What’s up? What do you need to know?

Briefing to MARTS
Chicago, IL
September 19, 2005

Alan McDonald, Director, Equipment Data Systems
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
### Report Air Brake Test Inspection

<table>
<thead>
<tr>
<th>Equipment ID(s)</th>
<th>Reporter</th>
<th>Performer</th>
<th>Date Done</th>
<th>Location/Spic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8CCL00000000007</td>
<td>BBSI</td>
<td>CH</td>
<td>03-02-2004</td>
<td></td>
</tr>
<tr>
<td>8CCL000000000014</td>
<td>BBSI</td>
<td>CH</td>
<td>03-02-2004</td>
<td></td>
</tr>
<tr>
<td>8CCL000000000018</td>
<td>BBSI</td>
<td>CH</td>
<td>03-02-2004</td>
<td></td>
</tr>
</tbody>
</table>

- **Validate**
- **Submit**
- **Suspend**
- **Reset**
- **Clear**
- **Cancel**
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 pro-active 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 dispositioning 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