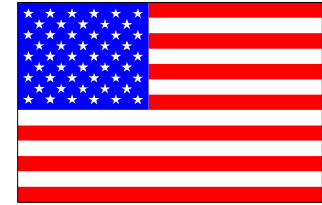


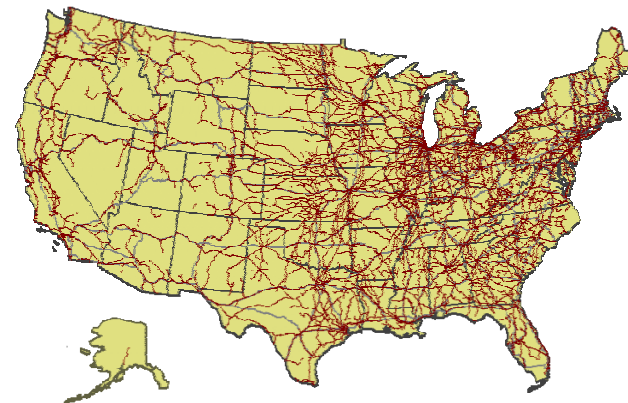


U.S. Department  
of Transportation  
**Federal Railroad  
Administration**

# Federal Railroad Administration



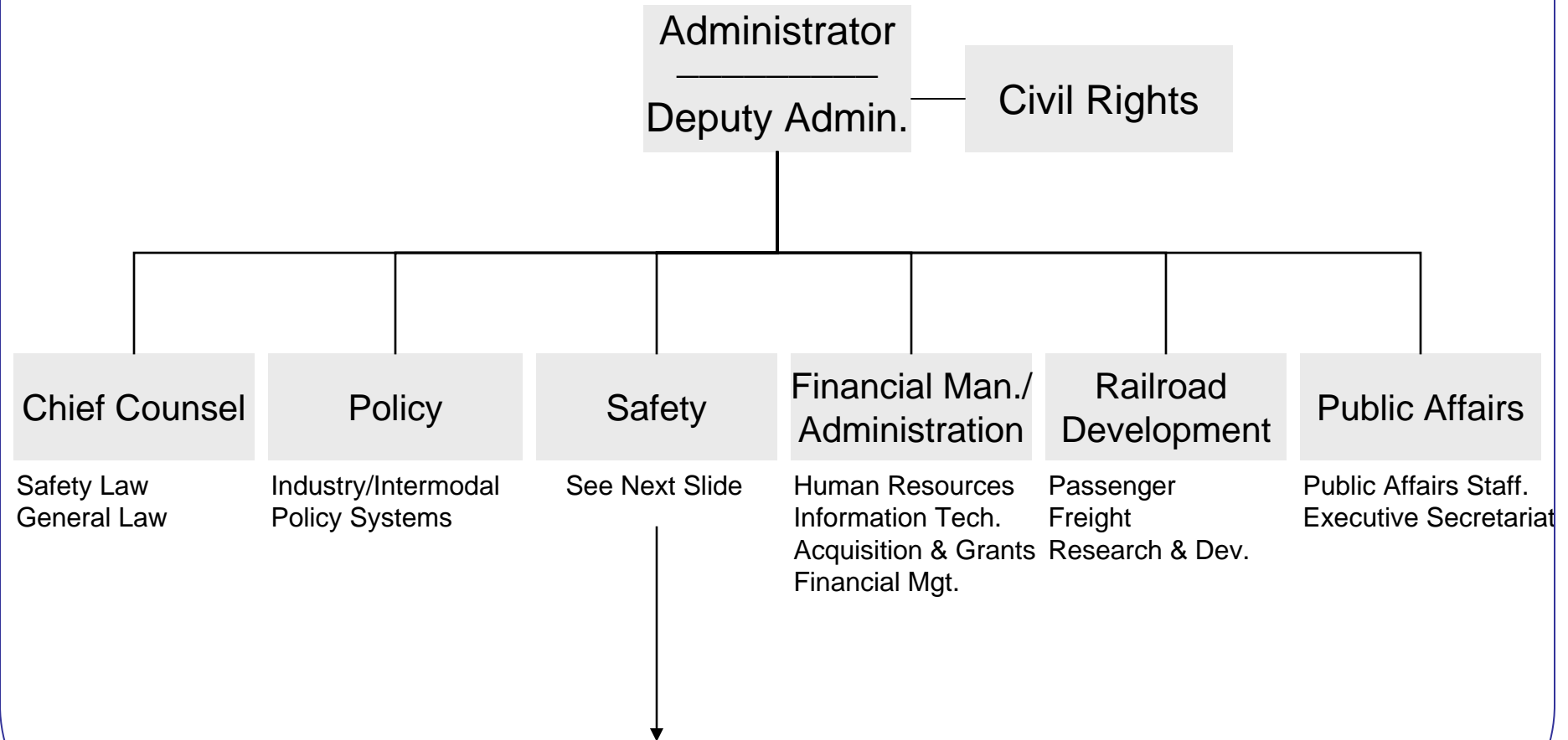
- FRA Overview
- Industry Overview
- Performance:  
Delivering Results
- Plans for the Future



