

Apps for Airports--Synthesis

Click here to see problem statement in IdeaHub: <http://ideascale.com/t/UKsrZBPoQ> (Note: you must be a registered user in myACRP/IdeaHub.)

TAGS: Administration, Airport Planning, Customer Experience, Emergency Management, Information Technology, Operations, Security

STAFF COMMENTS

This problem statement has been submitted previously; this version appears to have a little more detail. Would need to avoid promoting specific products. It appears to require more than a synthesis. The proposed research could be added to Problem Statement 63: Software Solutions and Tools for Airport Administration.

AVERAGE INDUSTRY RATING SUMMARY

	Committees ¹	Airport Community ²
Achievable	1.50	3.67
Applicable	2.00	3.23
Implementable	2.00	3.24
Understandable	1.50	3.30
OVERALL	1.75	3.27

Notes: 1. Includes TRB aviation committees and committees from ACI-NA and AAAE.

2. Includes airport employees serving on active ACRP project panels.

[USE THIS LINK TO SEE DETAILED INDUSTRY RATINGS.](#) Click on the arrow in the Problem Statements dropdown menu in the upper right and select the problem statement number.

[USE THIS LINK TO SEE DETAILED INDUSTRY COMMENTS.](#) Click on the arrow in the Problem Statements dropdown menu in the upper right and select the problem statement number.

ACRP OVERSIGHT COMMITTEE (AOC) DISPOSITION

The average AOC rating among its voting members was 2.4 on a scale of 1 to 5. There was no discussion. The problem statement was not selected for ACRP funding and will be returned to the idea collection phase of ACRP's IdeaHub.

ACRP Problem Statement: 4

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OBJECTIVE

Bring to ready attention both some common utilized apps for typical business purposes as well as specialize apps for other functional purposes.

BACKGROUND

Apps have proliferated everywhere, yet probably only a few airport managers, planners, engineers, architects, etc. likely avail themselves of the rich and specialized variety of apps that might be applicable to their work. A synthesis or two may be warranted. A couple of examples of specialized apps that I have heard of, one was at the TRB annual conference are for roadway or runway surface roughness and for runway obstruction evaluation and documentation. Keith McCrea of Virginia Dept. of Aviation I recall mentioned the obstruction app and a Japanese vendor, see the attachment, developed the surface roughness app. A third app for registering noise complaints at PHX in cited below.

APPROACH TO RESEARCH

Develop a taxonomy of App functional areas such as Administration, Operations, Engineering, Finance, Security, etc.

Search online App stores for selective Apps.

Inquire with industry professionals at airports, consultants, academia, flight schools, etc for recommendations.

Purchase and sample Apps for use and conduct a Consumer Reports style rating if allowable

Set up a website and develop a template for crowd sourcing recommendations and reviews.

COST AND JUSTIFICATION

Each App Synthesis should be tailored to the \$30,000 - \$60,000 budget. If initial Synthesis App search is productive may extend this into a series of functional topic App Syntheses. A second project may be focused on developing the crowd sourcing web service akin to a Yelp or Trip Adviser for Apps for Airports.

RELATED RESEARCH

ACRP 03-27 [Final]

Evaluating Methods for Counting Aircraft Operations at Non-Towered Airports is a project that evaluated airport activity counting procedures and equipment.

ACRP 11-02/Task 23 [Final]

Alternative IT Delivery Methods and Best Practices for Small Airports

IDEA CREATOR

Person who first shared the idea with the IdeaHub community.

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OWNER/SUBMITTER

Person who volunteered to be responsible for developing the idea into a problem statement.

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