

Salient Features of CAR on UAS

Classification of UAS

- Classification of UAS as per weight
 - Nano : ≤ 250 gm
 - Micro : > 250 gm and < 2 kg
 - Mini : > 2 kg and < 25 kg
 - Small : > 25 kg and < 150 kg
 - Large : > 150 kg

General Requirements

Item/ Category	Nano (≤ 250 gm)	Micro ($>250\text{gm} \leq 2\text{kg}$)	Mini & Above ($>2\text{kg} \leq 25\text{kg}$) ($>25\text{kg} \leq 150\text{kg}$) ($>150\text{kg}$)	Model Aircraft, MTOW < 2kg
Security clearance (organisation)	✘	✓	✓	✘
Unique Identification No. (UIN)	✘	✓	✓	✘
Unmanned Aircraft Operator Permit (UAOP)	✘	✘	✓	✘
Remote pilot approval requirement	✘	✘	✓	✘
Approval Time for UIN/UAOP	✘	02 days	02/07 days	✘

Operational Requirements

Item/ Category	Nano (<250 gm)	Micro (>250gm<2kg)	Mini & Above (>2kg<25kg) (>25kg<150kg) (>150kg)	Model Aircraft, MTOW < 2kg
Height Allowed (AGL)	50 ft	200 ft	200 ft (>200 ft restrictive)	200 ft
VLoS and Day Operations	✓	✓	✓	✓
Flight Plan	✗	✗	✓	✗
ADC/ FIC	✗	✗	✓	✗
Local Police	✗	✓	✓	✓
Area of Operation	Uncontrolled airspace and indoor	Uncontrolled airspace	Controlled and uncontrolled airspace	Educational institution premises

Mandatory Equipment Requirements

Item/ Category	Nano (<250 gm)	Micro (>250gm<2kg)	Mini & Above (>2kg<25kg) (>25kg<150kg) (>150kg)	Model Aircraft, MTOW < 2kg
ID Plate	✘	✓	✓	✓
RF ID/ SIM	✘	✓	✓	✘
GPS	✘	✓	✓	✘
RTH (Return to Home)	✘	✓	✓	✘
Anti Collision Light	✘	✓	✓	✘

Note: For Govt. Security Agencies, no approval required except intimation to Local Police and ATC before operation

No Drone Zone

- Above Obstacle Limitation Surfaces (OLS) of operational aerodrome
- Within permanent/temporary Prohibited, Restricted and Danger Areas including Temporary Reserved Area (TRA) and Temporary Segregated Area (TSA) as notified by AAI
- Within 5 km (2.7 NM) radius from Aerodrome Reference Point (ARP) of operational aerodrome

No Drone Zone

- Within 50 km from international border which includes Line of Control (LoC), Line of Actual Control (LAC) and Actual Ground Position Line (AGPL)
- Beyond 500 m (horizontal) into sea from coast line provided the location of ground station is on fixed platform over land
- Within 5 km radius from Vijay Chowk in Delhi
- Within 500 m radius from strategic locations notified by Ministry of Home Affairs and military installations

No Drone Zone

- From mobile platforms such as a moving vehicle, ship or aircraft
- Over eco-sensitive zones around National Parks and Wildlife Sanctuaries notified by MoEF & CC without prior permission
- Operation of Nano and Micro UAS inside covered premises in No Drone Zone may be carried out subject to permission from local police authorities