count | Reset | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Query Results – Equipment View

Equipment View

Confirmation

Showing 13 records that match the query input.

Equipment ID	Notice ID	Mark Owner	Lessee	Mech Desig	Equip Status	Assignment Date	Inspection Date	Inspection Code	Inspection Reporter	EIN
RAIL 301	MA0143	RAIL		XL	A	06/22/2011				0009601809
RAIL 302	MA0143	RAIL		XL	P	06/22/2011				0009525071
RAIL 303	MA0143	RAIL		XL	P	06/22/2011				0009525232
RAIL 304	MA0143	RAIL		XL	P	06/22/2011				0009525233
RAIL 305	MA0143	RAIL		XL	P	06/22/2011				0009525234
RAIL 401	MA0143	RAIL		XL	A	06/22/2011				0009525072
RAIL 402	MA0143	RAIL		XL	A	06/22/2011				0009525073
RAIL 403	MA0143	RAIL		XL	A	06/22/2011				0009525117
RAIL 404	MA0143	RAIL		XL	A	06/22/2011				0009525118
RAIL 405	MA0143	RAIL		XL	A	06/22/2011				0009525119
RAIL 1402	MA0143	RAIL		XL	P	06/22/2011				0009525357
RAIL 1404	MA0143	RAIL		XL	I	06/22/2011				0009525118
RAIL 4405	MA0143	RAIL		XL	I	06/22/2011				0009525119

Default Sort | Report Inspections | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Count Results - Equipment

Early Warning Query

Confirmation

There are 1861 records matching your query input.

Basic Query

- ○ Notice View
- ◉ Equipment View (Needs notice number, equipment ID, or Umler field)

Notice Type:
- ○ Early Warning (EW)
- ○ Maintenance Advisory (MA)
- ◉ Both

Notice Numbers: 5212

Equipment IDs:

Show Advanced Query

Partial Title/Text:

Output To:
- ◉ Browser
- ○ CSV

Maximum Number of Results (Browser Only): 1000

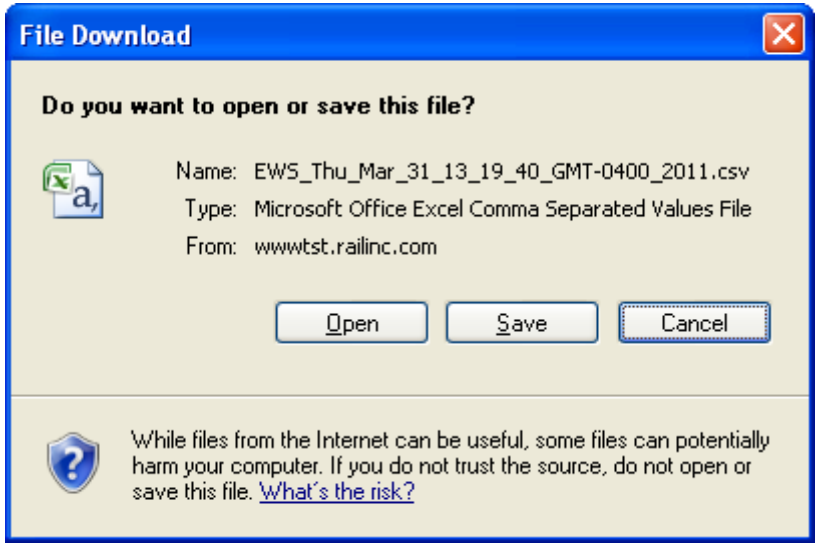
(Note: > 1000 results must be output to CSV)

