

APPENDIX A: SURVEY QUESTIONNAIRE

ACRP PROJECT 11-03

NOVEMBER 2018

AIRPORT COOPERATIVE RESEARCH PROGRAM

**TRANSPORTATION RESEARCH BOARD
NATIONAL RESEARCH COUNCIL**

ACRP PROJECT 11-03 SYNTHESIS TOPIC 03-15 AIRPORT PLANNING FOR AIRLINE UPGAUGING

Welcome!

Respondent Information

Please enter your contact information.

First Name*: _____

Last Name*: _____

Title*: _____

Airport / Organization*: _____

Email Address*: _____

Phone Number: _____

Introduction

1) Has your airport recently experienced a major change in passenger and/cargo activity (either in terms of volume or type) that has required some adjustments in your airport operations?

Yes

No

2) If the answer is Yes, was this change related to:

	Please indicate	Comments(Optional)
--	------------------------	---------------------------

	the year(s)	
Significant increase of passenger volume	___	___
Significant decrease of passenger volume	___	___
Significant increase of cargo activity	___	___
Significant decrease of cargo activity	___	___

Drivers of Upgauging (or Loss of Service)

3) What was/were the main driver(s) of this change of airport activity? [please check all that apply]

- Successful Air Service Development effort from the Airport
- Airport approached by a new airline to start service
- Airline(s) already operating at the airport who changed their operations (e.g. opening of new routes / destinations / markets)
- Loss of service / Airline(s) ceasing operations at the Airport
- Other (please specify):: _____

Comments:

Change of Airport Mission

4) Would you say that your airport has changed its mission as a result of this change of activity?

- Yes
- No

5) If the answer is Yes, please explain the conditions of this change:

From non-commercial service (General Aviation) to commercial service

Introduction of International Service

Downgrade of Airport NPIAS Category/Role due to Loss of Service

Focus on a different type of commercial service (e.g. from business to leisure travel), please explain:: _____

Other, please specify:: _____

6) If the answer is No, please summarize in few words your airport mission.

Change of Airport Activity

7) What was (were) the direct effect(s) of this change of airlines activity on airport operations?

	Please check all that apply	Please Explain
	Option 1	
Use of larger aircraft type	<input type="checkbox"/>	_____

Increase of flights frequency: e.g. more weekly/daily operations	[]	—
Use of smaller aircraft type	[]	—
Decrease of flights frequency: e.g. less weekly/daily operations	[]	—
Other, please specify:	[]	—

Impacts and Challenges due to Airport Activity Change

8) What were the main issues and challenges faced by the airport due to airline upgauging? Please rank in order of significance of impact ("1" representing the most critical challenge for the airport):

	Rank [1 through 3]		
	1	2	3
Capacity / Facility Needs	—	—	—
Future Activity Assessment, Traffic Demand Uncertainty	—	—	—
Operations and Management	—	—	—
Coordination with Airline Partners	—	—	—
Coordination with Regulatory Agency(ies)	—	—	—

Construction / Implementation	___	___	___
Financial / Capital Investments	___	___	___
Safety / Security	___	___	___
Other (please specify in the Comments box)	___	___	___

Comments:

9) AIRSIDE / AIRFIELD IMPACTS

Please indicate the primary impacts/issues experienced on the Airside and Airfield: [please check all that apply]

- New runway, runway extension or design changes due to new Aircraft Type
- Taxiway improvements/design change due to new Aircraft Type
- Need for new lighting system, and/or additional navigational equipment (NAVAIDS) in order to upgrade departure/approach procedures
- Need to upgrade departure/approach procedures, without additional equipment (e.g. obstruction mitigation or new GPS procedure)
- Needs related to the provision of Air Traffic Services
- Other, please specify: _____

10) APRON / AIRCRAFT PARKING

Please indicate the primary impacts/issues experienced on the Terminal Apron (“Non-Movement Area”): [please check all that apply]

- Apron area expansion for new gates, and/or gate upgauging due to new Aircraft Type
- Passenger loading issues: need for new loading bridge and/or for bridge replacement
- Additional remote parking positions and/or Remain Over Night parking
- Issues related to fueling operations (trucks/carts or fuel hydrant system)
- Issues related to GSE utilization and storage (e.g. shared-use equipment)
- Other, please specify: _____

Passenger Terminal Facility Needs

11) In the case of Upgauging, did the increase of airport activity require any modifications/adjustments of the passenger terminal facilities?

- Construction of a New Passenger Terminal Building
- Major Expansion of existing Passenger Terminal Building
- Minor Modifications of existing Passenger Terminal Building
- Not applicable

Comments:

12) In the case of Upgauging, what elements of the Terminal Building have required the main changes/adjustments? [please check all that apply]

- Internal corridor space and passenger hold areas to handle the increased number of passenger disembarking.
- Expansion of concession areas to serve the additional travelers and to help defray the costs of renovations.
- Security screening checkpoints for departure passengers.
- Check-in area: need for additional waiting space, need for additional conventional counters, self-service kiosks.
- Outbound baggage handling system, from check-in to aircraft loading (e.g. screening, make-up area)
- Inbound baggage handling system, from aircraft unloading to baggage claim. (e.g. baggage claim belt capacity)
- Need for new international facility area; need for FIS/CBP expansion and additional equipment.
- Other, please specify:: _____
- Not applicable

13) In the case of "Downgauging" (Loss/Reduction of Service), did the reduction of airport activity require any modifications/adjustments of the passenger terminal facilities?

