



Railinc Equipment Systems

**What's up? What do you need
to know?**

**Briefing to MARTS
Chicago, IL
September 19, 2005**

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Agenda

- Who Railinc is
- Railinc Equipment Systems
- Umler® EMIS
- EMIS -- What's new, What's happening
- EHMS – What's new, What's happening

Who Railinc is

- The Information Technology branch of the industry
 - Subsidiary of the AAR
 - Operator of the railway industry's central computer systems
 - Keeper of the industry's massive data archives
 - Developer of an ever-growing suite of data related services and products to the transportation industry
 - Communicator of transportation intelligence to the railway industry and shipping community
 - Manager of the railway's "common language" of industry's reference files
- Supporting
 - All classes of Railways
 - Railroad suppliers
 - Car Owners
 - Shippers
 - Equipment Leasing Companies...And all of their Agents
- Located in Cary, NC

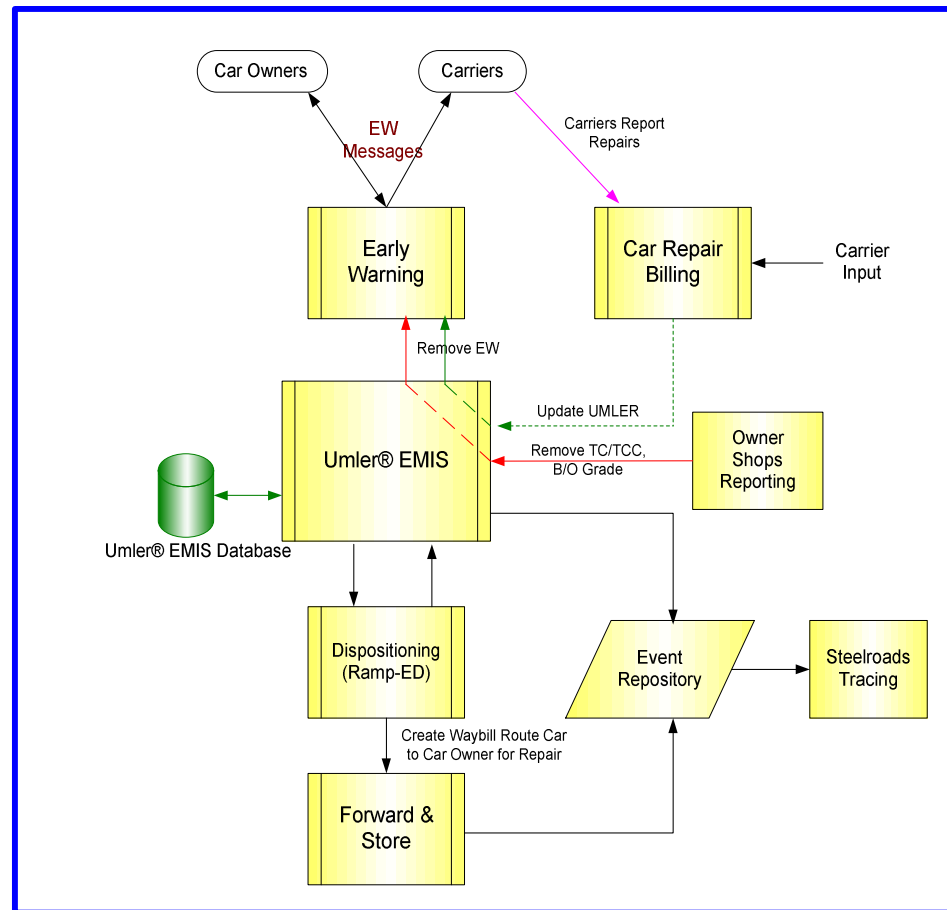
Railinc Equipment Systems

- **Umler®**
 - “Universal Machine Language Equipment Register”
 - The Industry’s repository of railcar information
- **Umler® EMIS**
 - Umler Equipment Management Information System
 - The new vision of Umler®
- **EHMS**
 - Equipment Health Management System
 - Communicating detector information from carriers to car owners
- **EW**
 - Early Warning
 - Communicating safety-sensitive information from car owners to carriers
- **CRB**
 - Central back-office reconciling of AAR billable repairs

Other Railinc Systems that support Equipment Management

- ER
 - Event Repository
 - Location and status of all rail equipment
- F&S
 - Forward and Store®
 - Integral to the industry's Waybill system
 - Contents and Lading
 - Handling and billing instructions
 - Destination of equipment
- RAMP-ed
 - Railway Asset Management Equipment Disposition

