eVTOL Deployment

Suzanne Murtha
Vice President
Connected + Automated Technologies

Vertiport lessons learned and progress

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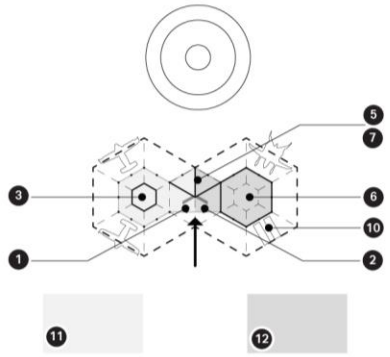

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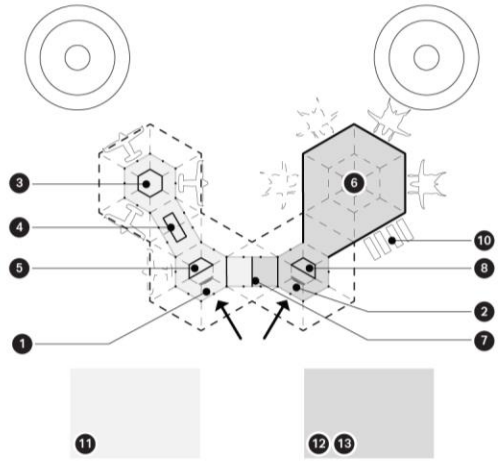

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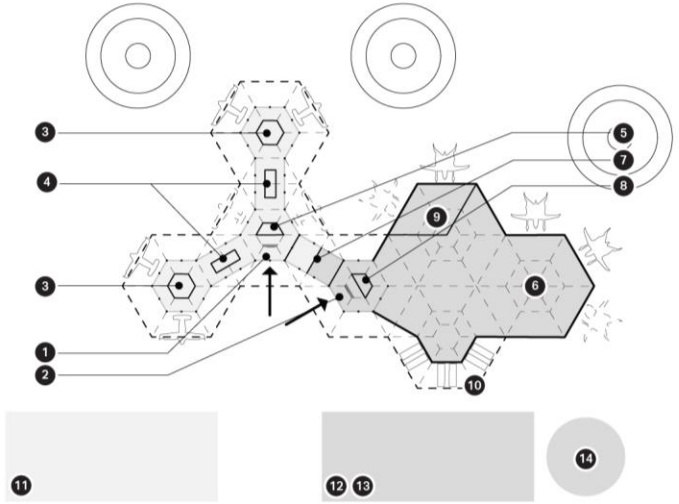