March 2007 – Office of Safety

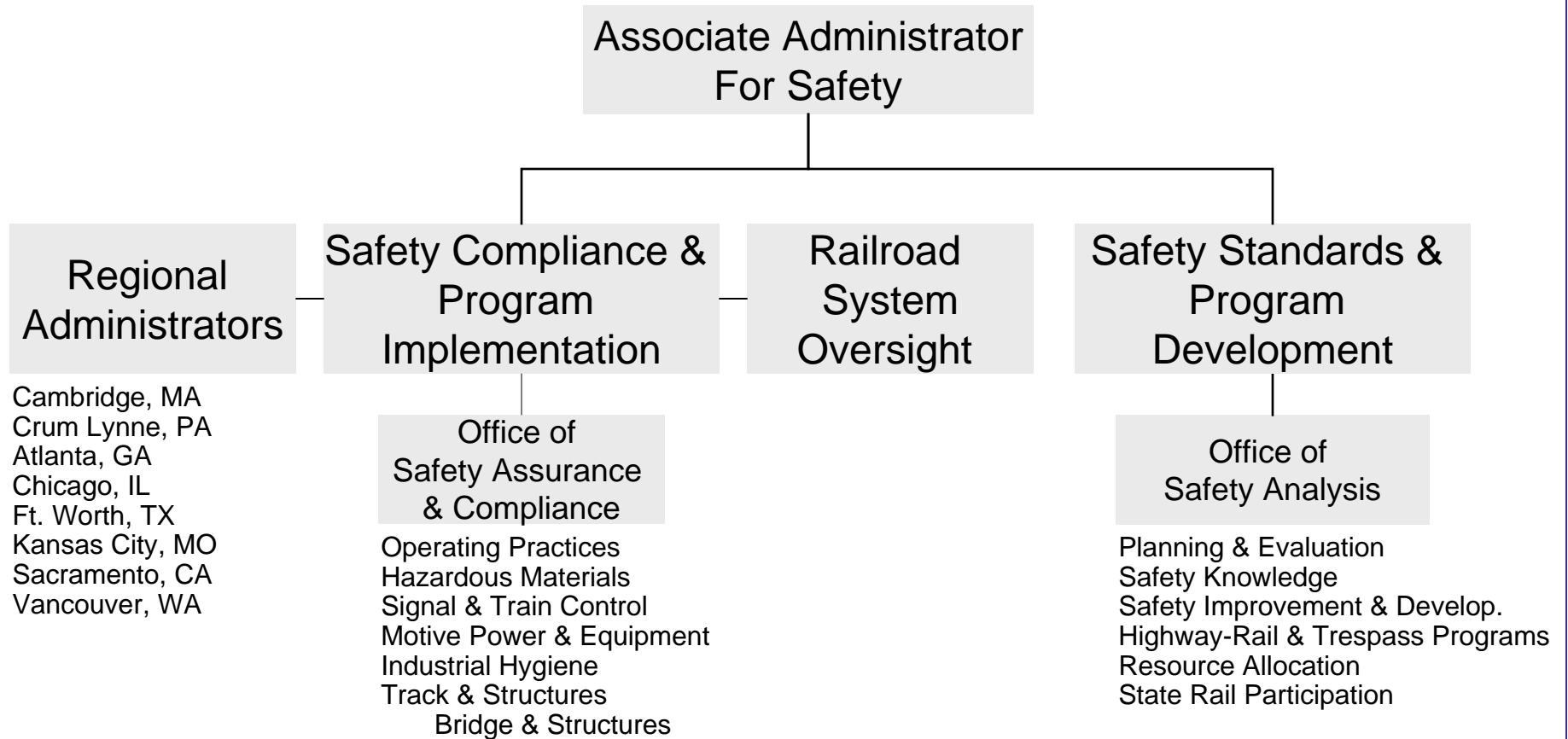
# Federal Railroad Administration

## General Organization



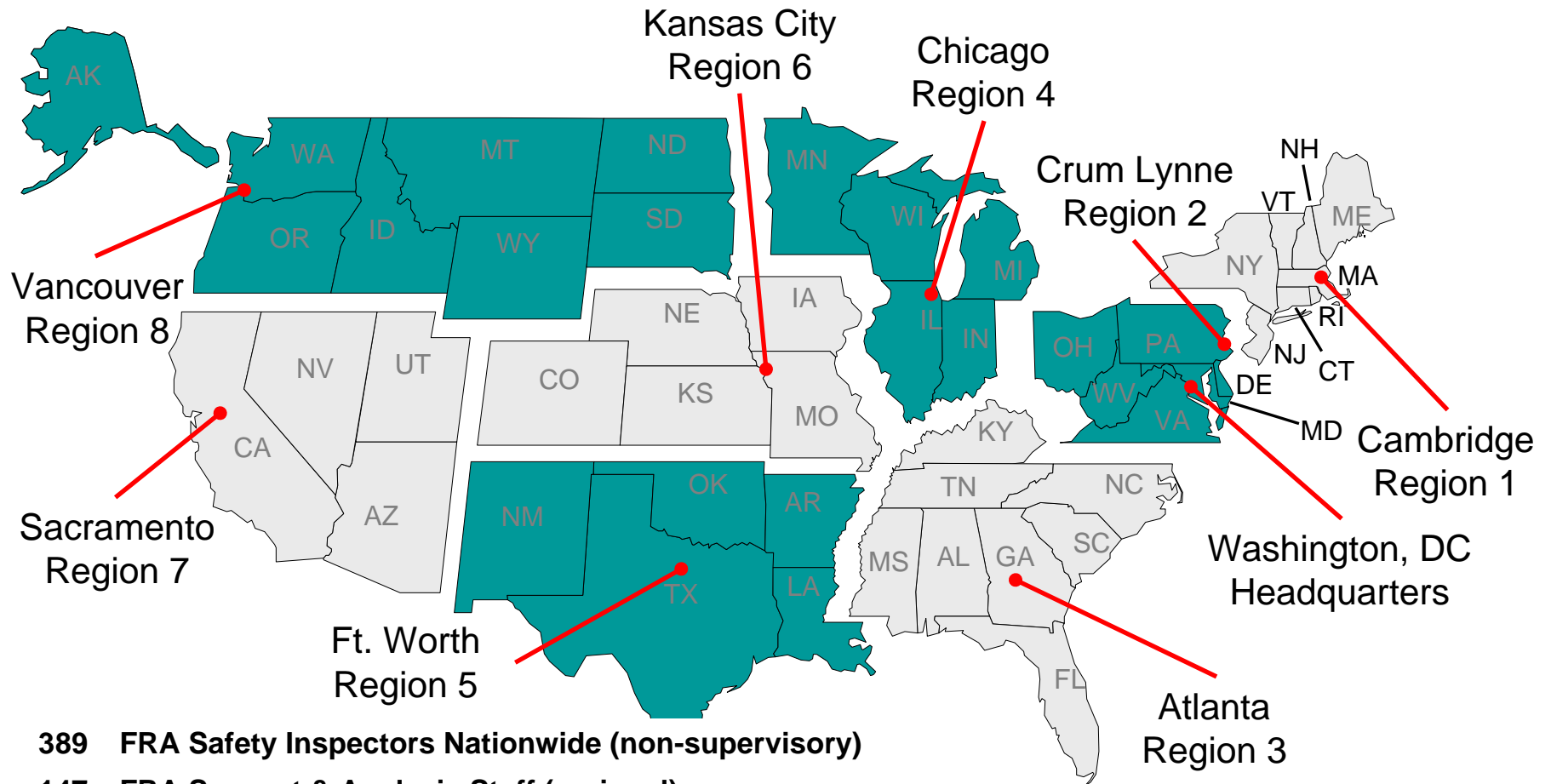
# Federal Railroad Administration

## Office of Safety



# Federal Railroad Administration

## Eight Regions



- 389 FRA Safety Inspectors Nationwide (non-supervisory)**
- 147 FRA Support & Analysis Staff (regional)**
- 160 State Inspectors – 30 States**

# Federal Railroad Administration

## Regulatory Framework

- Enforcement Tools
  - Defects/Deficiencies (warnings)
  - Violations (corporate civil penalties)
  - Individual Liability (civil penalty)
  - Compliance Orders
  - Emergency Orders
  - Special Notice For Repairs



# Federal Railroad Administration

## Railroad Safety Advisory Committee

- Full RSAC committee (61 members and an FRA chairperson)
- Working groups responsible for developing recommendations on specific tasks





