



# Organisation for Joint Armament Co-operation Executive Administration

<b>VACANCY NOTICE</b>	
<b>Post</b>	AF28 – TECHNICAL OFFICER PROPULSION SYSTEM
<b>Grade</b>	A3*
<b>Division</b>	MALE RPAS Programme Division
<b>Section</b>	Technical
<b>Management of Staff</b>	0
<b>Location</b>	Munich/Hallbergmoos, DE
<b>Initial Contract Duration</b>	3 years
<b>Closing Date for Applications</b>	06 December 2021
<b>Start Date</b>	01 March 2022
<b>Interview Date</b>	Week Commencing on 10 January 2022

## **1. Background**

The European Medium Altitude Long Endurance (MALE) Remotely Piloted Air System (RPAS) Programme is a multinational cooperative programme with the participation of the Federal Republic of Germany, the French Republic, the Italian Republic and the Kingdom of Spain. The MALE RPAS Programme Division (MRPD) is responsible for the execution of the Contracts for the Definition, Development, Production and In Service Support for the MALE RPAS, and of any potential additional Contracts in specific areas, e.g. ATI... against High Level Objectives defined by the PPSs.

The MALE RPAS Programme Division is based in Hallbergmoos (Munich area), Germany.

Over the last four years, the MALE RPAS Programme has successfully passed towards gradual key milestones. A Definition Study was initiated, in 2016, to define the common requirements, among the Programme Participating States and successfully concluded in 2018 with the System Preliminary Design Review (SPDR). The Invitation for Tendering for a Stage 2 Contract (Development and Production including 5 years of Initial In-Service Support) was launched in October 2018. The subsequent two years were fully devoted to negotiating and refining the industry offer to ensure that the contract would meet PPS' expectations in terms of performance, affordability and value for money. The BAFO for Stage 2 Contract received on 18th November 2020 confirmed the necessary conditions,

prices and performances are set to launch soon the programme with the aim of Stage 2 Contract signature in the second semester of 2021. On 15th of July 2021, OCCAR received a Grant from the European Commission (100 M€) to co-fund the programme and to foster the European industrial basis.

The starting date of the personnel contract is scheduled soon after Stage 2 Contract Signature.

In this context, the Technical Section (TS) is responsible for MALE RPAS Programme Division technical matters, including qualification, certification, airworthiness and information security accreditation related activities, by ensuring the implementation of the Stage 2 technical requirements Contract compliance. TS also supports, for the technical matters, the activities associated with the European Defence Industrial Development Programme (EDIDP) strengthening European sovereignty and continuously aiming at improving the effectiveness of European Industrial Defence Cooperation.

## **2. Duties and Responsibilities**

The Technical Officer Propulsion System will report to the Technical Section Leader and will act as OCCAR representative in the Power Plant & Fuel Systems Panel (PWP CQP), supporting the Panel activities, mainly from contractual, but also from a technical point of view, and will be acting as Panel Coordinator if so decided by PPSs. These activities will be performed in close cooperation with Industry and with the National Authorities, including, but not limited to, the National Military Airworthiness Authorities (NMAAs).

In particular, they will:

- Supervise actively all technical aspects of the MALE RPAS development production and in service activities, affecting the Power Plant and Fuel system.
- Contribute to prepare and proceed for the Power plant and Fuel Systems requirements Qualification, and Certification under PWP CQP 's responsibility, supporting the Certification and Qualification Manager.
- Ensure the Certification Basis compliance, as requested by EMAR-21 through a Certification Programme and its detailed Means of Compliance (MoC) demonstration, in the scope of the Power Plant & Fuel Systems Panel (PWP CQP).
- Ensure the development and implementation of "specific Certification Plans" allocated to the PWP CQP. Those would be, but not limited to:
  - Propulsion System CP.
  - Fuel System CP.
- Act as focal point, during the Certification Process, on Power Plant and Fuel System topics related with technical positions resulting from the discussions inside the areas of knowledge included in the "certification perimeter" for the PWP CQP. This certification perimeter would be, but not limited to:
  - Propulsion safety management.
  - Gas turbine engine applications.
  - Alternate Propulsion systems.

