

CE 433

Chapters 1 & 2 Text



Outline Ch. 1 & 2

- Advantages of Railroad Concept
- Problems Early On
- Economics
- Development of the Country

□ Classifications

■ Class I



CANADIAN
PACIFIC
RAILWAY



■ Regionals

■ Local/Shortline/Terminal or Switching



□ Trans

□ Porto



□ Derived Demand

□ Supply Chain

□ Value Added

□ Coal and/or Grain



□ Automotive



□ TOFC/COFC (Intermodal)



□ Merchandise (mixed)





- Cars
 - System
 - Foreign
 - Private
- Interchange

□ Train Types

- Unit Train



- Mixed Train
(General Merchandise)





□ Management

- Engineering

- Mechanical (Equipment)

- Transportation (Operations)



□ Goals of Operating Department

- Safety
- Service
- Economics
- Develop Employees

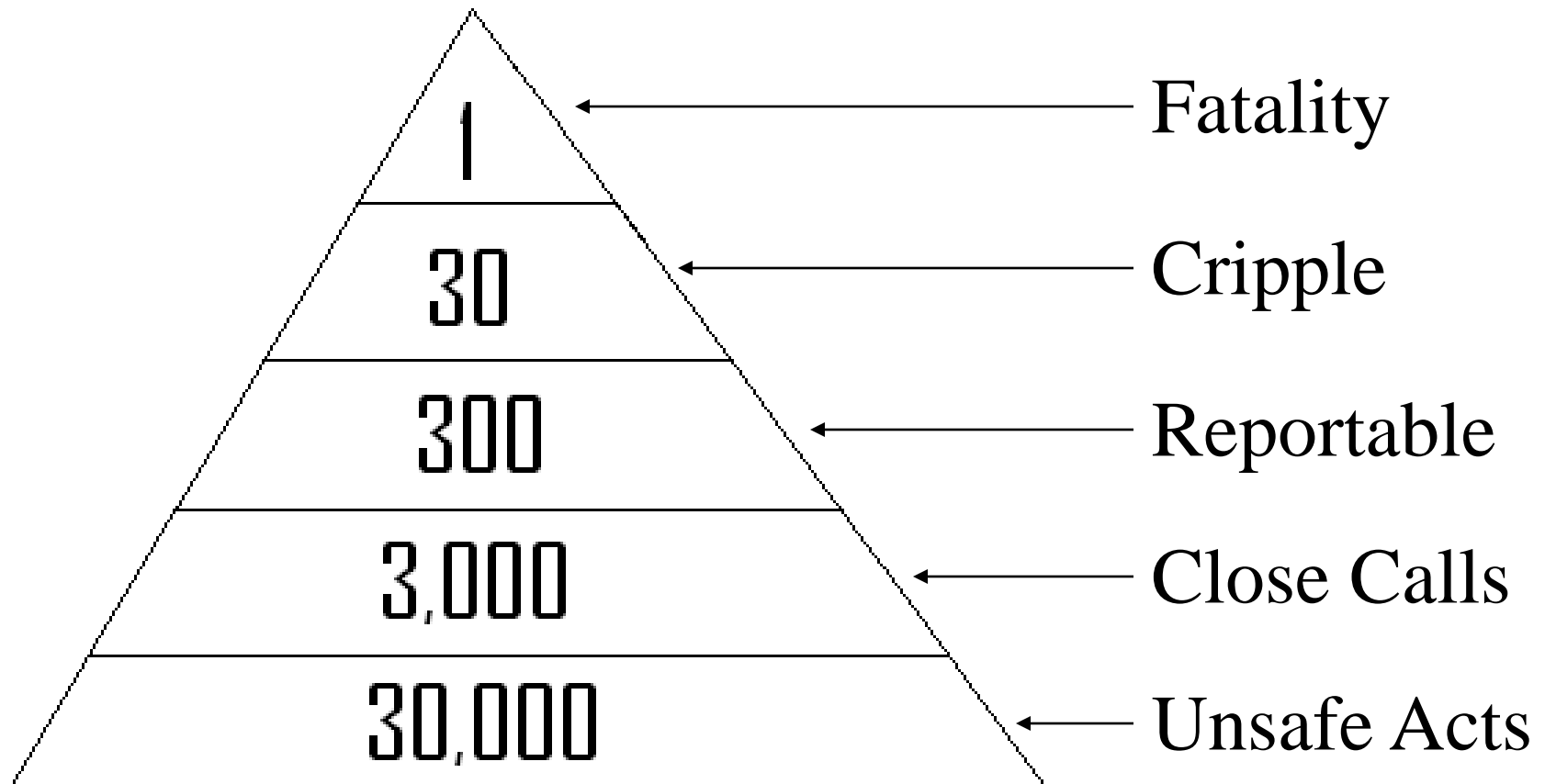
□ Labor History



□ Safety

- Train Accidents
- Personal Injuries
- Hazard Material Releases
- Grade Crossing Incidents & Trespassing
- Freight Damage

