



National Inspection Plan



What Is The NIP?

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- The National Inspection Plan (NIP) uses historical information to estimate how inspection levels affect accident rates.
- With these estimates, we can optimally assign resources.
- Goal: Lower fatality, injury, and accident rates.



Background and Objective

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- Background
 - FRA Regional Administrators.
 - Office of Management and Budget wants FRA to:
 - Relate resources to agency goals.
 - Launch an initiative that improves efficiency.
 - Office of the Inspector General.
 - Rely less on individual discretion and more on data analysis (i.e. National Inspection Plan (NIP)).
 - FRA responds with the Rail Safety Action Plan which includes an implementation schedule for NIP.
 - Congressional interest.
- Objective

Develop a plan to target inspection resources to achieve agency goals.



Minimize:

- Total Accident/Incident Rate
- HAZMAT Release Rate



National Inspection Plan

Three Steps

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- Optimization model provides a baseline.
 - One plan for operating practices, track, and MP&E in each region.
 - Plans for hazmat and signal to follow.
 - Targets the mix of inspections, not the amount.
 - Federal inspectors only.
 - Generally, changes limited to +/- 10%.
- Administrators' make adjustments to the baseline to produce the final plan.
- Execution tracking.

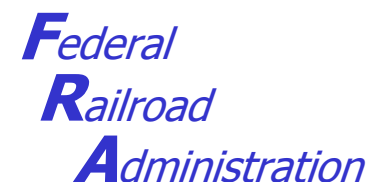
The numbers part
of the process.

The human
judgment part of
the process.

The performance
part of the process.



Baseline Plan and Regional Adjustments



- Baseline plan was issued Aug 1, 2005.
- FRA Regions made adjustments.
 - No restrictions.
 - Adjustments must balance.
 - Adjustments must be explained by a brief remark.
- Plans were locked in mid-September.
- Execution tracking.
 - Begins Oct 2005.
 - YTD percentages will show progress towards final target.
- No mid-year update is planned. ←
- End of year reconciliation.

Let's try this process for a year
and see if this is really needed.



Summary of FY 06 Plan

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- Operating Practices.
 - More focus on major freights, especially big yards.
 - Less focus on regional and short line RRs.
- Track.
 - Mixed results.
- MP&E
 - Less focus on major freights in general.
 - More focus on regional and short line RRs.



National Inspection Plan Summary

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- Uses historical information and data analysis in the first step of the planning process.
- Three steps in the process.
 - Optimization model provides a baseline (FY 06 baseline issued August 1).
 - Administrators make adjustments to the baseline to produce the final plan (Adjustments were locked in mid-September).
 - Execution tracking starts October 2005.