Closing of the Passenger Terminal facility

Preserving of the facility as it is (no major changes)

Preserving of the existing space and adjustments made inside the terminal building (e.g. concourse space reconfiguration/retrofit)

Other, please explain:: _____

Not applicable

14) In the case of "Downgauging" (loss/reduction of service), please briefly explain what efforts have been done to reposition the surplus of space or equipment and the cost or new overhead expenses associated to it?

Airport Access and Landside Needs

15) What elements on the Landside have required the main changes/adjustments? [please check all that apply]

Need for additional auto parking space (e.g. new parking garage, new parking surface lots, extension of existing parking).

Reconfiguration of the airport access roadway system and/or terminal curbside.

Issues and/or specific needs for taxi and TNC operations due to the increase of traffic at the airport.

Issues and/or specific needs for public transit due to the increase of traffic at the airport.

Other, please specify: _____

Cargo Facility/Operations Impacts

16) Please indicate the primary impacts/issues experienced at the airport due to the change of cargo activity (if any).

	Please check all that apply	Comments (optional)
	Option 1	
Need for a new cargo facility or expansion of existing facility.	<input type="checkbox"/>	—
Expansion of existing Cargo Facility.	<input type="checkbox"/>	—
Needs/Issues related to cargo loading and unloading: e.g. main deck platform loader, lower lobe platform loader.	<input type="checkbox"/>	—
Needs/Issues related to cargo transport: e.g. tractor, cargo container dolly, cargo containers, forklift.	<input type="checkbox"/>	—
Needs/Issues related to fueling operations (trucks/carts or fuel hydrant system).	<input type="checkbox"/>	—
Others, please specify:	<input type="checkbox"/>	—
None	<input type="checkbox"/>	—

Use of Temporary Facility

17) Did you use or are you planning to use any temporary facility in order to handle the change of activity in the short term?

	Please describe the type of Facility
Yes for passenger activity:	—
Yes for cargo operations:	—
No	—

Relationship/Communication with Airline Partners

18) Was there any communication/relationship building required with airline partners due to the change of activity at your airport?

() Yes

() No

19) How would you rate the communication and coordination process that have taken place with airlines during the planning and implementation of necessary changes at your airport:

- Excellent
- Good
- Satisfactory
- Poor

Comments:

Part 139 Requirements

20) Did the change of activity at your airport require modifications of your Part 139 Operations and Certification process:

- Yes
- No

21) If the answer is Yes, were these changes related to:

	Please check all that apply	Comments (optional)
	Option 1	
Change of Airport Part 139 Class	<input type="checkbox"/>	___
Major changes in Airport Certification Manual (ACM)	<input type="checkbox"/>	___
Provision of fuel service	<input type="checkbox"/>	___
Aircraft Rescue and Fire Fighting (ARFF) operations	<input type="checkbox"/>	___
Major changes in Airport Emergency Plan (AEP)	<input type="checkbox"/>	___

Impacts on snow and winter events requirements (e.g. deicing operations)	[]	—
Others, please specify:	[]	—

22) How would you rate the communication and coordination process that have taken place with the FAA Airport District Office (ADO) during the implementation of the necessary changes at your airport:

- Excellent
- Good
- Satisfactory
- Poor

Comments:

TSA 1542 Security Requirements

23) Did the change of activity require any modification(s) related to TSA 1542 Security Requirements for your airport:

- Yes
- No

24) How would you rate the communication and coordination process that have taken place with the Transportation Security Administration (TSA) during the implementation of the necessary changes at your airport:

- Excellent
- Good
- Satisfactory
- Poor

Comments:

Airline Agreements, Costs, Revenues, and Benefits

25) Did the change of activity at your airport require an adjustment of your terminal and/or facility leasing structure:

- Yes
- No

26) If the answer is Yes, were these changes related to:

	Please check all that apply	Comments (optional)
	option1	
Gates rental and allotment	<input type="checkbox"/>	___
Terminal space and/or equipment	<input type="checkbox"/>	___
Apron space and/or Hardstands (Aircraft Parking Position)	<input type="checkbox"/>	___
Apron / Airfield Ground Support Equipment	<input type="checkbox"/>	___
Others, please specify:	<input type="checkbox"/>	___

27) Was there any specific agreement made with airline partners in order to share the financial risks associated with the costs and investments involved in the upgauging process? (e.g. commitment to capital investment, operational expenses, abatement of revenue, staffing):

- Yes
- No

28) If the answer is Yes, can you please provide a high-level overview of the types of agreement reached upon with the airline(s).

29) Please describe the benefits that the airport has seen (or is expected to receive) from the investments made to support the activity growth?

Environmental Planning and Community Involvement

30) Did the change of activity at your airport require the preparation of additional plans and/or programs related to Environmental Planning and Community Involvement:

Yes

No

31) If the answer is Yes, please specify as part of which local/state/federal program:

	Please check all that apply	Comments (optional)
	Option 1	
Local noise abatement program (e.g Part 150 study)	<input type="checkbox"/>	___
Environmental plan as part of the FAA NEPA process (e.g. EA, EIS, Part 150 study)	<input type="checkbox"/>	___
Public Involvement Program (PIP)	<input type="checkbox"/>	___
Airport Master Plan study	<input type="checkbox"/>	___
Others, please specify:	<input type="checkbox"/>	___

ACRP Synthesis Report

32) May the research team contact you in the future for additional information on your airport's experience with issues and challenges related to Airline Upgauging? If so, we will use the contact details you gave us at the beginning of this survey.

Yes

No

Thank You!