



**Northern Region Farm Machinery Training & Testing Institute
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APPLICATION FORM (D1) FOR CERTIFICATION OF UAS

Manufacturer's Name and details				
Regulatory clearances as required (listing as per current requirements including ETA, import license, where applicable etc.)				
	Model No. (1)	Model No (2)	Model No (3)	Model No (4)
Description				
UAS Details				
UAS Category				
UAS Type				
Maximum all- up-weight (including description of payload and its weight) in kg				
Overall dimensions (l × b × h) in mm				
Power Plant Details				
Engine/Motor				

Power Rating				
No. of Engines / Motors				
Battery capacity (mAh)				
Propeller details				
Equipment Details				
GNSS				
Autonomous Flight Termination System or Return Home (RH)				
Flashing anti- collision strobe lights				
RFID and GSM Sim Card / NPNT				
Flight controller (with flight data logging capability)				
SSR transponder (Mode 'C' or 'S') Or ADS-B OUT equipment				
Barometric equipment (with capability for remote subscale setting)				
Geo-fencing Capability				
Detect and Avoid Capability				
Remote Pilot Station				
Ground Control Station Model				

No				
C2 Link				
Frequency Band				
Performance Details				
Maximum Endurance (hr/m)				
Maximum Range (in km)				
Maximum Speed (in m/s)				
Maximum Height attainable/ Maximum Ceiling Height (in ft)				
Operating Altitude (in ft)				
Operational Envelope				
Engine limits (Maximum RPM) / Max. Battery Temperature (in deg C)				
Propeller limits				

List of documents to be attached with the application:

- i. Detailed drawings
- ii. Design appraisal
- iii. Analysis Reports and Test reports (Ground / Flight)
- iv. UAS Flight Manual / Log Book/ manufacturers operating manual
- v. Maintenance manual
- vi. Maintenance inspection schedule
- vii. Other relevant reports