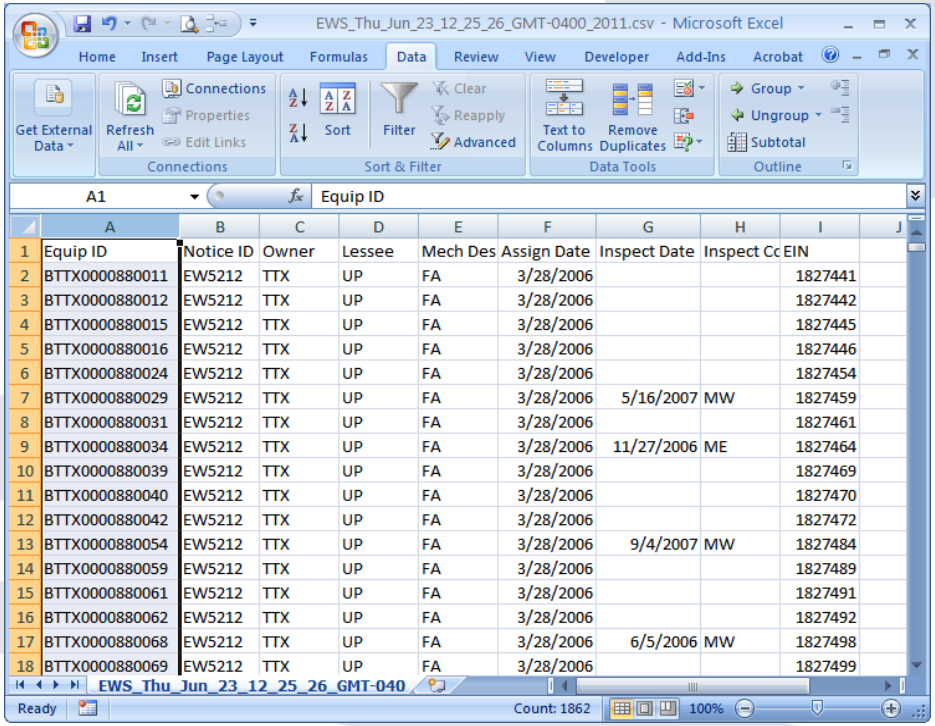
Search | Count | Reset | Back

©Railinc 2013 All Rights Reserved

© 2011 Railinc

CSV Download



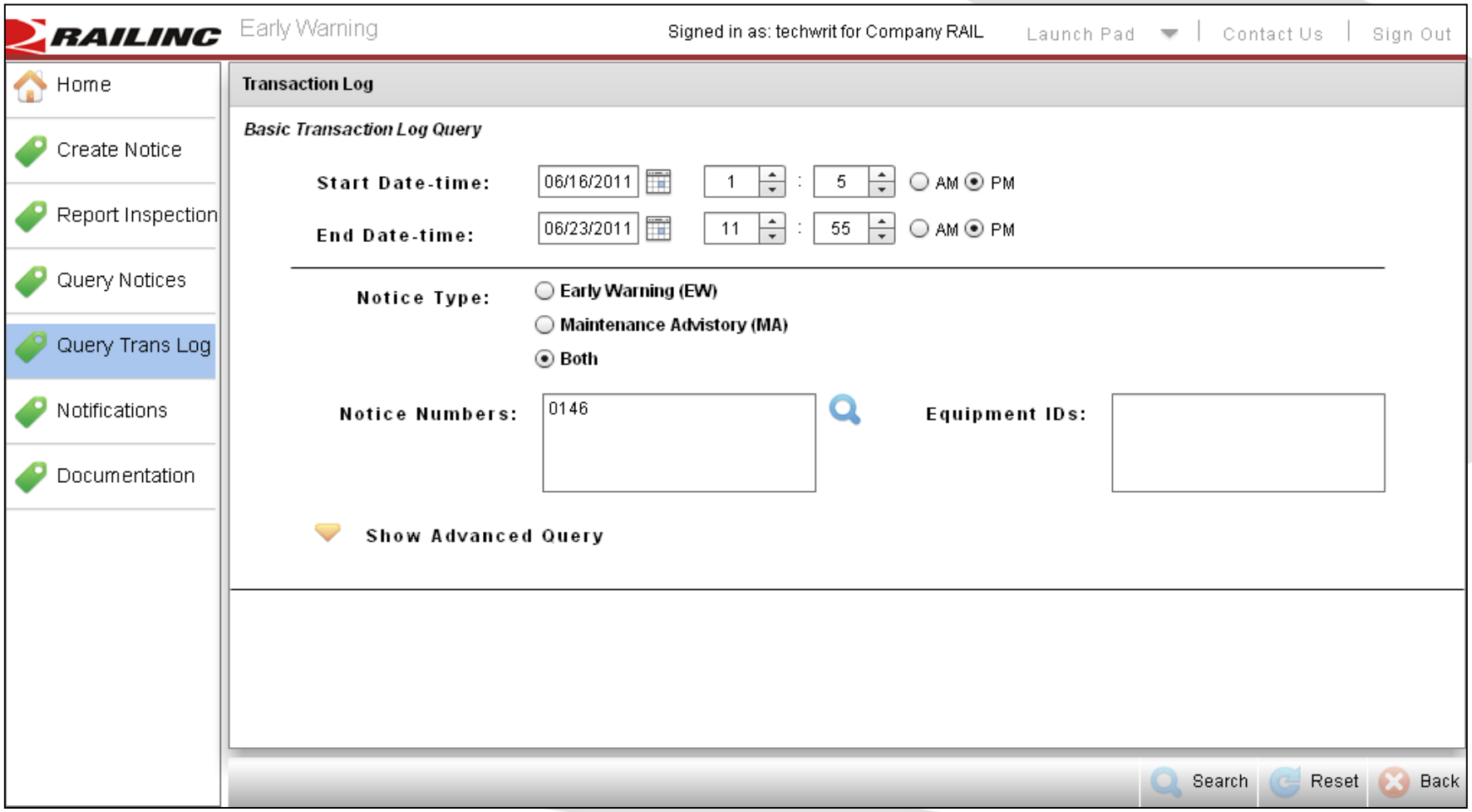


	A	B	C	D	E	F	G	H	I
1	Equip ID	Notice ID	Owner	Lessee	Mech Des	Assign Date	Inspect Date	Inspect Cc	EIN
2	BTTX0000880011	EW5212	TTX	UP	FA	3/28/2006			1827441
3	BTTX0000880012	EW5212	TTX	UP	FA	3/28/2006			1827442
4	BTTX0000880015	EW5212	TTX	UP	FA	3/28/2006			1827445
5	BTTX0000880016	EW5212	TTX	UP	FA	3/28/2006			1827446
6	BTTX0000880024	EW5212	TTX	UP	FA	3/28/2006			1827454
7	BTTX0000880029	EW5212	TTX	UP	FA	3/28/2006	5/16/2007	MW	1827459
8	BTTX0000880031	EW5212	TTX	UP	FA	3/28/2006			1827461
9	BTTX0000880034	EW5212	TTX	UP	FA	3/28/2006	11/27/2006	ME	1827464
10	BTTX0000880039	EW5212	TTX	UP	FA	3/28/2006			1827469
11	BTTX0000880040	EW5212	TTX	UP	FA	3/28/2006			1827470
12	BTTX0000880042	EW5212	TTX	UP	FA	3/28/2006			1827472
13	BTTX0000880054	EW5212	TTX	UP	FA	3/28/2006	9/4/2007	MW	1827484
14	BTTX0000880059	EW5212	TTX	UP	FA	3/28/2006			1827489
15	BTTX0000880061	EW5212	TTX	UP	FA	3/28/2006			1827491
16	BTTX0000880062	EW5212	TTX	UP	FA	3/28/2006			1827492
17	BTTX0000880068	EW5212	TTX	UP	FA	3/28/2006	6/5/2006	MW	1827498
18	BTTX0000880069	EW5212	TTX	UP	FA	3/28/2006			1827499

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Query Transaction Log



RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Transaction Log Query Results

Transaction Log Query

Confirmation

Showing 3 records that match the query input.

