What Are “We” Up To?

The Passenger Perspective
Three Areas of Activity

- Regulatory Language
- Analysis
- Support
Regulatory Language

- The RSIA of 2008
- Created an Opportunity to Consider Industry Issues:
  - Scientific and Medical Research
  - Technology
  - Passenger Railroad Scheduling & Practices
  - Differences Between Freight and Passenger
Regulatory Language

- RSAC Working Group Started June `09
- Established a Task Force
- Laid Ground Work for Regulation
Regulatory Language

- Four Core Elements
  - Base-Line Limits: 12 / 8
  - Scientific Analysis
  - Fatigue Mitigation Plans
  - Training
Regulatory Language

- Core Elements To Be Supplemented

  With Statutory Language By FRA

- Result = Part 228, Subpart F
Analysis

Two Pronged:

- Analyze schedules using an approved biomathematical model
- Survey employees to determine actual work/rest habits
Schedule Analysis

- @ 80% of Passenger Schedules Analyzed
- Majority at Risk For Fatigue <1% of the Time
Analysis: Daylight Overtime Assignments

$s1-mnc911-13.3hr-swing-5d 5hr  sip 4am: 19:39B A O Ef: 79.13, Description: metro north - 1$

$s1-mnc911-13.3hr-swing-5d 5hr  sip 4am-90 in nap: 19:39B A O Ef: 89.64, Description: metro north - 1$
Analysis: Five Midnights
SEPTA’s Scheduled Assignments

- 941 Regular Assignments
- 13 At Risk
- All Were Overnight Schedules
Extra List & Relief Day Data

- July, 2009: All Extra-List and Relief Day Work
  - SEPTA: @1% At Risk
  - MNRR: @1.7% At Risk
  - LIRR: @1.1% At Risk
Results Of The Schedule Analysis?

- “Time of Day” Presents the Challenge,
  Not Necessarily “Time on Duty”
- Potential Problem for Both Regular and Extra-List Assignments
Work Survey Analysis

- More Time Consuming Than Schedule
- Limited Response From Target Audience
- Anticipate Results Sept. – Oct.?
Support

- Support Plan:
  - Articulate Schedules That Do Not Require Modification
  - Identify Countermeasures For At-Risk Conditions
  - Provide Means For Compliance

- Published on FRA Web Site
Support

- A Fatigue Analysis Tool
- A Guidance Document
- A Appendix to Subpart F
Fatigue Analysis Tool

- FRA Working On The Acquisition
- Performance Specifications are Critical
- Discussions On Relating Hours-of-Service Records to Fatigue Modeling
Guidance Document

- An Aid For:
  - Conducting Analysis
  - Selecting Mitigations

- Mitigation Strategies
  - Based on Dr. Gertler’s Work
  - 7 Categories
    - @ 53 Separate Initiatives
Tentative Timeline

- Draft rule to RSAC Working Group on 5/20
- Submit Consensus Recommendation to the Full RSAC (possible electronic vote)
- NPRM In Fourth Quarter of 2010
- Final Rule No Later Than October 2011
- The Task Force To Complete Support Materials
Questions?