# Industry Overview

## Freight and Passenger Railroads

Type	Railroad	Miles Owned	Miles Operated *	Employees
I	Amtrak	745	22,256	20,938
I	BNSF Railway	23,595	32,154	39,358
I	CSX Transportation	16,252	21,357	30,486
I	Canadian National – No. America	6,268	6,736	6,133
I	Kansas City Southern	2,707	3,197	2,787
I	Norfolk Southern	16,237	21,184	29,880
I	Canadian Pacific Rwy. Co.	1,652	3,511	2,699
I	Union Pacific	26,258	32,426	51,095
II	Regional (28 carriers)	15,641	15,641	7,422
III	Short Line (533 carriers)	27,109	27,109	11,878
	Commuter Railroads (22 agencies)	2,527	3,979	24,813
	<b>Total</b>	<b>138,991</b>	<b>189,550</b>	<b>227,489</b>

**[I] Class I railroad (annual operating revenues of \$272 million or more) per Surface Transportation Board**

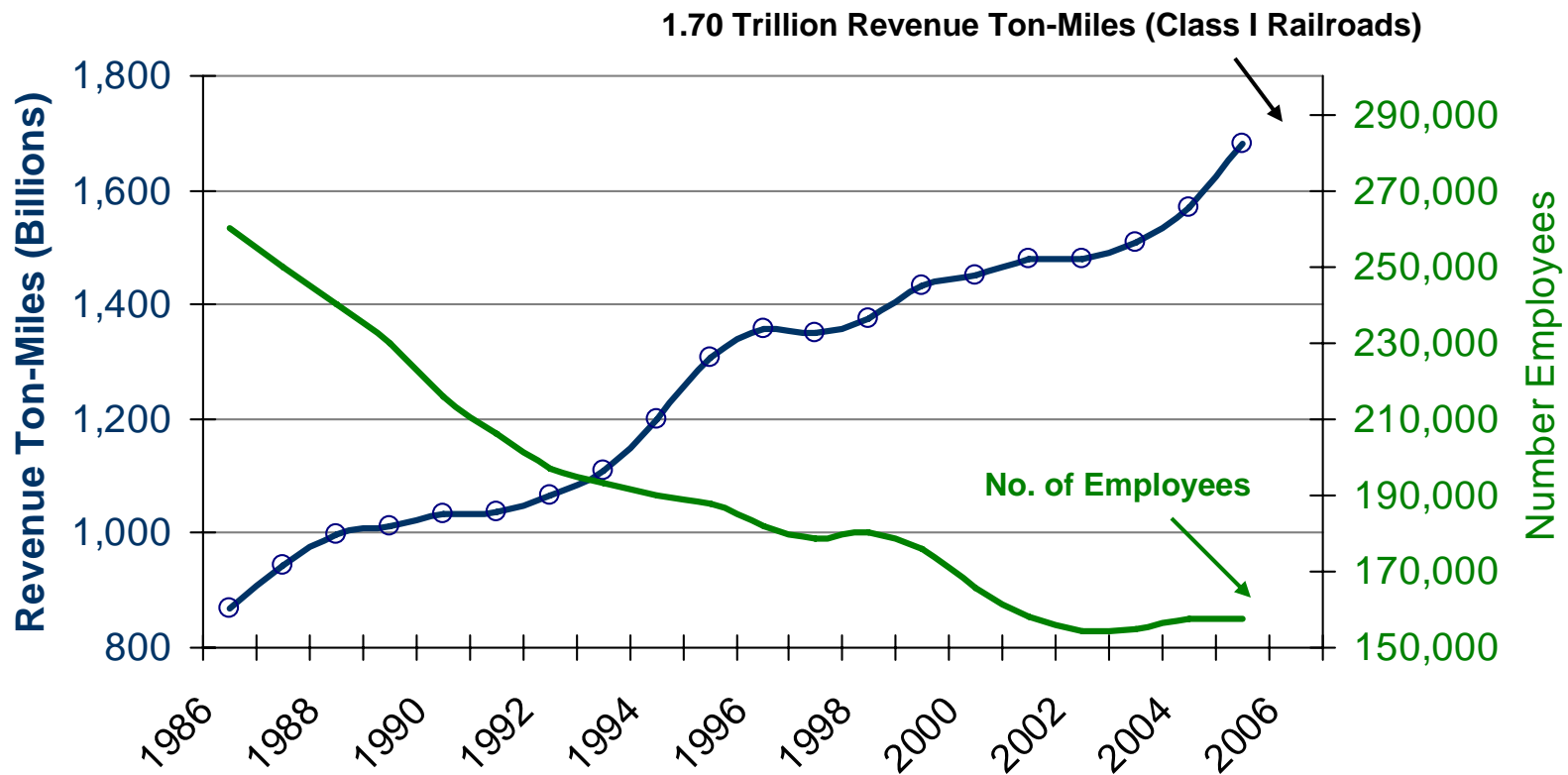
**[II] Railroads with more than 350 miles of road and/or more than \$40 million annual operating revenues**

