



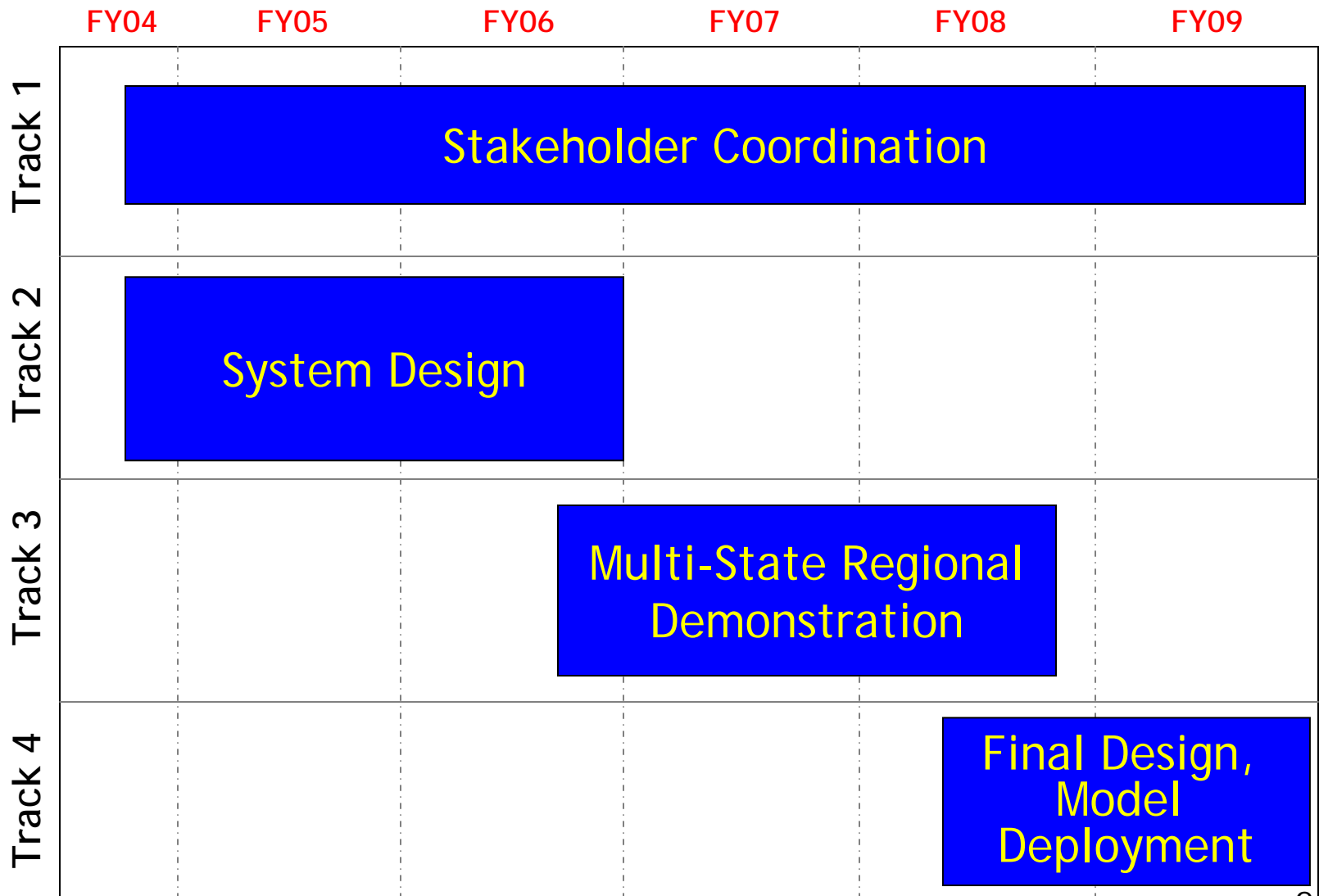
Clarus Roadmap, Evaluation & Outreach

Clarus ICC Meeting 1

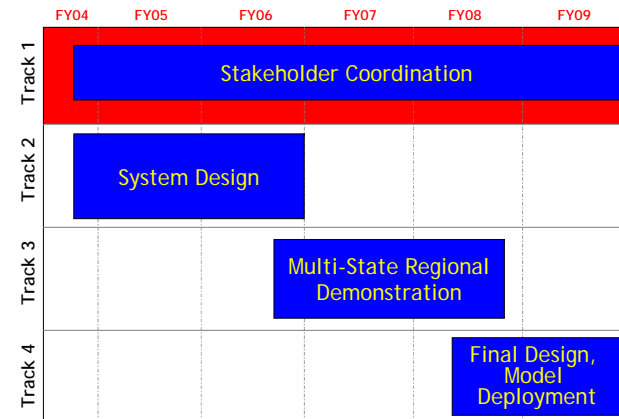
Sept 23, 2004

James Pol – USDOT

Clarus Roadmap Overview

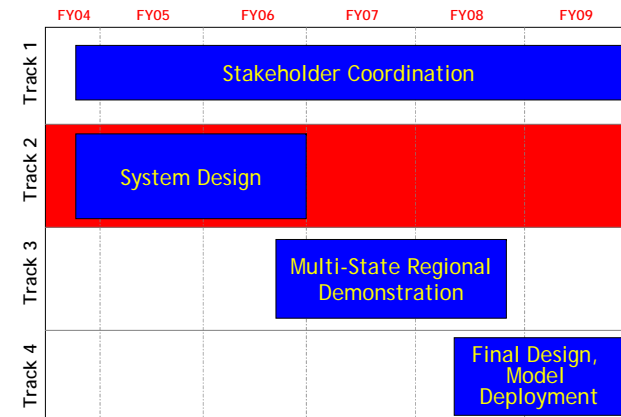


Stakeholder Coordination



- Purpose
 - Promote multilateral stakeholder ownership, consensus in design & build partnerships.
- Activities
 - Establish partnership with NOAA
 - Create Initiative Coordinating Committee
 - Directly engage stakeholders at key decision points and throughout the initiative
 - Source of interdisciplinary expertise for design reviews and guidance
 - Transportation; Weather; Private Sector, Academic

System Design



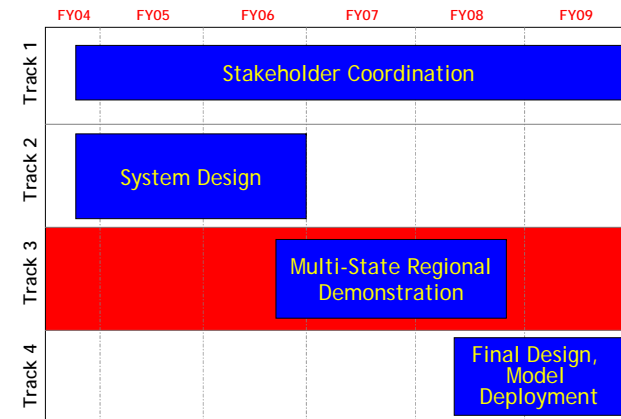
- Purpose
 - Establish data management for road weather observations and forecasts that serve the needs of disparate user communities.
- Activities
 - Create concept of operations
 - Identify possible constraints
 - Integrate state road weather data with NOAA data
 - Create engineering design documentation



System Design

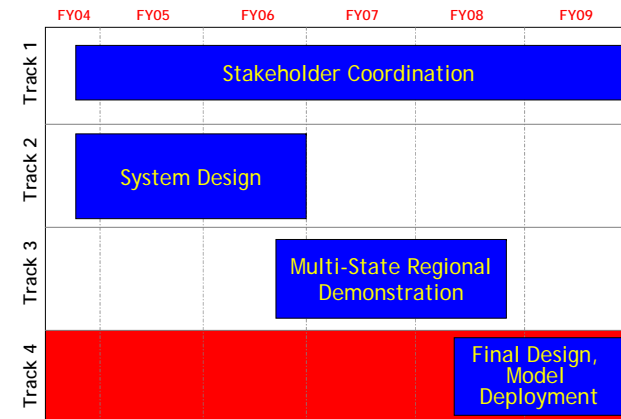
- Release RFP for System Design
- Intent to award in Spring
- Full and Open Competition
- Scope prepared with input from FTA, FMCSA, NHTSA
- System Design phases following ConOps; including a Proof-of-Concept
- Announcement to be placed in <http://www.eps.gov>

Multi-State Regional Demonstration



- Purpose
 - Achieve regional multi-state collection with quality control and enhanced forecasting capabilities.
- Activities
 - Selection criteria & location selection
 - Leverage VII proof of concept test to fully exploit VII capabilities to deliver real-time data
 - Develop regional system design
 - Implement multi-state regional demonstration
 - Evaluate demonstration

Final Design, Model Deployment




- Purpose
 - Establish package of products that are readily implemented by stakeholders and that are solely supported by the stakeholders.
- Activities
 - Develop enhanced system design
 - Design & implement a more robust Internet data portal with hooks for new technologies such as CCTV & VII
 - Implement enhanced demonstration & evaluation
 - Create revised regional and nationwide Clarus system design
 - Document all lessons learned and design guidance



Achievements through Clarus

- Enhanced forecasting for surface transportation
- Stable, reliable access to road weather information and other weather sources
- Broadened participation for NOAA/NWS in surface transportation weather
- A regional model deployment of the observation data-sharing network and a suite of forecasting tools enabled through the Clarus system design