How the systems fit together



Umler® EMIS

- Re-engineering the aging Umler® system
- Mission critical information
 - Physical characteristics
 - Inspection data
 - Management data
 - Pooling and transportation data
- Reaching the whole rail industry
 - Simple for all car owners to participate
 - Real-time
 - Secure system
 - Increased data integrity and quality
 - Flexible
 - Re-usable

Umler® EMIS Phase 2

- Phase 2 – February 26, 2006
- Inspections
 - ABT
 - FRA Locomotive Inspections
 - Vehicular Flat Certifications
 - Car Grading
 - Door Lube
 - Retro-reflectorization
- ABT reporting via Umler® EMIS
 - SCABT application will be retired
 - Replaced by Umler® EMIS application
 - Web-services for ABT reporting available

Umler® EMIS Phase 3

- Phase 3 – End 2007
- Equipment Characteristics
 - Adds/deletes/modifications
 - Restenciling
 - Component management
 - Status management
- All reporting via Umler® EMIS
 - Umler® online (TSUM) application will be retired
 - Replaced by Umler® EMIS application
 - TRAIN II Users
 - Old formats not supported after February 26, 2006

Sample Umler® EMIS Screen

The screenshot displays the Umler EMIS web application in a Microsoft Internet Explorer browser window. The page title is "UMLER - Report Air Brake Test Inspection". The browser address bar shows the URL: <http://www.railinc.com/EMIS2/?cnid=inspections&loc=1>. The application header includes the UMLER logo and navigation tabs: "Access Pools / Equipment", "Manage Notices", "Resume Suspended Work", "Transactions", "Upload/Download", and "Administer Account(s)". Below the header, the user ID is "ACPI" and the company name is "BBSI - RAILINC INTERNAL TESTING".

The main content area is titled "Report Air Brake Test Inspection" and contains a table with the following columns: "Equipment ID(s)", "Reporter", "Performer", "Date Done", and "Location/SPLC". The table has five rows, each with a dropdown menu for "Reporter" (all set to "BBSI"), a text input for "Performer" (all set to "CN"), a date input for "Date Done" (all set to "03-02-2004"), and a text input for "Location/SPLC" (the first row is set to "250100001").

At the bottom of the form, there are buttons for "Validate", "Submit", "Suspend", "Reset", "Clear", and "Cancel". The RAILINC logo is visible in the bottom right corner of the application area.

| Equipment ID(s) | Reporter | Performer | Date Done | Location/SPLC |
|--|----------|-----------|------------|---------------|
| BCOL0000046007 BCOL0000046014 BCOL0000046015 | BBSI | CN | 03-02-2004 | 250100001 |
| | BBSI | CN | 03-02-2004 | |
| | BBSI | CN | 03-02-2004 | |
| | BBSI | CN | 03-02-2004 | |

What you need to do

- Don't panic!
 - The system is very simple and intuitive
 - No more digital certificates!
- Get in the know
 - www.railinc.com
- Join us for upcoming informational sessions
 - Omaha, NE, October 13, 2005
 - Jacksonville, FL, November 17, 2005
 - Sign-up at emis.system@railinc.com
- Get ready to sign-up for new system
 - Available early December 2005
 - After December 1, 2005, call Railinc CSC (1-800-544-7245) or CSC@railinc.com to set up an account

EHMS

- Directly supporting the SOMC Advanced Technology Safety Initiative
 - EHMS is a railroad industry project to use technology to facilitate proactive maintenance of cars
 - Identification of problems and developing problems
 - Communication of alerts
 - Reporting remediation/Clearing of alerts
 - Historical data
 - EHMS has industry level software modules which function in concert with railroad level software modules
 - Short-term solution implemented in 2005, enhancements continue in 2005

EHMS 2005

- Drive daily emails directly from EHMS
- Communications Profiles
 - Multiple modes of communication
 - Multiple party notification
 - Variable times of delivery
- Administrative clearing of alerts
 - EW/MA final code of “MR”
 - Override function for Q4
- What you need to do
 - Listen to Terri

EHMS 2006

- Make EHMS more user friendly
- Clear Alerts More Efficiently
- Leverage RAMP-ed technology for positioning empty cars
- Consolidate Separate Databases
- Add Detector Alerts as needed to EHMS
- Enhance Security
- Generate EHMS-related Statistics
- Move off EW

Railinc – Serving the Rail Industry

- Other Systems
 - Car Tracing Services
 - Steelroads®
 - Railsight®
 - Nextpath®
 - Car Management Systems
 - CHARM®/DEPRE®
 - Railinc suite of products for Short Lines
 - Railsync®
 - Other systems
 - IRF
 - ISS
 - RR Clearinghouse
- WWW.RAILINC.COM
- 1-800-544-7245