**[III] Railroads with less than 350 miles of road and/or less than \$40 million annual operating revenues**

\* Miles owned plus operating rights on other railroads

# Industry Overview

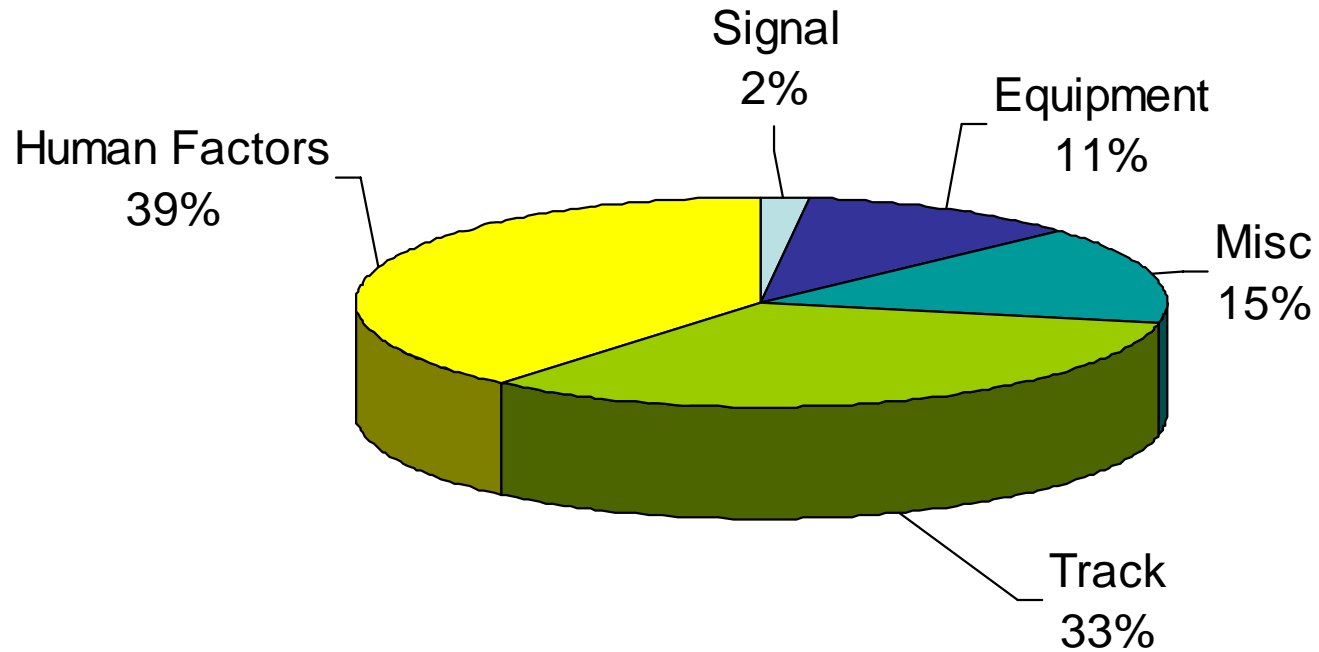
## Revenue Ton-Miles and Employees



# Federal Railroad Administration

## Train-Accident Cause Categories

Accident cause categories – 3,191 accidents in 2005  
(excludes highway-rail grade crossing accidents)