Results Summary

Select	Log ID	Log Timestamp	Transaction Type	Notice Type	Notice Number	Company	User ID
☐	109135	06/23/2011 07:59:58 AM	9002 - Inspection	MA	0146	RAIL	techwrit
☐	109134	06/23/2011 07:53:53 AM	9001 - Assignment	MA	0146	RAIL	techwrit
☐	109133	06/23/2011 07:53:53 AM	9000 - Create Notice	MA	0146	RAIL	techwrit

Default Sort | CheckAll | UncheckAll | Backout Inspections | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Notifications

RAILINC Early Warning

Signed in as: techwrit for Company RAIL | Launch Pad | Contact Us | Sign Out

- Home
- Create Notice
- Report Inspection
- Query Notices
- Query Trans Log
- Notifications
- Documentation

Configure Notifications

Notification Code	Notification Description	Email Addresses
110	EW/MA Notice has been created.	parthu.janardhanan@railinc.com;sheetal.kedia@railinc.com;
120	Supplemental Early Warning Notice created	parthu.janardhanan@railinc.com;sheetal.kedia@railinc.com
210	Equipment has been assigned to a notice	sheetal.kedia@railinc.com;
220	Equipment has been removed from a notice	parthu.janardhanan@railinc.com;sheetal.kedia@railinc.com;
310	EW/MA Notice expires in 30 days	shawn.madden@railinc.com;sheetal.kedia@railinc.com
320	EW/MA Notice expires in 10 days	shawn.madden@railinc.com;sheetal.kedia@railinc.com
330	EW/MA Notice has expired	shawn.madden@railinc.com;sheetal.kedia@railinc.com

