



United States Department of the Interior Office of Aviation Services

300 E. Mallard Dr., Ste 200
Boise, Idaho 83706-3991

In reply refer to:
July 3, 2019

Memorandum

To: Steven Ramaekers, UAS Fleet Manager, Office of Aviation Services

Via: Brad Koeckeritz, UAS Division Chief, Office of Aviation Services

From: Mark L Bathrick, Director, Office of Aviation Services

Subject: Limited Authorization to Acquire and Operate Selected SZ DJI Technology Co., Ltd Unmanned Aircraft Systems

References: (a) U.S. Department of the Interior Office of Aviation Services Technical Report – DJI Unmanned Aircraft System (UAS) Data Management Assurance Evaluation dated July 2, 2019
(b) 49 U.S.C. § 40102(a)(41), 49 U.S.C. § 40125
(c) Federal Management Regulations (FMR 102-33)
(d) 112 DM 12, 350 DM 1

Reference (a) detailed a collaborative technical flight, mission, and security evaluation of DJI Matrice 600 Pro and Mavic Pro unmanned aircraft systems (UAS) equipped with DJI furnished “Government Edition” (Pilot App version 1.3 19743, Assistant 2 GE Version 9-5) software, firmware and hardware across an array of U.S. Department of the Interior (DOI) missions. The report concluded the evaluated GE equipped UAS safely met all required exit criteria for each component and phase of testing. Based on testing results, the report recommended the following:

1. Approve the purchase of M600Pro and Mavic Pro aircraft in the Government Edition configuration.
2. Maintain third party validation of any new or updated software, firmware, hardware, or ancillary DJI applications to ensure no data leakage occurs with these updates.
3. Limit the use of approved aircraft to non-sensitive missions that collect publicly releasable data.
4. Provide all DOI UAS operators and bureaus operating DOI UAS with copy of the Department of Homeland Security (DHS) Cybersecurity and Infrastructure Security Agency (CISA) *Cybersecurity Best Practices for Operating Commercial Unmanned Aircraft Systems*.

Based on the results and recommendations of reference (a) and in accordance with references (b) through (d), DJI Matrice 600 Pro and Mavic Pro aircraft specially configured with GE (Pilot App version 1.3 19743, Assistant 2 GE Version 9-5) are authorized for procurement as part of the DOI UAS fleet. No updates to the currently approved DJI hardware, firmware, and software are permitted without subsequent OAS approved third party validation and contingent on positive results, written OAS Director authorization. Bureaus should limit use of these aircraft to non-sensitive missions whose UAS collected data is publicly releasable.

