



# *Portland International Airport (PDX)*

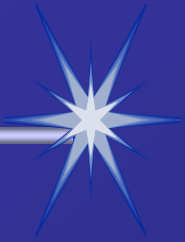
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## *Technology Master Plan*

*Kick-off Meeting*

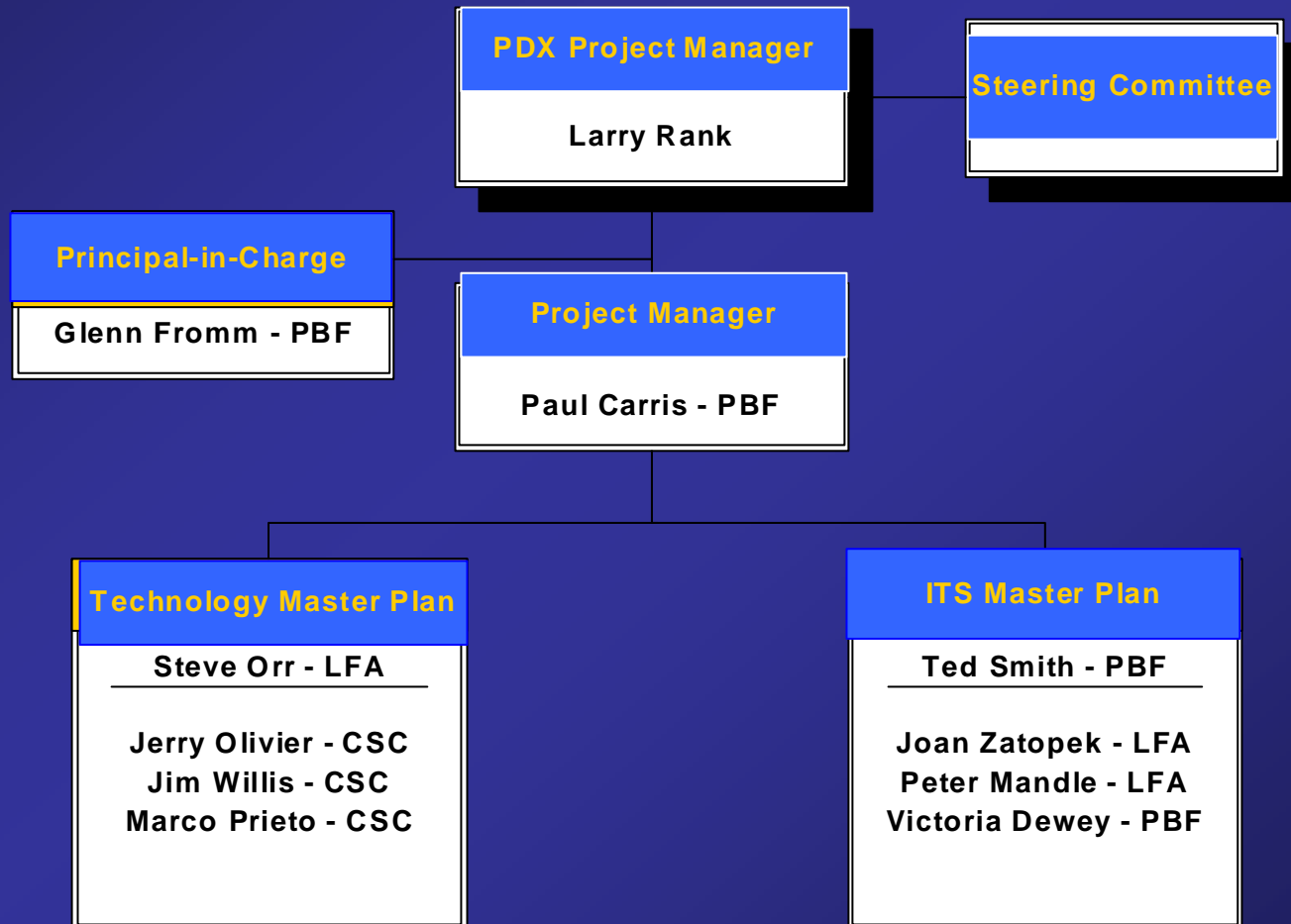
*January 23, 2001*

# *Main Topics*



- *Welcome and Team Introductions*
- *Proposed Work Plan*
- *IT & ITS Master Plan Approach*
- *System Walk-through Examples*
- *Discussion*
- *Next Steps*