Save | Back

©Railinc 2013 All Rights Reserved

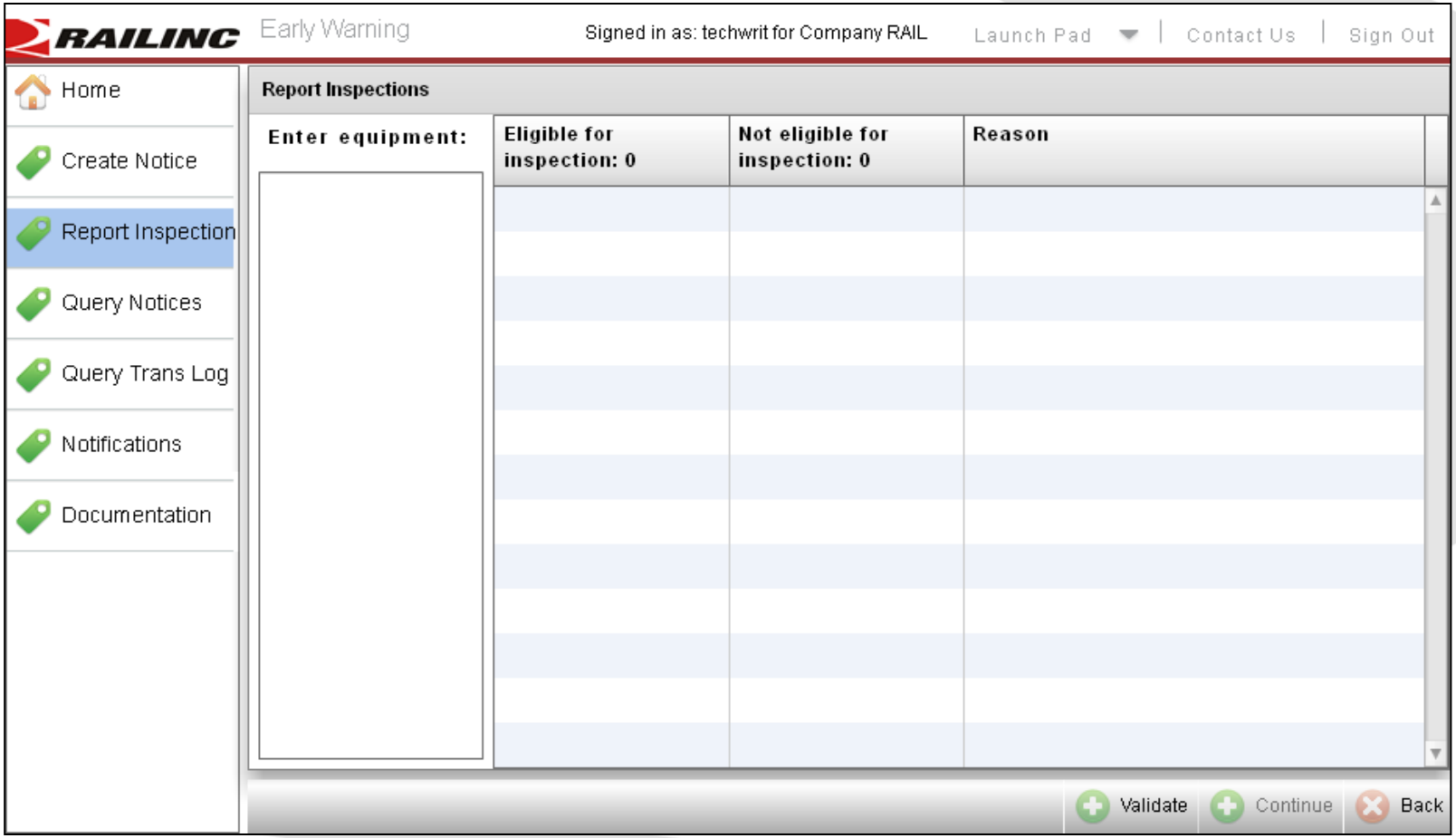
© 2011 Railinc

Reporting an Inspection

©Railinc 2013 All Rights Reserved

© 2011 Railinc

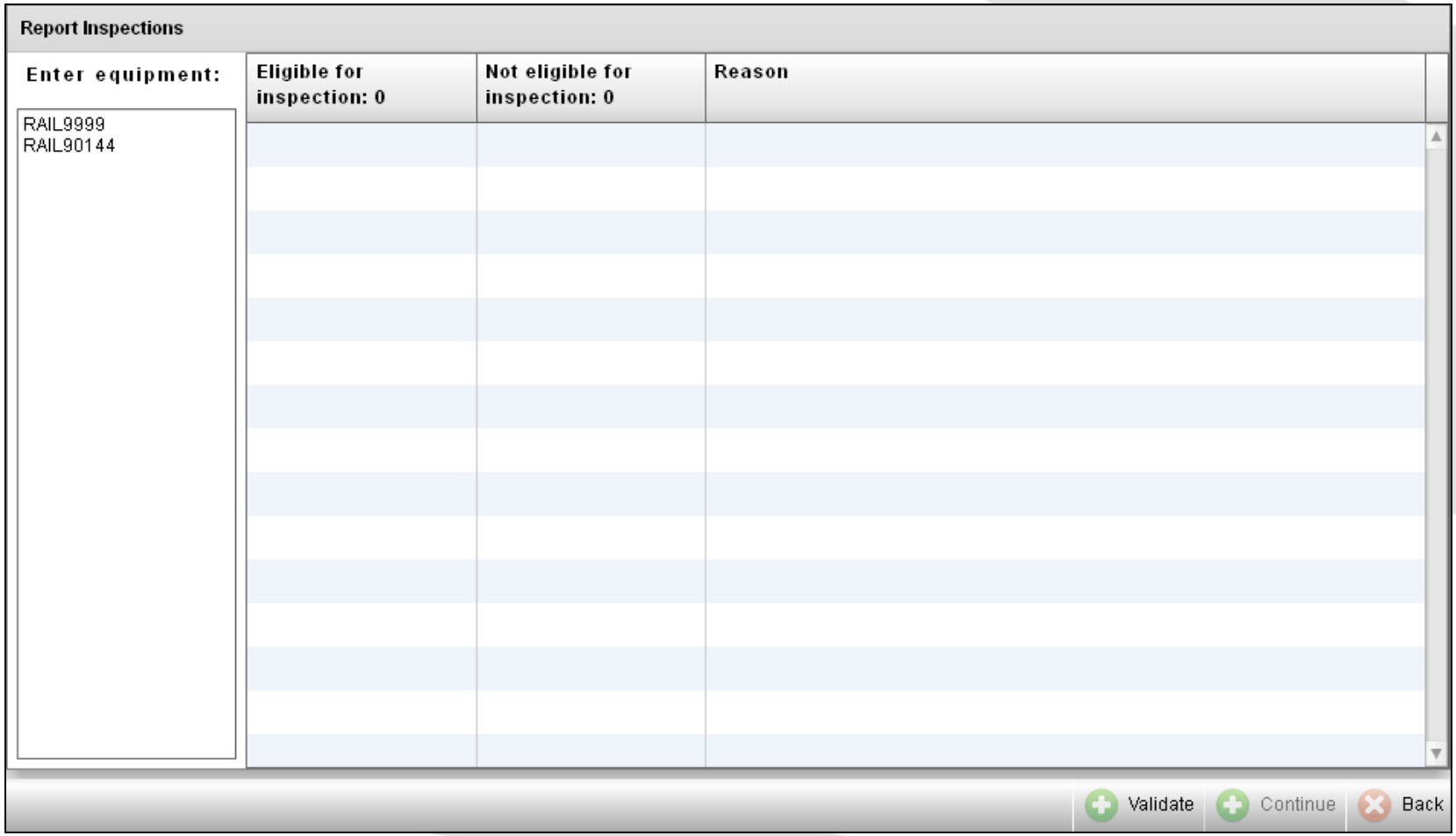
Report Inspection from Menu



©Railinc 2013 All Rights Reserved

© 2011 Railinc

Entering Equipment IDs



©Railinc 2013 All Rights Reserved

© 2011 Railinc

Validating Equipment IDs

Report Inspections

Enter equipment:

Eligible for inspection: 2	Not eligible for inspection: 0	Reason
RAIL 9999		
RAIL 90144		

Validate Continue Back

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Entering Inspection Data

Report Inspections

Equipment ID	Notice Type	Notice Number	Inspection Date	Inspection Code	Message
RAIL0000009999	MA	0144		Select Inspection Code	
RAIL0000090144	MA	0144		Select Inspection Code	

Inspection Code copy down | Inspection Date copy down | Validate Inspection | Submit Inspection | Back

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Validating Inspection

Report Inspections

Equipment ID	Notice Type	Notice Number	Inspection Date	Inspection Code	Message
RAIL0000009999	MA	0144	06/22/2011	MR-CAR INSPECTED, RETURN CAR TO ...	Inspection Validation Successful
RAIL0000090144	MA	0144	06/22/2011	MR-CAR INSPECTED, RETURN CAR TO ...	Inspection Validation Successful