# Delivering Results

## National Rail Safety Action Plan Highlights

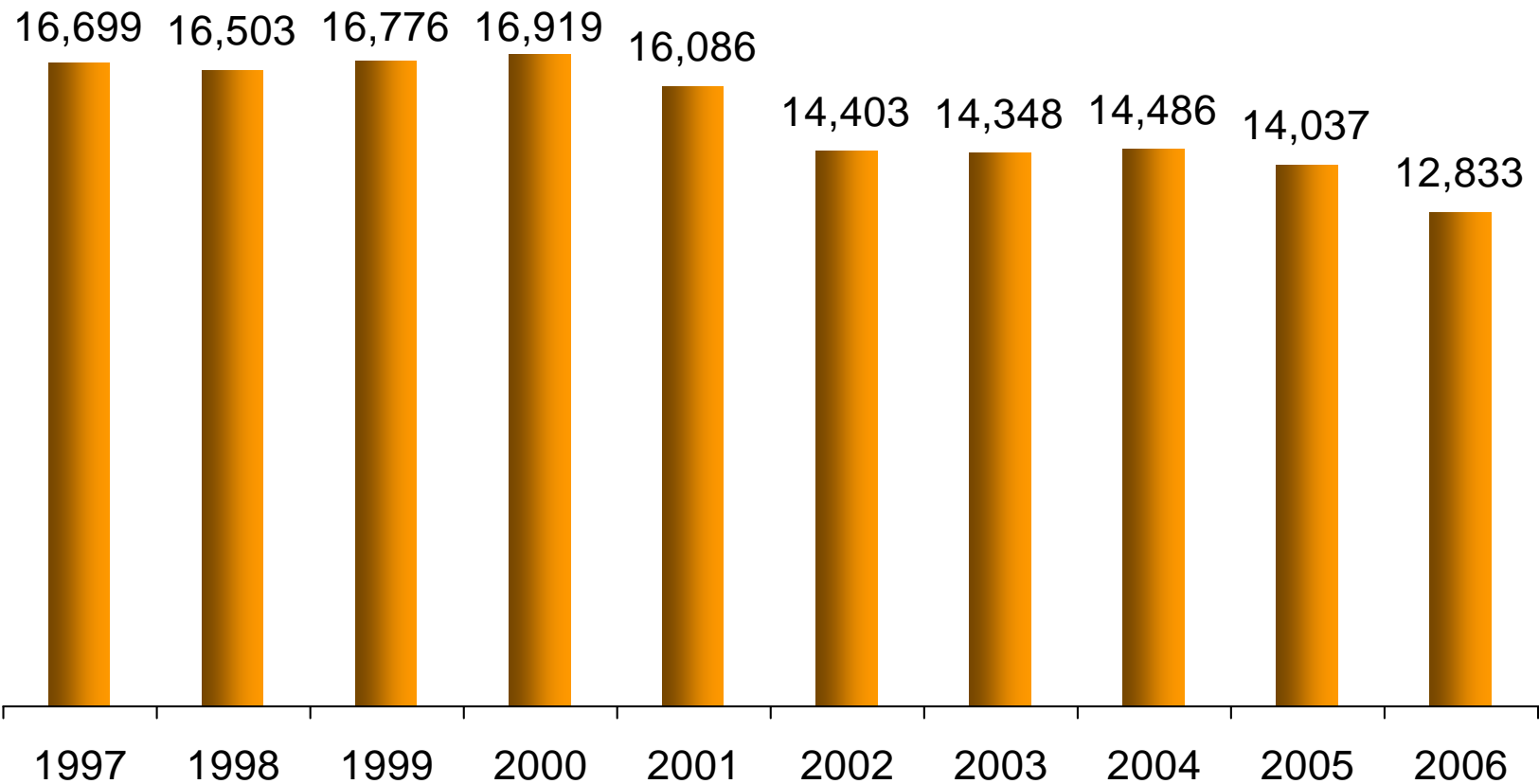
- Close Call pilot project
- Track geometry cars will perform automated inspections
- New enhancements to high-resolution video joint bar inspection system
- Working with AAR to more quickly provide accurate info to hazmat first responders and to assess tank car integrity
- National Inspection Plan improves resource allocation based on data-driven research