# The PBF Team Organization Chart



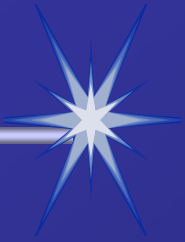


# *Key Elements of the PBF Team Approach*



- Focused on meeting PDX needs today and tomorrow*
- Recognize the importance of stakeholder involvement*
- Recognize the synergies of an IT and ITS Plan*
- Recognize the need to use your knowledge with our expertise to successfully develop a Plan*

# *It Master Plan Proposed Approach*



- *The IT Master Plan has 4 phases:*
  - *Situation Assessment*
  - *Strategy Formation*
  - *Infrastructure Development*
  - *Recommendations*

# *IT Master Plan Approach Situation Assessment*

- *Define business needs and identify IT & ITS opportunities*
- *Form cross-functional work group to ensure stakeholder representation and coordination with ITS planning effort*
- *Review existing documentation & related projects*
- *Perform inventory and assessment of identified IT & ITS systems*



# *IT Master Plan Approach Strategy Formation*



- *Develop specific application and integration strategies including:*
  - *Wireless Data and Telecommunications*
  - *CUTE*
  - *CUSS*
  - *MUFIDS*
  - *Landside Access Systems*



# *IT Master Plan Approach Infrastructure Development*



- Synthesis of IT and ITS master planning efforts*
- Design of common technology infrastructure to meet required needs of both planning efforts*
- Emphasis on flexibility and future scalability*

# *IT Master Plan Approach Recommendations*



- Implementation plan development*
- Indicative costs of proposed infrastructure*
- Procurement strategies*
- Maintenance and support requirements and associated strategies for the planned infrastructure*



# *Provide the Best Information Possible to the Traveling Public*



## *Processes:*

- *Airlines input flight data*
- *Data displayed controlled by airlines*
- *Information displayed at airport*

## *Information Model:*

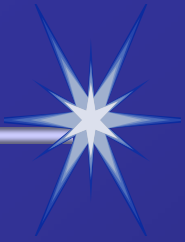
- *Airlines have flight info*
- *Displays require wired connection*

# Process Re-engineering



- *Airlines input flight data.*
  - *Default data from FAA, airlines edit when necessary.*
- *Data displayed controlled by airlines.*
  - *Data displayed based on user needs.*
- *Information displayed at airport.*
  - *Information displayed at airport, over internet, to other applications.*

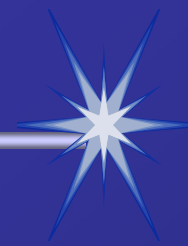
# *IT System - MUFIDS*



- Default info from FAA*
- Airline edits through local station or national reservation center*
- Displays based on web technologies*
- All info regarding flight available*
- Data kept in historical archive*



# *Provide the Best Airport Access to the Traveling Public*



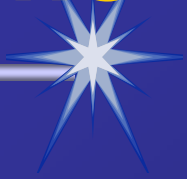
## *→ Processes:*

- External providers create service*
- Airport sets standards to regulate*
- Airport sets a fee structure*
- Airport provides access for operations*



# *ITS System*

## *Commercial Vehicle Operations*



- *Identify PDX Business Goals*
  - *Generate Revenue*
  - *Manage Terminal Frontage Congestion*
  - *Restrict Undesirable Operators*
  - *Satisfy Air Passenger Needs*
- *Match PDX Business Goals w/  
Operator Goals & Physical  
Infrastructure*



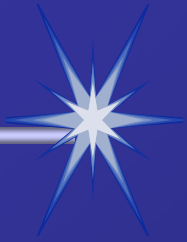
# *ITS System Commercial Vehicle Operations*



- Matching Business Goals with other Factors determines what ITS technologies should be deployed and how.*
- What are the integration opportunities with other systems that provide economies of scale and/or functionality that never existed before?*



# *Discussion*



→ *PDX / Port of Portland Expectations*



# *Next steps*



- *Identify other key personnel and stakeholders*
- *Continue review of existing projects and relevant documentation*
- *Gather schedule inputs*
  - *Related project time lines*
- *Develop Project Schedule*
  - *Identify Interview Schedules and Workshops*