Inspection Code copy down | Inspection Date copy down | Validate Inspection | Submit Inspection | Back

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Submitting Inspections

Inspection Confirmation

Equipment ID	Notice Type	Notice Number	Inspection Code	Inspection Date	Message
RAIL0000009999	MA	0144	MR-CAR INSPECTED, RETURN CAR TO SERVICE	06/22/2011	Inspection transaction submitted Successfully
RAIL0000090144	MA	0144	MR-CAR INSPECTED, RETURN CAR TO SERVICE	06/22/2011	Inspection transaction submitted Successfully

Done

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Back Out Inspection

Transaction Log Query

Confirmation

Showing 3 records that match the query input.

Results Summary

Select	Log ID	Log Timestamp	Transaction Type	Notice Type	Notice Number	Company	User ID
☑	109135	06/23/2011 07:59:58 AM	9002 - Inspection	MA	0146	RAIL	techwrit
☐	109134	06/23/2011 07:53:53 AM	9001 - Assignment	MA	0146	RAIL	techwrit
☐	109133	06/23/2011 07:53:53 AM	9000 - Create Notice	MA	0146	RAIL	techwrit

Default Sort | Check All | Uncheck All | Backout Inspections | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Back Out Inspection

Backout Inspections

Equipment ID	Notice Type	Notice Number	Inspection Date	Inspection Code	Message
RAIL0000090144	MA	0146	06/23/2011	MF-FINAL INSPECTION REPORTED IN ERROR.	