LARGE

PROGRAM ELEMENTS

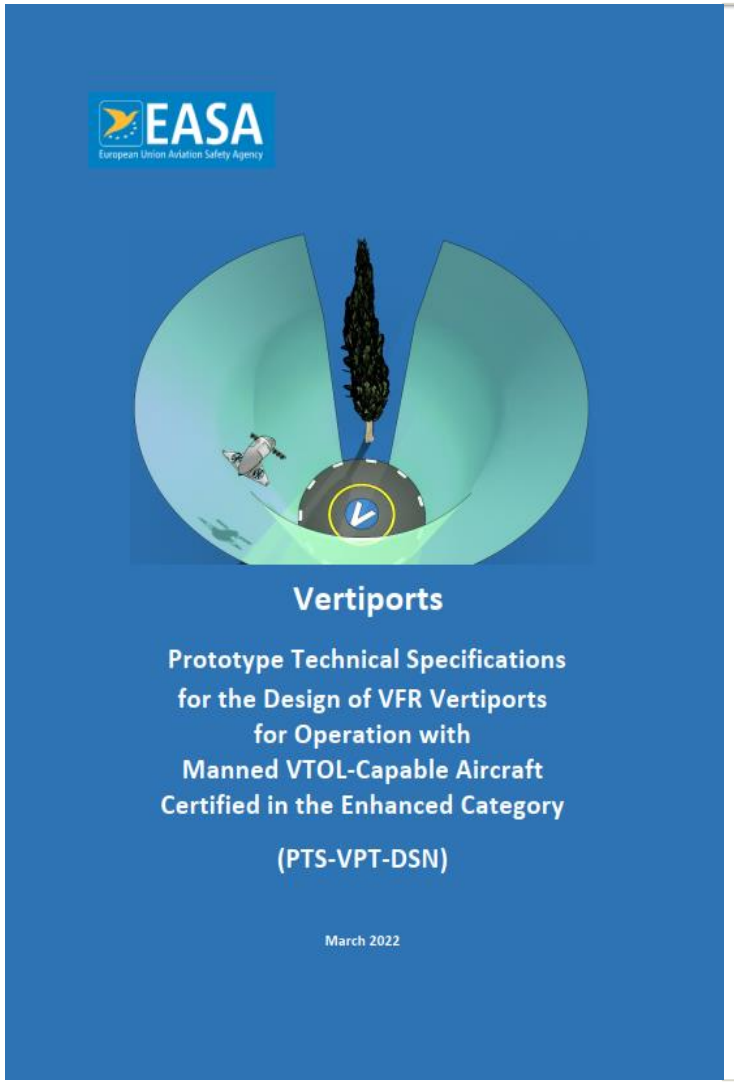
AAM OPERATOR

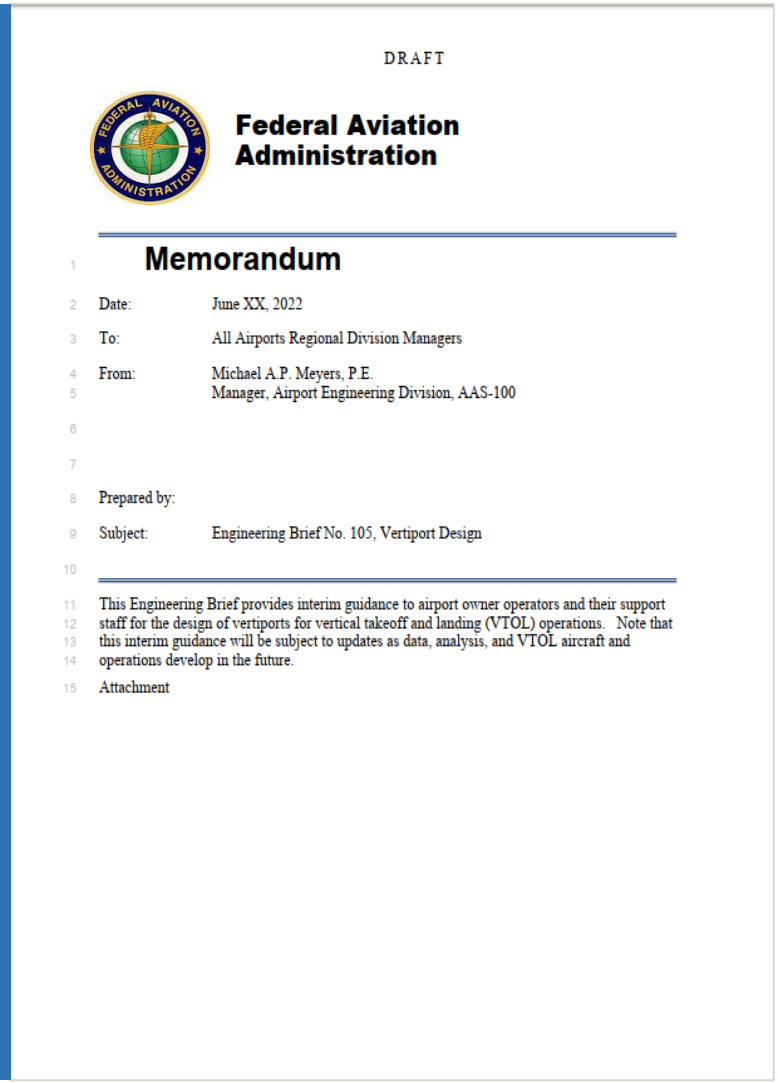
ENTRY

LOGISTICS OPERATOR

1. AAM PASSENGER ENTRY / RECEPTION
2. LOGISTICS FACILITY ENTRY / RECEPTION
3. VIP AND/OR PILOT LOUNGE
4. RETAIL / CONCESSIONS
5. SECURITY/ADMIN
6. LOGISTICS SORTING
7. ATC / OPERATIONS / BOH / MEP / IT
8. LOGISTICS ADMIN
9. MRO
10. LOGISTICS LOADING
11. AAM PASSENGER / EMPLOYEE PARKING
12. LOGISTICS USER / EMPLOYEE PARKING
13. LOGISTICS FLEET PARKING / CHARGING
14. CHARGING HELIX

Policies to support eVTOL deployment and full-route automation





DRAFT

Federal Aviation Administration

Memorandum

Date: June XX, 2022

To: All Airports Regional Division Managers

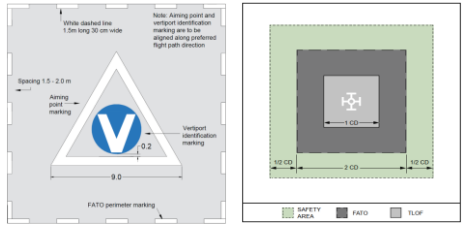
From: Michael A.P. Meyers, P.E.
Manager, Airport Engineering Division, AAS-100

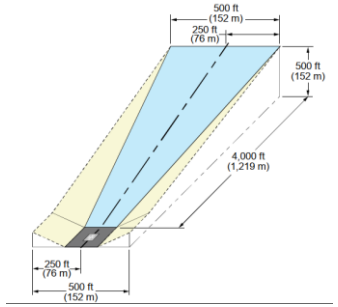
Prepared by:

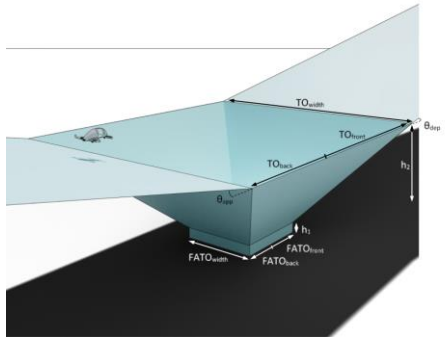
Subject: Engineering Brief No. 105, Vertiport Design

This Engineering Brief provides interim guidance to airport owner operators and their support staff for the design of vertiports for vertical takeoff and landing (VTOL) operations. Note that this interim guidance will be subject to updates as data, analysis, and VTOL aircraft and operations develop in the future.

Attachment







Policies to support eVTOL deployments and full-route automation

Turnpike Authorities

Toll Technology making their large facilities obsolete

Property must be re-purposed for “transportation needs”

Large plazas close to large metros

Income potential for eVTOL park & ride or logistics hubs

AECOM

Delivering a better world