

Landside Capacity Analysis

FY09 Work Plan – Activity #17A

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Definition/description of activity:

Assess the ultimate ground capacity of selected OEP 35 airports and identify actions to address capacity limitations.

Synthesize airport and airline efforts in terminal building operations as related to NextGen initiatives, including passenger, baggage, and security processing and screening.

Activity Milestones (by quarter):

1Q09: Develop methodology for landside capacity analysis; coordinate with IPSA.

2Q09: Continue to gather data and refine analysis.

4Q09: Publish summary paper and identify OI revisions.

What is the expected outcome/product?

- Assessment of the ultimate ground capacity of selected OEP 35 airports.
- Literature and research review to identify emerging trends.
- Identify potential actions to address capacity constraints:
 - Increased use of remote passenger processing facilities with, or without, security screening and bag check capability
 - Use of secure transportation from remote facilities to secure departure lounges
 - Use of more vertical passenger terminal designs with multiple curb levels
 - Increased use of technologies to accelerate on-airport passenger processing and other similar remedies.
 - Develop new airports.

How will the product be used when it is complete?

- The results of the landside capacity analysis will inform the development of new landside OIs for analysis by IPSA.
- Identify needed updates and alignment with JPDO planning documents, such as:
 - Liaison with Security WG on OI-4105 and related IWP data elements.
 - Further develop OI-5014, OI-5015, and related IWP data elements.
 - Liaison with FACT 2 Study team
- The results of the landside capacity analysis may inform requirements for new policy development regarding new airport development.

ISSUES – WG CAN DO

- Identify potential actions to address capacity constraints:
 - Increased use of remote passenger processing facilities with, or without, security screening and bag check capability
 - Use of secure transportation from remote facilities to secure departure lounges
 - Use of more vertical passenger terminal designs with multiple curb levels
 - Increased use of technologies to accelerate on-airport passenger processing and other similar remedies.
 - Develop new airports.

ISSUES – WG CAN'T DO

Assess the ultimate ground capacity of selected OEP 35 airports and identify actions to address capacity limitations.

Synthesize airport and airline efforts in terminal building operations as related to NextGen initiatives, including passenger, baggage, and security processing and screening.

These are functions that need to be carried out by JPDO professional staff or consultants, not by assignment to volunteer working group members