

Federal Railroad Administration Risk Reduction Program

August 12, 2008

**FRA Office of Safety
FRA Office of Railroad Development**

**Meeting co-sponsored by the Transportation Research Board's
Committee on Railroad Operational Safety**

An Overall View

Reactive Risk Management Systems

Reportable Accidents

FRA Database

Accountable Accidents

RR Records

Inspections and Audits

225's

Close Calls

C3RS

At-risk Behaviors

CSA

Organizational/Workplace Factors

Culture Surveys

Leadership Factors

Leadership Training

Proactive Risk Management

Basic Concepts of RRP

- Commitment from all stakeholders
- Systematic and objective data gathering, analysis, and reporting
- Problem solving and corrective action
- Long-term sustaining mechanisms

RRP Goals

- Short term (within 2 years):
 - To develop a systematic process for working with precursor data
 - To develop a national framework for collaborative safety programs to target for corrective action areas of risk with significant potential for broad impact that are not covered by FRA's railroad safety regulations
 - To implement two pilot risk reduction projects to effectively identify and improve targeted risk areas

RRP Goals

- Intermediate (within 5 years)
 - To reduce accident/incident rates at RRP pilot sites for accident/incident categories targeted by those pilot projects by 50% in 5 years
 - To implement one pilot RRP project industry-wide

RRP Goals

- Long Term:
 - To reduce accident/incident rates industry-wide for accident/incident categories targeted by those RRP projects that are implemented industry-wide by 50% in 10 years

Surface Safety Review

- Safety Culture Survey
- Cross-modal program audits

FRA is Making Changes

- New Divisions
- New Data Analysis capability
- Budget

Next steps

- Define pilot project selection procedures
- Develop budget
- Determine funding and procurement processes needed
- Develop generalized risk model
- Establish data securement processes (S. 1889, NASA, other...)