



UNITED ARAB EMIRATES
MINISTRY OF DEFENCE

UNITED ARAB EMIRATES MILITARY AIRWORTHINESS AUTHORITY

APPLICATION FOR MILITARY UNMANNED AIRCRAFT SYSTEM (UAS) CLASSIFICATION AND OPERATION

1. REFERENCE

Applicant's Reference

<Provide a brief, unique identifier that MAA will use to refer to your application>

2. APPLICANT DETAILS AND CONTACT DATA

Organisation

< Company / Command / Group name >

< Organisation Address & Country >

Accountable Person

< Title / Rank >

< Name >

< Position >

Point of Contact

(if different than the Accountable Person)

< Name >

< Telephone >

< E-mail >

MDOA Reference

< Insert MDOA reference number if previously issued>

MPOA Reference

< Insert MPOA reference number if previously issued>

MAOC Reference

< Insert MAOC reference number if previously issued>

3. IDENTIFICATION OF ACTIVITY *(select ALL the required MAA services being requested under this application)*

MDOA | MPOA | Type Certificate | Registration | UASOP | MAOC

4. PRODUCT IDENTIFICATION *(weight referred hereunder is MTOW)*

4.1 Unmanned Aircraft System Category *(refer UAEMAR UAS GM UAS.10 (3) – Operation under UAS Categories.)*

Certified Category

< Complete ANNEX I – List of Technical Fields >

Specific Category

(Complex or unique features may require certification, seek MAA guidance)

Open Category

Type A (UASOP to be issued)

Type B (Standard Scenario)

Micro UAS

Very Small UAS

Defence Ranges & Exercise Areas

High Seas

Trials and Experimentation



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4.2 Unmanned Aircraft System Element *(select ALL system elements for a new type-certificate)*

<input type="checkbox"/> Air Vehicle	<input type="checkbox"/> Data Link	<input type="checkbox"/> Ground Station
Manufacturer:	Manufacturer:	Manufacturer:
Model, variant and serial number(s):	Model, variant and serial number(s):	Model, variant and serial number(s):
Max. Take Off Weight (kg):		
<input type="checkbox"/> Design documentation: < <i>airworthiness code, approved design configuration</i> >	<input type="checkbox"/> Design documentation: < <i>approved design configuration</i> >	<input type="checkbox"/> Design documentation: < <i>approved design configuration</i> >
<input type="checkbox"/> Maintenance Documentation: < <i>authoritative maintenance documentation</i> >	<input type="checkbox"/> Maintenance Documentation: < <i>authoritative maintenance documentation</i> >	<input type="checkbox"/> Maintenance Documentation: < <i>authoritative maintenance documentation</i> >
<input type="checkbox"/> Operating Documentation: < <i>authoritative operating documentation</i> >	<input type="checkbox"/> Operating Documentation: < <i>authoritative operating documentation</i> >	<input type="checkbox"/> Operating Documentation: < <i>authoritative operating documentation</i> >
<input type="checkbox"/> Environmental Protection: < <i>including noise and emission requirements and controls</i> >	<input type="checkbox"/> Environmental Protection: < <i>including noise and emission requirements and controls</i> >	<input type="checkbox"/> Environmental Protection: < <i>including noise and emission requirements and controls</i> >
<input type="checkbox"/> Integration of weapons <i>(if applicable)</i> : < <i>including design, maintenance and operating related documentation</i> >		
<input type="checkbox"/> Carriage of dangerous stores and/or equipment <i>(if applicable)</i> : < <i>including design, maintenance and operating related documentation</i> >		
<input type="checkbox"/> Carriage of passengers <i>(if applicable)</i> : < <i>including design, maintenance and operating related documentation</i> >		
<input type="checkbox"/> Other Modification details <i>(if applicable)</i> :		
<input type="checkbox"/> Third-Country Type-Certificate and date of issuance <i>(if applicable)</i> :	<input type="checkbox"/> Third-Country Type-Certificate and date of issuance <i>(if applicable)</i> :	<input type="checkbox"/> Third-Country Type-Certificate and date of issuance <i>(if applicable)</i> :

