



XIX EXPORAIL 2020

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Unimos la Industria de México



Alert Management Modernization

Expo Rail



Alert Management Modernization (AMM)

- Existing Early Warning System Functionality
- Why make a change
- Proposed changes
- How will the new application function
- Update on AMM Project

Existing Early Warning System Functionality

- Notice based (severity)
- Only two types of notices
- Multiple notices for same issue
- TRAIN II messaging is difficult to change
- Manual process of throttling cars onto notices

Why Make a Change

- Ability to view all cars on an advisory
- Remove need for duplicate advisories
- Simplification of severity codes
- Ability to prioritize/escalate individual equipment on a single advisory
- New advisories allow for improved equipment handling
- Quicker communication of notices
- Ability to refresh Equipment Advisory messages

Proposed Changes

- New Name “Equipment Advisory”
- Advisories do not have an expiration date
- The severity is assigned to the equipment and not the notice
- There will be escalation criteria assigned to each equipment
- On-Demand Message refresh
- Enhanced messaging
- Location on car
- AAR streamlined workflow

How will it function

- Advisory and severity assigned to equipment
- Equipment will escalate severity inside the advisory
- Advisories will not expire

How will it function - Advisories

- Advisories created by AAR/TTCI with input from industry
 - Equipment Concern (EC)
 - ABT, Reflectorization
 - Most current EW/MAs
 - Informational (IN)
 - DDCT
 - Test cars requiring no action
 - Special Instruction (SI)
 - Car flag, Bad actor before alert
 - Test Cars requiring action, Approved waiver

How will it function – Severity Levels

- Advisory can hold multiple severity levels
 - XX – Restricted at Interchange
 - A1 – Cause for attention at any time (tied to section A1 of FM for that part)
 - A2 – Cause for attention when car is on shop or repair track for any reason (tied to section A2 of FM for that part)
 - A9 – Informational Notices only

Advisories

Existing Notices

EW – Early Warning

MA – Maintenance Advisory

Proposed Advisories

Equipment Concern (EC)

- EW/MA
- Air Brake Test
- Reflectorization
- LTCCSB

Special Instructions (SI)

- Car flag
- Bad Actor

Informational Notice (IN)

- Car Note
- DDCT Notices
- Test Cars Requiring no Action

Severity Level Reduction

Current Severity Levels

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

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

6 – AAR Defined

Proposed Severity Levels

XX – Restricted in Interchange

A1 – Cause for attention at any time

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

A9 – Informational Notices

Advisory Categories with Severities

Current

Early Warning (EW)

- 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

XX – Restricted at Interchange

Maintenance Advisory (MA)

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

Proposed

Equipment Concern (EC)

- 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

Special Instruction (SI)

- 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

Informational (IN)

- A9 – Informational only see notice for details



Old vs New Car Flow on an Advisory

Current

MA-0001
RAIL1234
Added 1/1/19

MA-0001
RAIL5678
Added 3/1/19

EW-0001
RAIL1234
RAIL5678
Added 4/1/19

New

EC-0001
RAIL1234
Severity – A2
Added 1/1/19

EC-0001
RAIL5678
Severity – A2
Added 3/1/19

EC-0001
RAIL1234
Severity – A1
On 4/1/19

EC-0001
RAIL5678
Severity – A1
On 6/1/19

Faulty Hinges
Created 1/1/19
Escalates – 90 days
(4/1/19)

Update on AMM Project - 2019

- 2019
 - New application will be called Equipment Advisory
 - Rule 125 was rewritten and will be distributed for comment
 - Equipment centric with all pertinent information tied to the asset
 - Three new advisories created to handle more scenarios in the industry
 - Simplified severities from seven to four
 - New XML message formats delivered to the industry for implementation

Update on AMM Project - 2020

- 2020
 - Railinc internal coordination with other applications (DDCT, Umler, EHV, EHMS, AIR)
 - Implement new XML messaging
 - Add location on car to advisories
 - Revise application web site
 - User acceptance testing with industry



Questions?