



NATIONAL TRANSPORTATION SAFETY BOARD
Investigative Hearing

Managing Safety on Passenger Railroads: Amtrak Overspeed Derailment – DuPont, Washington; and CSX and Amtrak Train Collision – Cayce, South Carolina.

GROUP	G
EXHIBIT	
27	

Agency / Organization

Metra

Title

Host Railroad Presentation



Moving Passenger & Freight Rail Through Chicago Safely

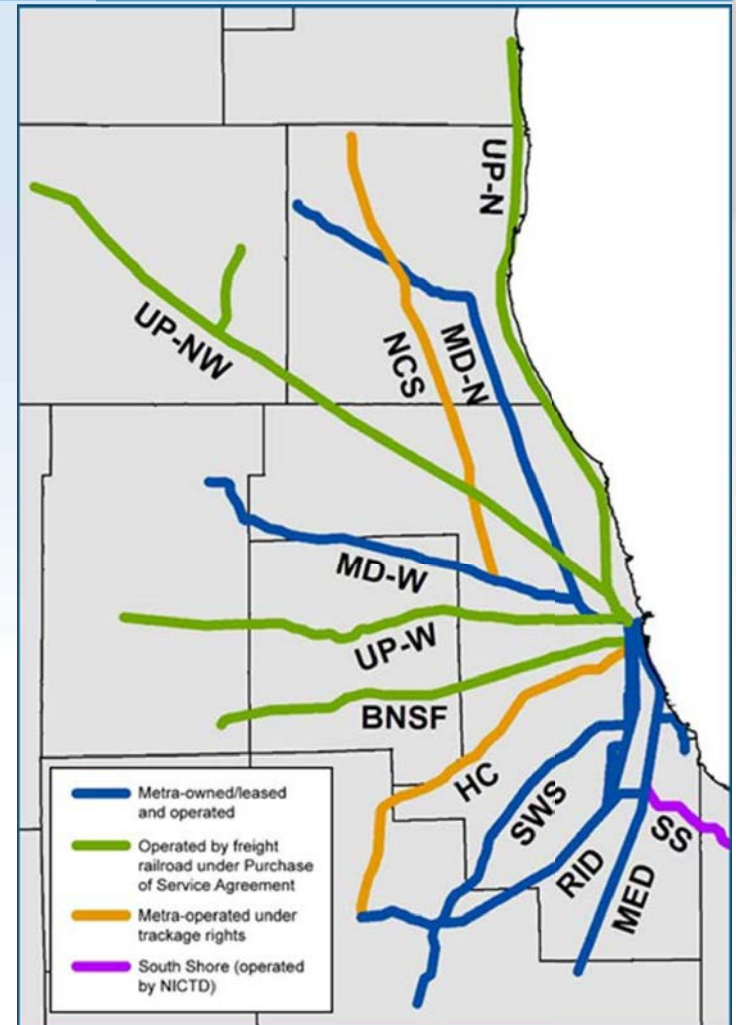


Agenda

- Metra System Overview
- Chicago Rail Network
- Tennant and Host Railroads
- Chicago Transportation Coordination Office (CTCO)
- Chicago Operating Rules Association (CORA) and Joint Operational Testing Team
- System Safety Program Plan & Part 270 System Safety Program Implementation

Metra System Overview

- **78.6 million annual riders**
- **290,000 average weekday ridership**
- **11 rail lines**
 - 1 BNSF & 3 UPRR (PSA)
- 487 route miles
- **686 weekday trains**
- **242 train stations**
- **24 rail yards**
- 12 fuel facilities
- **571 grade crossings**
- **823 bridges**
- 148 locomotives
- 845 diesel railcars (coaches)
- 186 electric railcars (coaches)
- 90,779 parking spaces



