Safe, efficient, and reliable air traffic system is critical
AVIATION AND LEAN MANUFACTURING

Safe, efficient, and reliable air traffic system is critical
A CYCLICAL INDUSTRY

World airlines net profits

NET PROFIT (2000 US$B)


NET PROFIT (2000 US$B)
SAFETY STAFFING REMAINS A PRIORITY

Controller Staffing (FY 07)

- Target
- Actual

Oct, Nov, Dec, Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep

NEXTRANS - Integration Across Goals

May 5, 2008
CONGESTED AREAS WILL GROW MOST

Congested airports

NEXTRANS - Integration Across Goals

May 5, 2008
CONGESTED AREAS WILL GROW MOST

2006 lightning data

NEXTRANS - Integration Across Goals

May 5, 2008
CONGESTED AREAS WILL GROW MOST

2006 lightning data
DELAYS WILL WORSEN

Average delay per flight (minutes)

NEXTRANS - Integration Across Goals

Federal Aviation Administration

May 5, 2008
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May 5, 2008
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Average delay per flight (minutes)

NEXTRANS - Integration Across Goals

May 5, 2008
NEW CONTROLLER TOOLS

CURRENT MANUAL TASKS

Voice Communications
Problem Recognition
Problem Resolution
Routine Overhead Tasks
Separate, Dependent Systems

NEW AUTOMATED TOOLS

Data Communications
Scan & Detection
Assisted Resolution
Automatically Handled
Integrated Systems & Displays

NEXTRANS - Integration Across Goals
May 5, 2008
The Timeline

2016

New Integrated Services

Implementation

2007

Lab Evaluations & Concept Demos
Initial Cost/Benefit Estimates
Initial Performance Standards
Field Prototypes/Trials
Final Performance Standards
Certification Requirements
Investment Analysis

EXTRAS - Integration Across Goals

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IT'S JUST AROUND THE CORNER

2016

What system will she be flying on?

NEXTRANS - Integration Across Goals

May 5, 2008

Federal Aviation Administration