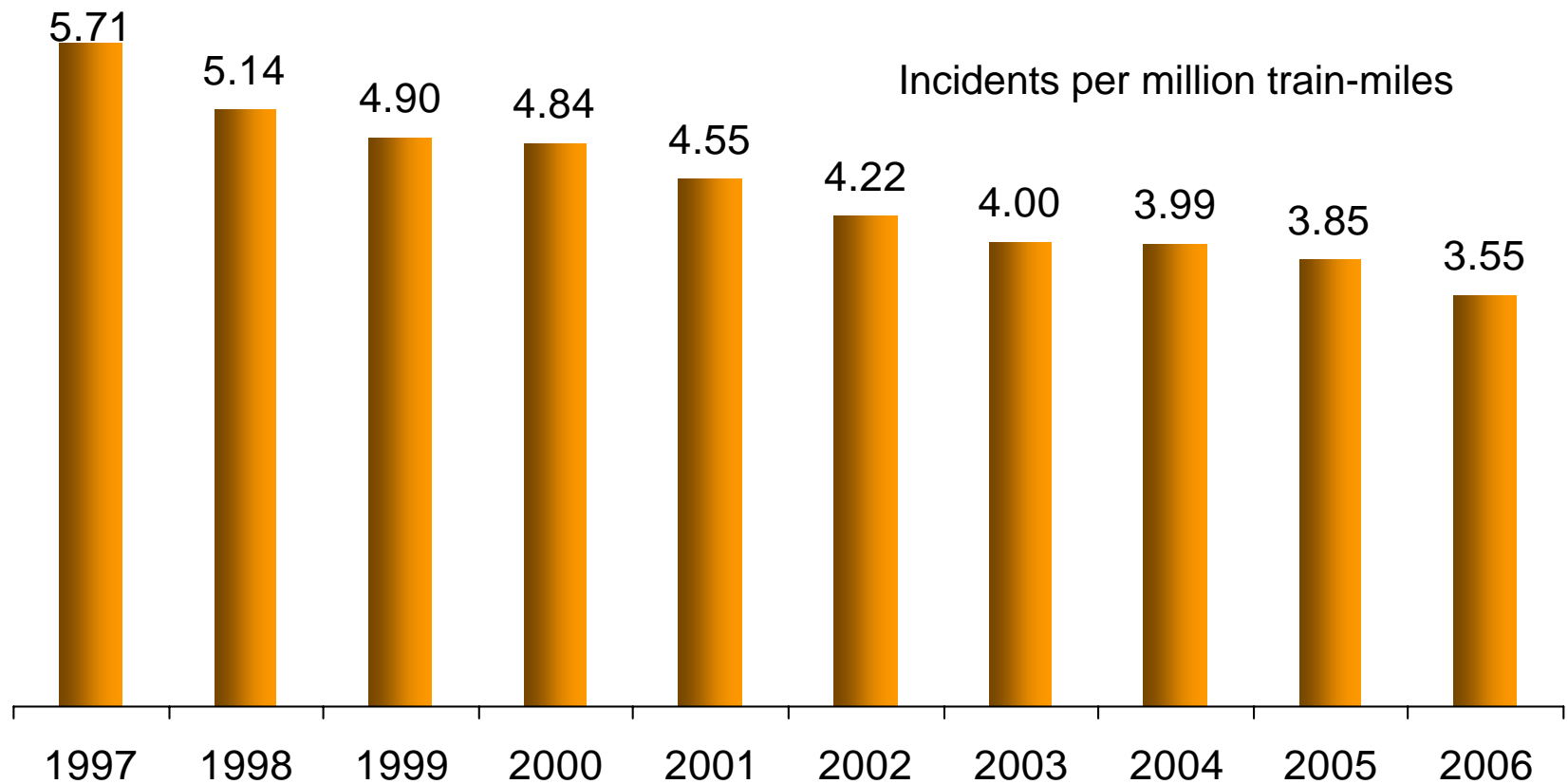
# Delivering Results

## Total Accidents/Incidents



# Delivering Results

## Highway-Rail Incidents Rate



# Delivering Results

## International Influence



- Egypt:  
In light of a series of railroad accidents, the U.S. Embassy requested FRA's help in developing a safety program.
  - A senior manager from FRA is on loan to Egypt for 90 days to develop the program
  
- France:  
The FRA works with the International Union of Railroads in France on proactive risk management processes

# Plans for the Future

## Safety Reauthorization Bill

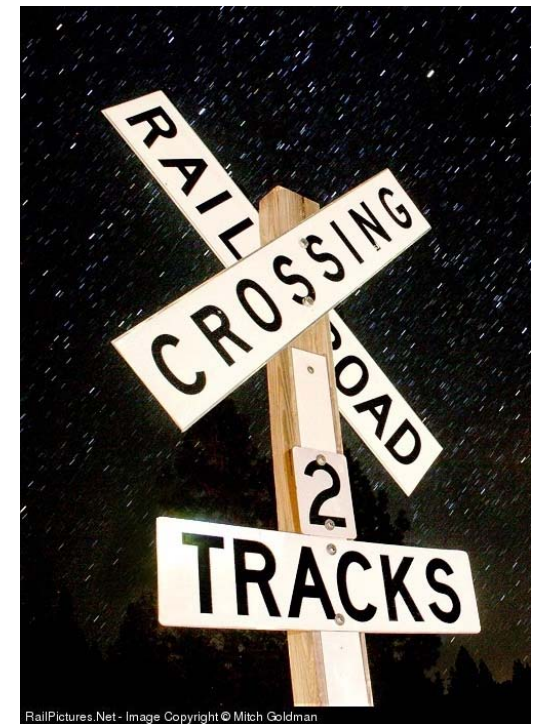
- The bill was introduced in the House by Congressmen Jim Oberstar (MN), John Mica (FL), Bill Shuster (PA), and Congresswoman Corrine Brown (FL) on March 9.
- Bill addresses three areas:
  - Risk Reduction Program
  - Regulatory authority over the Hours of Service Act
  - Mandatory updating of National Crossing Inventory



# Plans for the Future

## Safety Risk Reduction Program (RRP)

- **The Current Accident and Rule-Based Safety Culture**
- **Readiness for Change in U.S. Railroad Industry**
- **Background - HF Accidents**
- **RRP Vision and Goal**
- **How to Reduce HF Accidents: Create Learning Culture**
- **An Overall View**
- **How we will do this**



# Plans for the Future

## Safety Risk Reduction Program (RRP) Readiness for Change in U.S. Railroad Industry



- 80,000 new employees to be hired in next 5 years: labor, management, senior leaders
- Strong organizational culture
- Recognition of need and opportunity for change

# Plans for the Future

## Safety Risk Reduction Program (RRP)

### Vision

- Better management and use of precursor (predictive) data not just reactive data
- A safety learning culture that allows open disclosure about safety without fear