4.3 Statement of Operating Intent and Usage

<input type="checkbox"/> Configuration, Role and Environment (CRE): <i>(including Operational Area, Operational Airspace, population characteristics)</i>	< <i>AMC UAS.30 (2)(b) – Defining the UAS Operating Environment</i> >
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4.4 Registration *(refer UAEMAR UAS GM UAS.10 (4) – Registration of Defence UAS.)*

Proposed registration:	<input type="checkbox"/> Defence register	<input type="checkbox"/> Local asset register
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5. RISK CHARACTERISATION AND CONTROL

5.1 Risk assessment – Risk to other Airspace Users	< risk characterisation and risk control documents >
5.2 Risk assessment – Risk to people	< risk characterisation and risk control documents >
5.3 Risk assessment – Risk to critical infrastructure	< risk characterisation and risk control documents >
5.4 Additional Operational Controls	< identify where operational errors may impact safety and the risk controls >

6. INITIAL AND CONTINUING AIRWORTHINESS COMPLIANCE

6.1 Proposed initial airworthiness compliance	< refer AMC to UAS.30.(2)(c) – Initial Airworthiness and Continuing Airworthiness >
6.2 Proposed continuing airworthiness compliance	< refer AMC to UAS.30.(2)(c) – Initial Airworthiness and Continuing Airworthiness >

7. MILITARY AIR OPERATOR CERTIFICATE (MAOC)

7.1 Operations under a Military Air Operator Certificate or Defence Industry Operator equivalent.	<input type="checkbox"/> Yes – UAS will operate under a MAOC. <input type="checkbox"/> Yes – UAS will operate under a Defence Industry Operator equivalent.
< AMC to UAS.30.(2)(d) – UAS Operations under a Military Air Operator Certificate >	<input type="checkbox"/> No – UAS will not operate under a MAOC. <input type="checkbox"/> No – UAS will not operate under a Defence Industry Operator equivalent.

8. AIR OPERATIONS AND STANDARD RULES OF THE AIR COMPLIANCE

8.1 UAEMAR UAS Regulation compliance	<input type="checkbox"/> Compliant (<i>attach justification/evidence e.g. RP operational procedures</i>)
< AMC to UAS.30.(2)(e) – Compliance with military and civilian (as required) regulations governing air operations and standard rules of the air >	<input type="checkbox"/> Non-compliant

9. REMOTE PILOT QUALIFICATION AND AUTHORISATION

9.1 Remote Pilot Qualifications	<input type="checkbox"/> Required RP qualifications (<i>attach justification/evidence</i>) <input type="checkbox"/> Required RP authorisations (<i>attach justification/evidence</i>)
< AMC to UAS.30.(2)(f) – Remote Pilot Qualifications >	<input type="checkbox"/> Required aviation medical certificate (<i>attach justification/evidence</i>)



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10. EMBARKED UAS OPERATIONS

10.1 Embarked UAS Operations
< AMC to UAS.30.(2)(g) – Requirements
for Embarked UAS operations >

- Ship's Aviation Facilities Certification (*attach documentation*)
- Ship operational restrictions (*attach documentation*)
- Assessment of the ship-air interface (*attach documentation*)
- Launch and recovery system (*attach documentation*)

11. WEAPONISATION OF UAS

11.1 Weaponisation of UAS

- Yes – UAS will be weaponised (*detail capability requirements*)
- No – UAS will not be weaponised (*no reference required*)

12. UAS CARRIAGE OF PASSENGERS

12.1 Carriage of Passengers

- Yes – UAS will carry passengers (*detail capability requirements*)
- No – UAS will not carry passengers (*no reference required*)

13. SUPPORTING INFORMATION

(insert all other relevant supporting information)



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14. DEMONSTRATION OF ELIGIBILITY

CERTIFIED CATEGORY

I declare that this application is:

Within the current approved scope of work of the applicant's MDOA

Undertaken by another person than the applicant for, or holder of, a certificate (UAEMAR 21.A.2)

Name

MDOA Ref.

Following an application for Military Design Organisation Approval (MDOA, **Form 80**)

Application Date

OPEN AND SPECIFIC CATEGORIES

I declare that this application is:

Compliant with all the applicable provisions of Implementing Regulation UAEMAR UAS and,

Appropriate insurance cover will be in place for every flight made under the authorization.

Undertaken by an already registered Military UAS Operator

Name

Operator Ref.