□ Accident Pyramid





- Measure Reliability

- How Trains Run
- Terminals
- Customer Switching

- Financial Drives

- Asset Utilization
 - Crews
 - Locomotives
 - Cars
 - Terminals
 - Track & Bridges
- Operating Ratio



□ Customer Satisfaction (service)

■ Time

■ Reliability

■ Ease of Doing Business

■ Cost (Price)



□ Mergers and Spin-Offs

- Secondary Main Lines
- Branch
- Light Traffic
- Abandonment
- Regional / Short Lines
- States

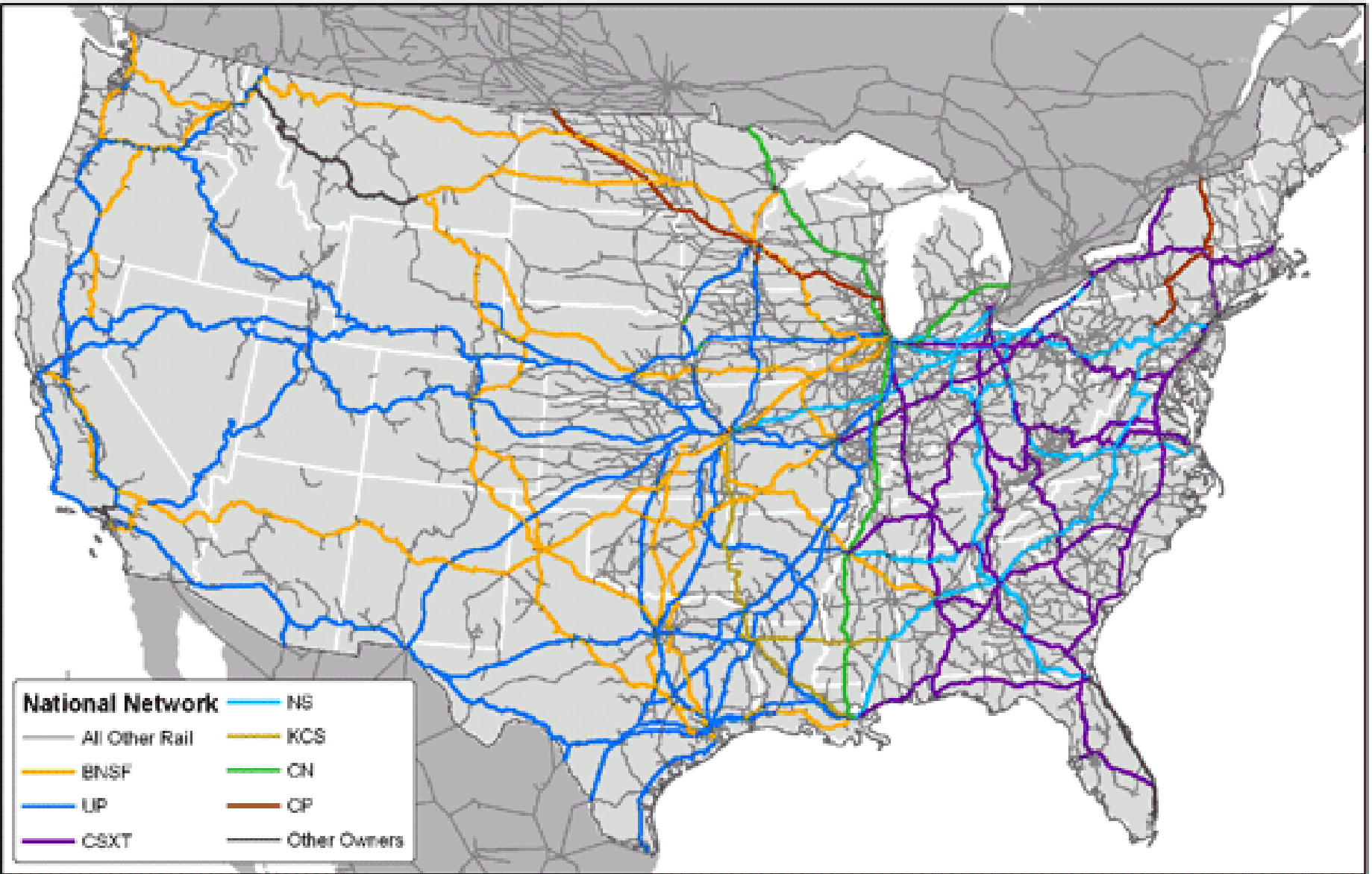
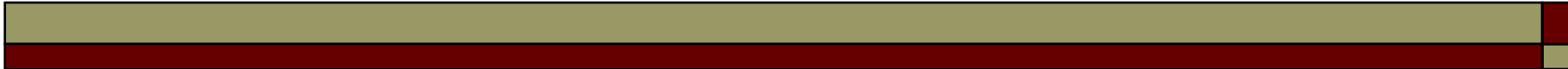


□ Traffic Density

- Eliminate Parallel and Branch Lines
- Concentrate on Main Lines

□ Route Rationalization

- Low Density Lines – Local Industry (States)



U.S. Freight Rail Traffic