- Engines.
  - Propellers.
  - Fuels System.
  - Fire and hazard protection.
- Support the Certification Qualification Organization (CQO) as needed concerning PWP Panel aspects in order to report technical positions and promote decisions and agreements.
  - Evaluate and assess any proposed deviations from contractual certification standards affecting PWP panel and advise the Certification Manager (and their line Management) of potential Programme impact.
  - Liaise and actively support the coordination, as appropriate, of all technical aspects of responsibility in any transversal responsibility with the Technical Officer – General Systems or any other relevant CQ Technical Panels (e.g.: Structure).
  - Ensure efficient and effective communication and coordination within the PD and with program Stakeholders (NMAA´s, Contractor, etc.) in their area of responsibility.
  - Implement appropriate and effective Risk Management actions related to MALE RPAS Power Plant and Fuel System domain during development, production and initial support.
  - On request of the Technical Section Leader, performing other tasks and duties related to their responsibilities or in support of other technical management area or PD Section.

### **3. Key competences and skills required for the grade**

(You must provide evidence of meeting these key competences and skills in your Application, Section 12).

- CS 1** The ability to establish and maintain excellent working relations at all levels in a multicultural context and with respect for diversity;
- CS 2** Excellent interpersonal and team working skills with the ability to interact and communicate at all levels within OCCAR as well as with Nations;
- CS 3** The ability to work in a changing, developing and demanding environment;
- CS 4** The ability to implement clear, efficient and logical approaches to work, to manage assignments, objectives and time;
- CS 5** The ability to use Computer and Information Technology (ICT) facilities and able to demonstrate a good working knowledge of MS Office software.

#### **4. Specialist knowledge and experience required for the post**

(You must provide evidence of meeting these specialist requirements in your Application, Sections 10-11).

##### **4.1 Essential:**

- ES 1** Proven experience in aeronautical systems' Certification (Airworthiness), Qualification processes and associated activities.
- ES 2** Proven experience and background in aeronautical engineering and Propulsion Systems' architectures and functionalities.
- ES 3** Wide knowledge of certification standards and regulations on Engines and Propellers systems.
- ES 4** Proven experience in Defence programmes in a multi-national environment and familiarity in dealing with Defence Organisations and Industries at technical level.

##### **4.2 Desirable:**

- DS 1** Proven experience in remotely piloted systems procurement and support to unmanned aerial vehicles military operations and activities.
- DS 2** Previous experience with military aeronautical programmes especially with respect to the development, production and in-service support phases of modern Weapon Systems.
- DS 3** Adequate experience in monitoring complex technical aspects of Defence contracts.
- DS 4** Knowledge of Technical Publications and documentation. Good working knowledge of a requirements management tool (e.g. DOORS) and risk management activities.

#### **5. Language Requirements**

- ADVANCED\* level of ENGLISH both oral and written.
- Adequate knowledge of any other OCCAR language would be an asset.

**\* The language levels can be found on the OCCAR website, [www.occar.int](http://www.occar.int) Human Resources / vacancies.**

#### **6. Qualifications**

A university degree/master degree in Aeronautical Engineering, or equivalent qualification in the activities directly related to the described position is required.

#### **7. Security Clearance**

Security clearance at OCCAR Secret level is required for this post.

## **8. Applications and Points of Contact**

For further information regarding this Post, please contact:

Vito CASAGRANDE (Technical Section Leader)

Email: [vito.casagrande@occar.int](mailto:vito.casagrande@occar.int)

Applications for this Vacancy Notice should be submitted through the appropriate National Administrations.

Applicants who are **not** Ministry of Defence staff wishing to apply for this Post should email the completed application and supporting documentation to [B009@occar.int](mailto:B009@occar.int), [B010@occar.int](mailto:B010@occar.int) and [B015@occar.int](mailto:B015@occar.int).

### **OCCAR Privacy Statement:**

When applying for an OCCAR vacancy, it is necessary for OCCAR to collect and process personal data about you in order to assess and evaluate your suitability for the vacancy, and (if successful) to coordinate with relevant service providers in preparation for your appointment. For further information please visit our web-site: OCCAR Privacy Statement - <http://www.occar.int/privacy-data-protection>.