Following an application for Operator and UAV registration.

Application Date

15. APPLICANT'S DECLARATION AND ACCEPTANCE OF THE GENERAL CONDITIONS

I declare that I have the legal capacity and authority to submit this application to MAA.

I declare that all information provided in this application form is correct and complete.

I understand and accept that for the MAA to proceed with this application, I have supplied all supporting documentation to the MAA.

I understand the costs involved in developing a UAS Type Certificate / Restricted Type Certificate / UAV Authorisation. Hence, I declare that the applicant has the financial capability to carry out the project described in this application.

Name

Date / Location

Signature



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ANNEX I – LIST OF TECHNICAL FIELDS

Select the technical field(s) affected under the certified or specific categories within this application.

Title	Selected	Technical Field
Ground & Flight Test and Human Factors	<input type="checkbox"/>	Ground and Flight Test including transportation, datalink, telemetry, airspace separation, safe flight termination, weapons/stores carriage & release etc. (for all the relevant certification specification subparts)
	<input type="checkbox"/>	Handling Qualities
	<input type="checkbox"/>	Performance
	<input type="checkbox"/>	Human Factors
	<input type="checkbox"/>	Human Machine Interface and Ground Station Console Integration
	<input type="checkbox"/>	Flight Manual
Ground and Flight Mission Essential Personnel	<input type="checkbox"/>	Remote Pilot training and qualifications
	<input type="checkbox"/>	Ground crew training and qualifications
	<input type="checkbox"/>	Airfield Plan and emergency services
Structures and Materials	<input type="checkbox"/>	Loads, Weight and Balance
	<input type="checkbox"/>	Static Strength
	<input type="checkbox"/>	Fatigue and damage tolerance
	<input type="checkbox"/>	Materials & Manufacturing
	<input type="checkbox"/>	Aero elasticity, Vibration and Buffeting
	<input type="checkbox"/>	Crashworthiness
	<input type="checkbox"/>	Decompression
Hydro-mechanical Systems	<input type="checkbox"/>	Flight Control System [ATA 270 on Airplane / ATA 670 on Rotorcraft]
	<input type="checkbox"/>	Hydraulics [ATA 290]
	<input type="checkbox"/>	Landing Gear Systems and Wheels, Tires & Brakes [ATA 320]
	<input type="checkbox"/>	Fuselage Doors [ATA 520]
	<input type="checkbox"/>	Recovery and Traverse Mechanical systems
Electrical	<input type="checkbox"/>	Electrical Generation / Distribution
	<input type="checkbox"/>	Batteries
	<input type="checkbox"/>	EMC
	<input type="checkbox"/>	HIRF and Lightning Indirect Effects
	<input type="checkbox"/>	Lightning Direct Effects
	<input type="checkbox"/>	EWIS
<input type="checkbox"/>	Lighting	



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Title	Selected	Technical Field
Avionic & Communications Systems	<input type="checkbox"/>	Auto-flight systems (Includes auto-pilot, auto-throttle, flight guidance, flight envelope, stability, etc.)
	<input type="checkbox"/>	Communications & Navigation & Surveillance (Includes air data systems, datalink, transponder, radio, environment surveillance systems (TCAS, TAWS, Weather Radar ...), etc.)
	<input type="checkbox"/>	Flight Management System
	<input type="checkbox"/>	Indicating, Alerting & Recording systems and Diagnostic and Maintenance systems (Includes display systems, instrument and control panel, recorders, vibration/vehicle monitoring system, general computers, central warning systems, maintenance systems, etc.)
	<input type="checkbox"/>	Integrated Modular Avionics
	<input type="checkbox"/>	Datalink and Console
	<input type="checkbox"/>	Information management and Cybersecurity
Powerplant Installation and Fuel Systems	<input type="checkbox"/>	Engine, propeller and APU installation
	<input type="checkbox"/>	Fuel Systems
	<input type="checkbox"/>	Fuel Tank inerting
	<input type="checkbox"/>	ETOPS / EDTO
	<input type="checkbox"/>	Fire protection (unpressurised areas)
	<input type="checkbox"/>	Volcanic Ash
Environmental Control System (ECS)	<input type="checkbox"/>	Heating, cooling and pressurisation
	<input type="checkbox"/>	Ice protection
	<input type="checkbox"/>	Oxygen systems
	<input type="checkbox"/>	Bleed air
	<input type="checkbox"/>	Water and waste
Noise, Fuel Venting and Emissions	<input type="checkbox"/>	Noise
	<input type="checkbox"/>	Emissions
	<input type="checkbox"/>	Fuel venting
Software	<input type="checkbox"/>	Design Assurance for SW
Cabin Safety	<input type="checkbox"/>	Cabin Installation <i>(if required)</i>
	<input type="checkbox"/>	Cargo compartments (installation & restraint)
	<input type="checkbox"/>	Occupant crashworthiness/restraint
	<input type="checkbox"/>	Fire Protection - pressurised areas (active and passive)
	<input type="checkbox"/>	Internal and External placards and markings.



