



Australian Government
Civil Aviation Safety Authority

SAFETY BULLETIN

RPAS-SB-18/01 Issue 1 – 2 November 2018
Operations of DJI aircraft fitted with TB50 and TB55 Batteries
Effective from 2 November 2018 until further notice

1. Affected parties

All operators of small Remotely Piloted Aircraft Systems (RPAS) operating DJI aircraft fitted with battery models TB50 and TB55, including all DJI Matrice 200 series (inclusive of 200, 210 and 210 RTK platforms) and the DJI Inspire 2 (the affected RPAS)

2. Purpose

To provide guidance on actions and recommended temporary limitations for the use of the affected RPAS.

3. Background

A small number of incidents have been reported where the affected RPAS has suffered a complete loss of power during flight, despite indications that there was sufficient energy remaining within the battery. In each case, this resulted in the affected RPAS entering a rapid descent due to the immediate loss of lift; with the remote pilot unable to maintain any command authority during the subsequent flight path.

The affected RPAS suffered a range of damage on impact, but to date no reports of injury or significant third-party property damage have been received.

An investigation by the manufacturer has advised that this issue is not confined to any specific firmware version and is thought to be related to the batteries TB50 and TB55. The full details of the occurrences are still being investigated.

The purpose of this Safety Bulletin is to highlight the requirement for all RPAS operators and remote pilots, conducting commercial or recreational activity, to be reasonably satisfied that any operation of the affected RPAS can be conducted safely. Regulation 101.055 *Civil Aviation Safety Regulations 1998* requires that a person not operate an unmanned aircraft in a way that poses a hazard to another aircraft, person or property.

4. Recommendations

This Safety Bulletin recommends the following actions to be taken:

a) limitation of operations

- (i) having regard to CASR 101.055, it is advisable that operators of the affected RPAS do not conduct any operation that involves overflight of any persons, whether or not they are under the control of the operator or remote-pilot, at any height until further notice.



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b) monitor for further updates

- (i) this information will be subject to regular review. As soon as CASA is satisfied that remediation of the root cause has been undertaken by the manufacturer in a satisfactory manner, CASA will issue a further update via the CASA website

5. Reporting

There is no reporting requirement for this this Safety Bulletin.

6. Enquiries

Enquiries about the content of this Safety Bulletin should be made by sending an email to rpas@casa.gov.au or by telephoning 131 757 during business hours.

DJI's official information may be found at the following website:

<https://www.dji.com/newsroom/news/dji-advises-customers-to-fly-with-caution-when-using-tb50-and-tb55-batteries-in-drones>