### Goal

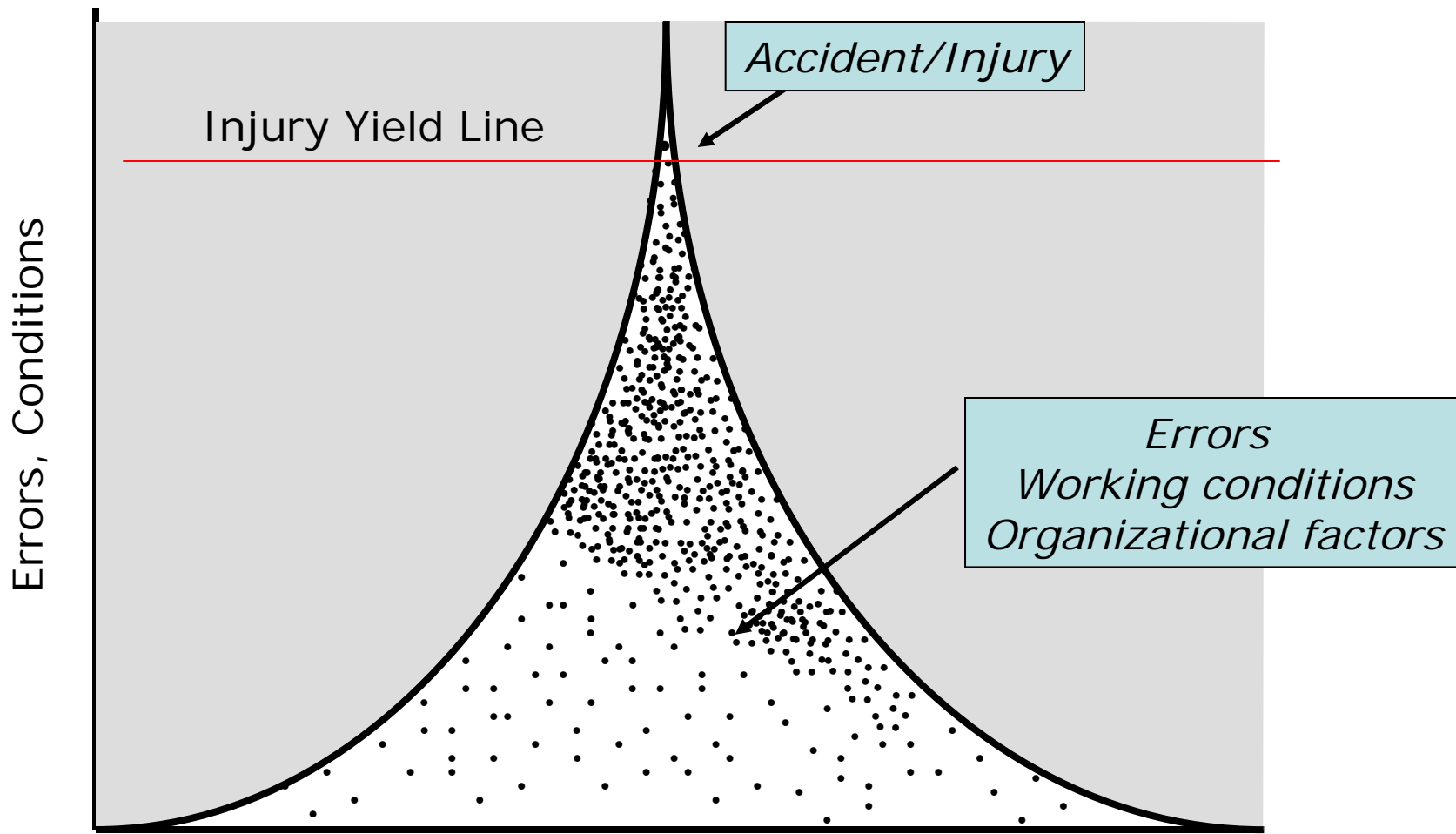
- To reduce accidents in the North American railroad industry by 50 percent in the next five years through the use of precursor data.



# Plans for the Future

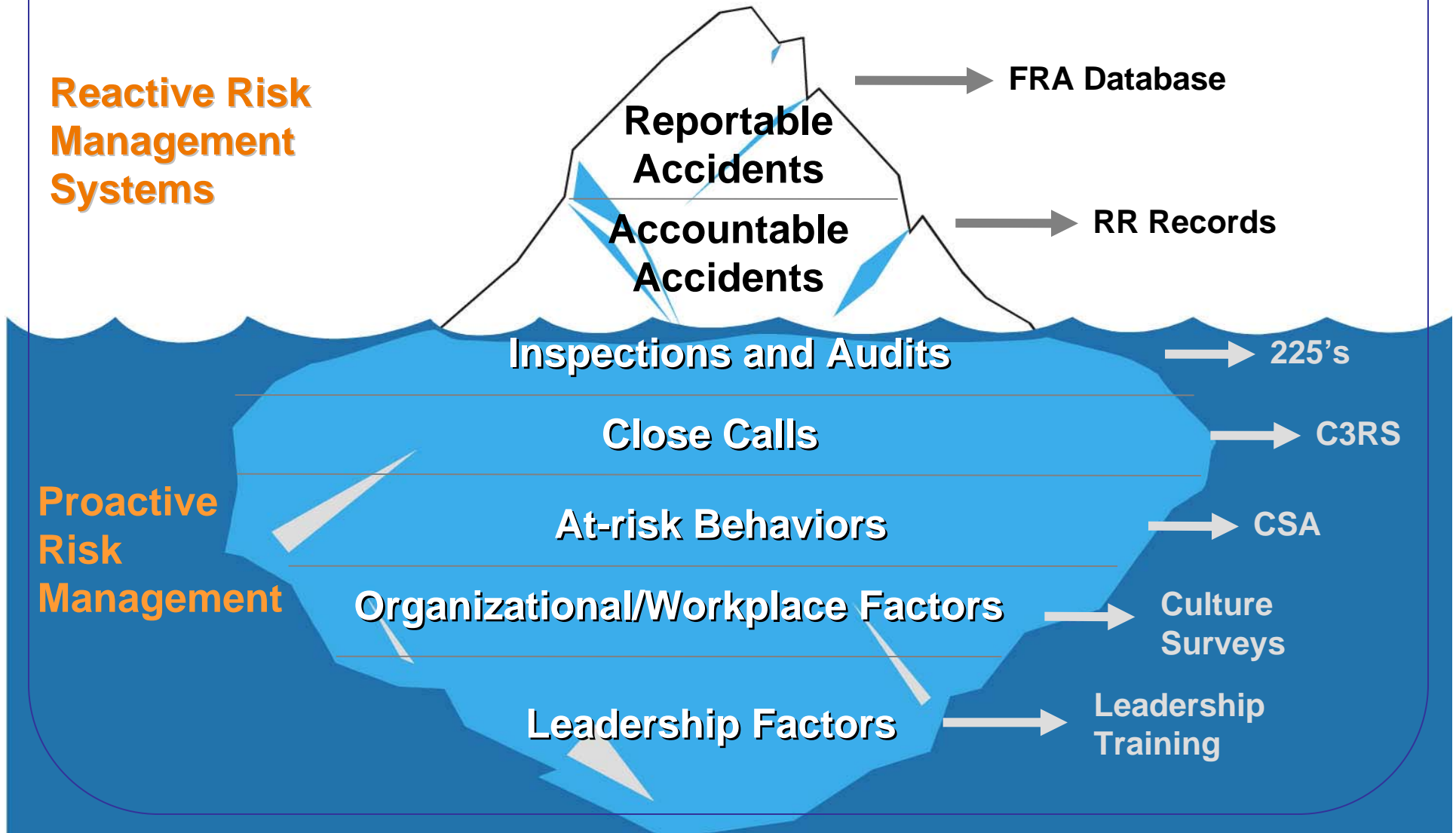
## Safety Risk Reduction Program (RRP)