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Title	Selected	Technical Field
DASA	<input type="checkbox"/>	Development Assurance and Safety Assessment
Transmission	<input type="checkbox"/>	Rotorcraft transmission
ICA	<input type="checkbox"/>	Instructions for Continued Airworthiness
	<input type="checkbox"/>	Maintenance Review Board (MRB) process
MMEL	<input type="checkbox"/>	OSD MMEL disciplines
FSTD	<input type="checkbox"/>	OSD Sim disciplines
Cabin Crew Data	<input type="checkbox"/>	OSD Cabin crew disciplines
Maintenance Certifying Staff Data	<input type="checkbox"/>	OSD Maintenance Certifying Staff Disciplines
Propulsion	<input type="checkbox"/>	Engine certification
	<input type="checkbox"/>	APU qualification
	<input type="checkbox"/>	Propeller qualification
	<input type="checkbox"/>	Electrical motors and ducted fans
Other (specify)	<input type="checkbox"/>	< insert technical field details >



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APPENDIX – FORM INSTRUCTIONS

UNMANNED AIRCRAFT SYSTEM CLASSIFICATION AND OPERATION PROCESS

Block 1. – Applicant to provide unique reference identifier for correspondence.

Block 2. – Applicant to provide Organisational details and Point of Contact.

Block 3. – Applicant to identify the activities and MAA services being requested under the application e.g. MDOA, MPOA, Type Certificate, Registration, UASOP, MAOC.

Block 4.1 – Applicant to identify and nominate a UAS product category e.g. Certified, Specific, Open.

– Applicant must complete *Annex I – List of Technical Fields* for any Certification activities.

Block 4.2 – Applicant to identify the system elements and provide the related documentation for ensuring airworthiness and safe operation.

Block 4.3 – Applicant is to define the operating environment in a *Statement of Operating Intent and Use* document.

Block 4.4 – Applicant to nominate a method of registration and control of assets.

Block 5. – Applicant to characterize risks and apply appropriate controls.

Block 6. – Applicant to propose method of achieving initial and continuing airworthiness compliance.

Block 7. – Applicant to nominate if operations will be conducted under a Military Air Operator or Industry equivalent.

Block 8. – Applicant to demonstrate compliance with *Air Operations* and *Standard Rules of the Air* requirements.

Block 9. – Applicant to demonstrate compliance with Remote Pilot qualification and authorization requirements.

Block 10. – Applicant to identify requirements for embarked UAS operations.

Block 11. – Applicant to identify requirements for weaponisation of UAS.

Block 12. – Applicant to identify if the UAS air vehicle will be used to carry passengers.

Block 13. – Applicant to provide all relevant supporting information to permit the MAA to process the application.

Block 14. – Applicant to demonstrate eligibility under UAEMAR 21 for an application for the issue of a Type Certificate / Restricted Type Certificate or Specific Category (Type B) UASOP.

Block 15. – Applicant is to make a declaration and accept the general conditions of the application.

FORM SUBMISSION

Submit the electronic form to the MAA at UAEMAA@mod.gov.ae

If there is insufficient space in any of the sections, please attach additional information to this form.

PRIVACY POLICY

MAA requires the provision of information as listed in this form. All such information received will be treated as Confidential and will not be disclosed to any third parties unless that disclosure is required or authorised by law. MAA will safeguard personal information, however, please be aware that MAA policy is to publish organisation approvals and type certificates on its website.

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