Key Role of Evaluation and Outreach

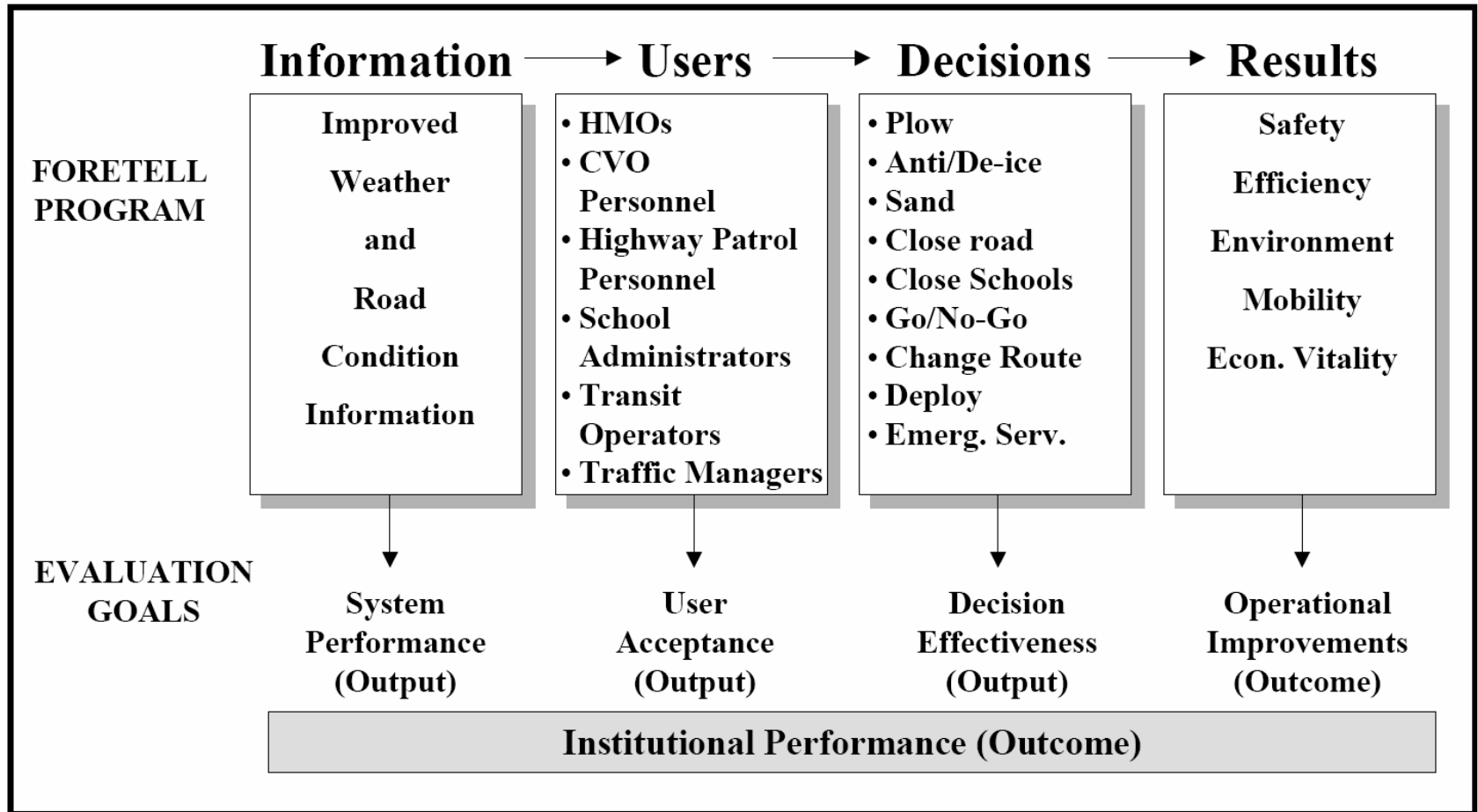
- Forges stronger ties between NOAA and USDOT
- Good practice for systems engineering process
- Promotes deployment that satisfies the true customer needs
- Helps to justify investments to elected and other public officials; stockholders



What is Evaluation?

- **OUTPUTS**
 - What is actually placed out there?
 - Capturing the deployment
- **OUTCOMES**
 - How did the deployment help?
 - Capturing the benefits
- **OUTREACH**
 - How do we get others to learn from this?
 - Capturing the audience (*especially decisionmakers*)

Outputs & Outcomes





Evaluation Emphases

- Measureable Impacts
- Measureable Results
- Measureable Effects

- Quantifiable Evaluation Elements



Outreach Emphasis

- Establish package of products that are readily implemented by stakeholders and that are solely supported by the stakeholders.
- Questions:
 - What will stimulate agencies to deploy Clarus?
 - How does Clarus fit into the needs of the private sector for securing their market?
 - What kind of benefits will justify the investment?