

Job Title: SUNRISE Payload Engineer

Req ID 9892 - Posted 04/05/2020



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Telecommunications and Integrated Applications.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

SUNRISE Payload Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ECSAT, Harwell, United Kingdom

Description

Reporting to the Sunrise Project Manager, Telecom Satellite Programmes Department, you will be in charge of all activities related to design, development, procurement, Assembly Integration and Verification (AIV), and commissioning of the Sunrise payloads.

You will also be working closely with the project Senior Payload Engineer.

Duties

- managing procurement of the Sunrise payloads, within the agreed schedule;
- ensuring intercompatibility of the Sunrise payloads with their respective host platform, and with the other payloads embarked on those platforms;
- monitoring the design, manufacturing, qualification, and test activities of the Sunrise payloads;
- ensuring the definition and execution of the Sunrise payload test programme at unit, repeater, satellite ground-based test, and IOT (In-Orbit Testing) level;
- ensuring proper integration of the Digital Payload Hardware into the overall design of the Sunrise payloads;
- liaising with the payload provider and their selected supplier and subcontractors;
- ensuring the timely integration of payloads on the satellite or for on-ground testing;
- supporting definition of the system operational constraints and preparation of the related operational procedures;
- supporting all reviews at system, space segment, and payload level;
- coordinating the specialist technical support provided by the Technology, Engineering and Quality Directorate;
- providing support to other Department activities, as required, and as relevant to your experience.

The Payload Engineer will liaise closely and proactively with the rest of the Sunrise project team as well as with other colleagues within the Telecom Satellite Programmes Department.

Technical competencies

Experience with signal processing and high speed data transfer hardware and protocols

Experience in implementing and driving R&D and/or industr. activities for space technology development

Experience in payload in-orbit commissioning and performance verification

Ability to synthesize technical and programmatic information

Experience in defining payload level requirements as well as in payload level engineering & development activities

Behavioural competencies

Communication

Planning & Organisation

Problem Solving
Responsible Decision-Making
Results Orientation
Teamwork

Education

A master's degree or equivalent qualification in a relevant engineering discipline is required.

Additional requirements

Direct experience of working with commercial telecommunications industry and operator, in partnership projects, in digital payload development, or innovative telecom technologies would be a distinct advantage.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 02 June 2020.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.