HE Space is a successful international space company. For 40 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. HE Space has joined forces with CS Group to lead the engineering and digital space market in Europe and to provide highly skilled consulting.

Galileo Satellite Navigation Data Dissemination Engineer

Key Tasks and Responsibilities

As part of Airbus Defence and Space (AIR Sat), you will have the following responsibilities:

- Implement the G2G satellite navigation payload data dissemination simulator;
- Flow-down of satellite level data dissemination requirements on:
    - C-/S-Band and inter-satellite link message data structure
    - On-board processing of satellite and navigation message data (e.g. authentication, encoding, encryption)
    - Downlink navigation message data broadcast timeline and flexibility to lower-level specifications for sub-systems and units;
- Support subsystem teams for correct understanding and implementation of the Data Dissemination requirements;
- Review and contribute to Data Dissemination design and implementation aspects and trade-offs and support to payload and sub-systems milestone reviews;
- Review and contribute to Data Dissemination verification & validation activities such as:
    - Validation of the navigation payload data dissemination simulator
    - Generation of navigation data test vectors for satellite, payload and units level tests
    - Definition of navigation payload and satellite levels test specifications
    - Analysis of requirements coverage and derivation of verification close-outs
    - Contribution to test reports
- Contribute to development of SOCs / RVM / VCD for Data Dissemination related
- customer requirements;
- Contribution to Satellite operation procedures on message aspects;
- Contribution to non-conformance analysis, resolution and support to Non-conformance Review Board (NRB) meetings;
- Presentation and discussion of results in front of national and international customers.

Skills & Experience

You will have the following qualifications and relevant experience:

- Master's degree in Physics, Engineering or similar field is required;
- Experience on systems engineering processes and review gates, and in particular:
    - Requirements compliance assessment, flow-down to lower level specification
    - Design description and justification
    - Definition of RVM and VCD

- o Description of test plan and test specifications
- Deep understanding of the Galileo navigation data layer, including navigation services, page types, dissemination layouts, encoding schemes;
- Good knowledge of satellite navigation systems, knowledge of Galileo 2nd Generation is considered an asset;
- Understanding of OSNMA, authentication schemes, encryption and key management is considered an asset;
- Experience working with or basic knowledge of DOORS and Matlab;
- Knowledge in Software Development would be a plus;
- Good communication skills and team working attitude;
- Capability to work in a European/international team and with European/international customers;
- Fluency in English is mandatory; knowledge of another European language (French or German) is an advantage.

This job is located in **Munich**, Germany.

If you think you have what it takes for this job, please send your CV (in English and in Word or PDF) to Annie Kontou, by clicking on the button "Apply for this job" quoting job **DE-HP-24061.**

An exciting and dynamic international working environment awaits you!

Please note: Due to work permit requirements for this position, please apply only if you are citizen of a European Union state or if you are eligible to obtain a work permit for Germany.

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