The Chicago Rail Network

- Metra's service area is equal in square miles to the State of Rhode Island and Delaware combined
- Every weekday rush hour, we move a body of people equal to the population of Naperville, Illinois which is the 3rd largest city in the State
- Each weekday, nearly 1300 – 1400 freight and passenger trains pass through the Chicago region
 - 709 Metra commuter trains
 - 500 Freight trains
 - 56 Amtrak trains, 18 on Metra owned rails
 - 40 Indiana South Shore trains on Metra owned rails
 - Hosts up to 60 freight trains daily on Metra owned rails
 - Passenger trains operate at speeds up to 79mph
 - Freight trains operate at speeds up to 60mph

The Chicago Rail Network Cont'd

- Metra is a freight as well as a passenger railroad operating in the most congested rail terminal in America
- Over 60% of the Nation's freight rail either originates, terminates or passes through Chicago.
 - 25% of all U.S. rail traffic touches Chicago
 - 46% of all intermodal units moving in the U.S. touch Chicago
 - 54% of intermodal units to/from the ports of Seattle/Tacoma touch Chicago
 - 26 % of intermodal units to/from Los Angeles/Long Beach touch Chicago

Tenant & Host Railroads

Tenant Railroads

- Amtrak
- Norfolk Southern
- Union Pacific
- Canadian Pacific Railroad*
- Wisconsin and Southern Railroad
- DM&E
- Canadian National
- CSX
- Iowa Interstate
- Chicago Rail Link
- Northern Indiana Commuter Transportation District (NICTD)

Host Railroads

- Union Pacific
 - Canadian National
 - BNSF Railway
 - Amtrak
 - Canadian Pacific Railroad*
- * CPR dispatches MD-N and MD-W



How We Achieve Safe & Efficient Train Operations

- **Communication**
- **Collaboration**
- **Coordination**
- **Consistency**

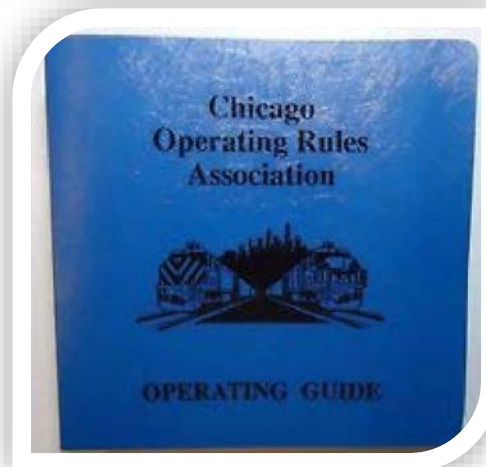


Chicago Transportation Coordination Office (CTCO)

- January 3, 2000 – CTCO is officially established
- Representatives from BNSF, BRC, CN, CP, CSX, IHB, NS, UP, METRA, AMTRAK and WC
- Increase oversight of the daily operation to ensure safe, efficient movement of rail traffic
- Monitoring, evaluating and directing the traffic flows not only to Chicago, but through Chicago
- Line-up sharing and daily conference calls (10:00am & 8:15pm)
- METRA/AMTRAK performance monitoring
- MOW planning
- Verify that the infrastructure can safely support the traffic levels

Chicago Operating Rules Association (CORA)

- Analyzes status of the Chicago Terminal
- Made up of freight & passenger railroads
- Monthly meetings
- Quarterly Joint CORA Operational Testing Team
- Allows for open communication and consistency to ensure safe rail operation through the Chicago Terminal
- Metra's Director of Rules is the Secretary/Treasurer



FRA Part 270 - System Safety Program

- 23 Elements under APTA System Safety Program Plan
- 20 Elements of FRA Part 270 – SSP
 - 16 Elements are updated
 - 4 Elements in process
- Chief Safety & Environmental Officer reports directly to the CEO
- Board Safety Committee – Quarterly meetings
- Agency Mission Statement which makes safety its top priority
- Safety Policy Statement signed by the CEO
- Consultation meeting held April 6, 2017 (FRA Part 270, SSP)
- Employee survey to assess Metra's culture w/emphasis on Safety
 - 78% employee participation
 - Safety receiving the highest scoring results

Thank You



Hilary E. Konczal, WSO-CSSD/CSM/CST
Chief Safety & Environmental Officer
(O) 312-322-6743
Email: Hkonczal@metrarr.com