VELNARK
INSPECTION SERVICES

SAMPLE REPORT · EXAMPLE DATA

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Factory Acceptance Test Report

REPORT NO.	DATE	STAGE	PROJECT
VNK/IR/25-26/0016 · Rev 0	18 April 2026	ITP-5.0 · Hold point	Project 4471-A

ITEM	CLIENT	VENDOR
Item 04 — Quadcopter / UAV frame assembly, 500 nos	Example Client Pvt. Ltd.	Example Aerotech Works

LOCATION	INSPECTOR
Vendor works, Bhiwandi, Maharashtra	A. Inspector, Velnark

1 · Scope

Witness of factory acceptance tests on two units drawn at random from lot 1, per approved FAT procedure FAT-4471 rev 1: hover endurance, position hold, thrust, return-to-home and failsafe.

2 · Reference documents

FAT procedure FAT-4471 rev 1 (approved 02 Apr 2026)
Datasheet DS-4471 rev 2 — guaranteed values
Test instrument list with calibration records (6 instruments, all in date)

3 · Checks and observations

#	ITEM	REQUIREMENT	OBSERVED	RESULT
1	**Hover endurance**	≥ 22 min at 1,250 g AUW	Unit 0042: 24 min 10 s; unit 0187: 23 min 40 s	Accepted
2	**Position hold**	Drift ≤ 1.0 m in 6 m/s wind	Unit 0187 drifted 2.1 m; unit 0042 0.8 m	Punch
3	**Thrust per motor**	≥ 1,100 g at 100 % throttle	1,160–1,195 g across 8 motors	Accepted
4	**Return-to-home**	Lands within 2 m of take-off point	0.6 m and 1.1 m	Accepted
5	**Failsafe on signal loss**	RTH initiates within 3 s	1.8 s and 2.1 s	Accepted
6	**Test instruments**	Calibrated, in date	6 of 6 in date; records filed	Accepted

4 · Findings

REF.	SEVERITY	FINDING AND REQUIRED ACTION	OWNER	DUE
P-14	Major	Unit 0187 fails position-hold limit in 6 m/s wind. Vendor to investigate GPS/compass calibration, re-test both units and a further 3 units at random; Velnark to re-witness.	Vendor engineering	25 Apr 2026

5 · DISPOSITION

Accepted with punch list

All tests passed except position hold on one unit. Lot held for dispatch until P-14 is closed by re-witnessed test.

34 photographs, 3 full test videos, 5 documents filed against ITP-5.0.

Inspector, Velnark

Vendor representative

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