Validate Inspection | Submit Inspection | Back

RAILINC

©Railinc 2013 All Rights Reserved

© 2011 Railinc

Back Out Inspection

Transaction Log Query

Confirmation

Showing 6 records that match the query input.

Results Summary

Select	Log ID	Log Timestamp	Transaction Type	Notice Type	Notice Number	Company	User ID
☐	109148	06/23/2011 01:39:29 PM	9000 - Create Notice	MA	0146	RAIL	techwrit
☐	109144	06/23/2011 01:11:15 PM	9001 - Assignment	MA	0146	RAIL	techwrit
☐	109143	06/23/2011 01:11:15 PM	9002 - Inspection	MA	0146	RAIL	techwrit
☐	109135	06/23/2011 07:59:58 AM	9002 - Inspection	MA	0146	RAIL	techwrit
☐	109134	06/23/2011 07:53:53 AM	9001 - Assignment	MA	0146	RAIL	techwrit
☐	109133	06/23/2011 07:53:53 AM	9000 - Create Notice	MA	0146	RAIL	techwrit

Default Sort | CheckAll | UncheckAll | Backout Inspections | Back

RAILINC

©Railinc 2013 All Rights Reserved

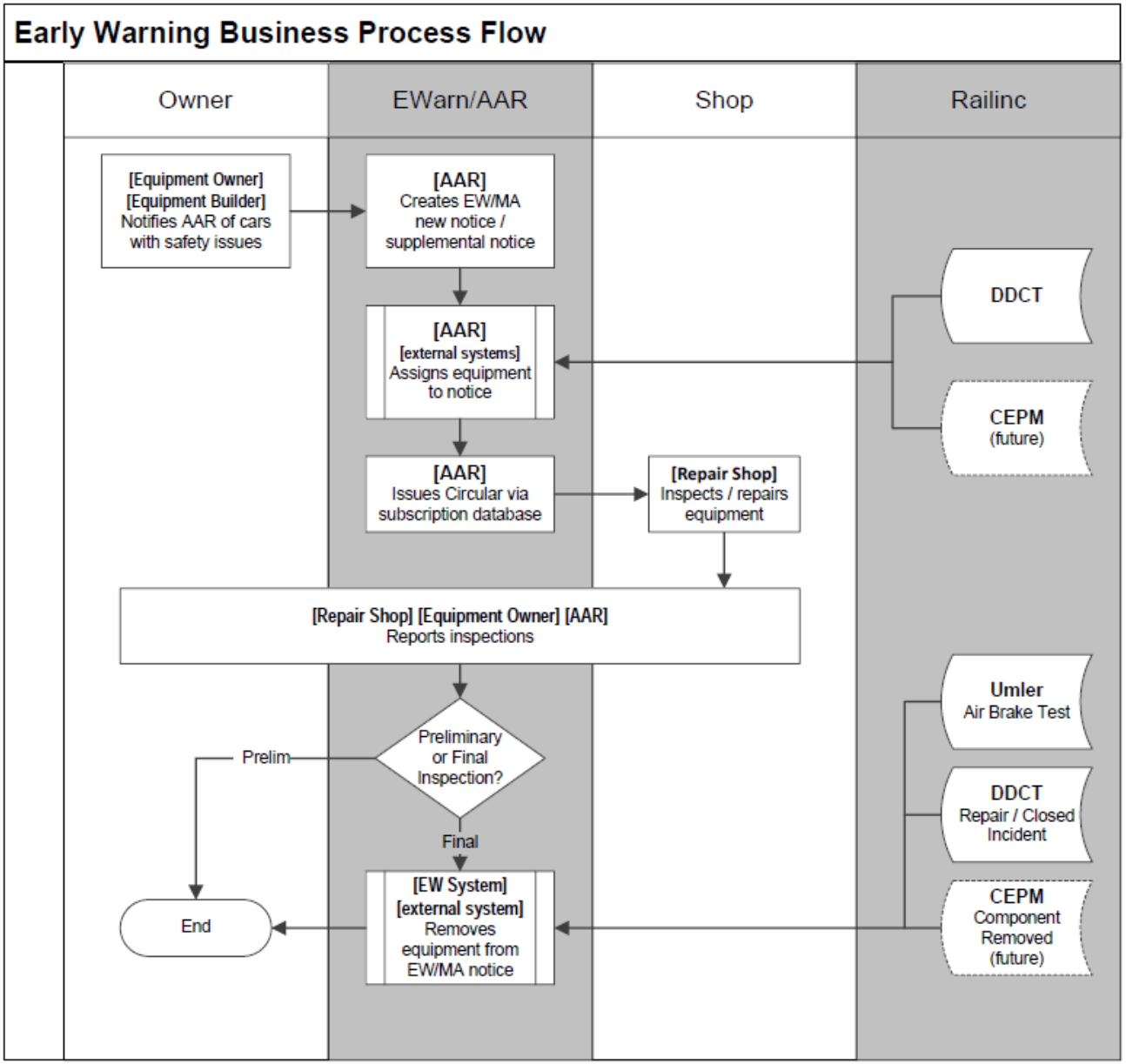
© 2011 Railinc

EW System – Process

- AAR is made aware of equipment with safety issues.
- AAR creates Maintenance Advisory (MA) or Early Warning (EW) notice depending on severity.
- Equipment is assigned to the notice.
- Industry receives AAR Circular or Tickler or Messaging
- Shops inspect/repair equipment. Reporting a final inspection (also removing equipment from Umler) removes equipment from notice.

RAILINC

©Railinc 2013 All Rights Reserved



©Railinc 2013 All Rights Reserved

MA-0146

- Inspection & Repair of Suspect Bad Actor Undesired Emergency Brake Application
  - Brakes go in to emergency on line-of-road
  - Focus on “No Cause Found” trains
- 180 cars added to MA
  - 30 were removed manually at car owner request
  - 25 have been inspected to-date
  - 125 remain on the notice
- Industry TAG formed to study methods to identify equipment causing the line-of-road failures (LORF)
- Participants:
  - Class I roads
  - One private car owner

RAILINC

©Railinc 2013 All Rights Reserved