How to Reduce HF Accidents: Create Learning Culture



# Plans for the Future

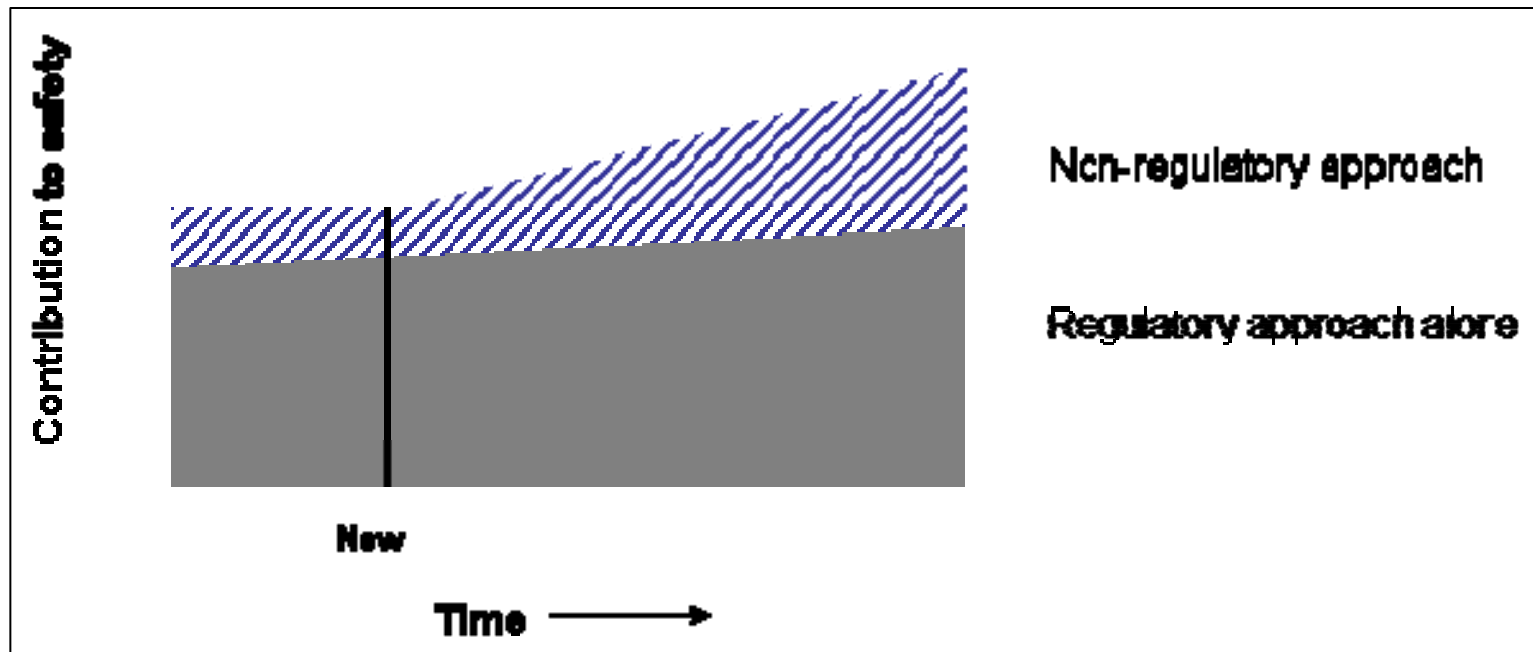
## Safety Risk Reduction Program (RRP) An Overall View



# Plans for the Future

## Safety Risk Reduction Program (RRP)

How we will do this



Continue to strengthen regulatory enforcement approaches while adding complementary nonenforcement approaches