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Company: Woolpert, Inc.

Title: Aviation Project Managers

Role: Willing to be a Moderator or a Presenter

Proposed Track for Attached Topic: Engineering

UAS A High-Performing Compliment to AGIS

Since the inception of Advisory Circular 150/5300-18B, airports have been required to submit any changes in safety critical data to the FAA's Airports GIS web portal. With the Airports GIS transition policy, airports that are Part 139 certified and/or airports that have an air traffic control tower are also required to submit changing non-safety critical data to the FAA's Airports GIS web portal. This presentation will cover alternative approaches to the collection of this airside data by utilizing Unmanned Aerial Vehicles (UAVs).

Each airport and each type of project may be unique, this presentation will further cover how several different project types have been handled utilizing UAS to meet the requirements of the AGIS web portal. These projects include runway extensions, obstacle removal/mitigation projects, taxiway/runway/apron rehabilitation projects and more. The discussion will include safety processes in place for UAS collection on an airfield, the time saved from having resources within an active airport operations areas, advantages to utilizing UAS for these projects and the accuracy that can be achieved on these projects.