MA-0146 (continued)

- Network data important for identifying bad actors sooner due to interchanged equipment
- Railinc worked with TAG members to develop algorithm for identifying suspect equipment
- Current algorithm:
  - Heavy weight given to number of unique car groupings
  - Car Group = 3 cars = lead/middle/trailing
  - The more LORF a car is involved in with unique grouping narrows the car down as a “suspect”

RAILINC

©Railinc 2013 All Rights Reserved

MA-0146 (continued)

- There may be subsequent phases of the study to refine the algorithm
- Goal: to find an algorithm that can identify suspect bad actors with some degree of confidence.
- Benefits include increased network efficiency

RAILINC

©Railinc 2013 All Rights Reserved

Notice Supplements

- Created when a change is made to the content of a notice after the notice has been issued.
- Not created when equipment is added to or removed from a notice.
- Numbered sequentially, e.g. EW-5232 Supplement 01.
- Only the latest supplement is retained in the system.

RAILINC

©Railinc 2013 All Rights Reserved

Inspections

- 2-letter Activity Code from Rule 125
- Not just an “inspection”
- Preliminary (open) vs. Final
- Some unique to MA, some to EW. Most apply to both.
- Some reserved for AAR to report.

RAILINC

©Railinc 2013 All Rights Reserved

Automatic Notices

- Umler ABT:
    - MA-63, EW-5171
- DDCT:
    - MA-124, MA-125, MA-127, MA-128
- These notices are not updated in EW by the user, they are updated directly by Umler/DDCT.
- These notices never expire.

RAILINC

©Railinc 2013 All Rights Reserved

Notice Expiration

- Default Expiration periods:
  - 1 year for MAs
  - 90 days for EWs
- MA expiration:
  - Corresponding EW created (90 days)
  - Cars removed from MA, added to new EW
- EW expiration:
  - Cars restricted from interchange (XX in Umler)

RAILINC

©Railinc 2013 All Rights Reserved