

Operations Reprocessing Implementation Engineering Support (DE/EUM/12006)

Context

This vacancy note concerns an on-site consulting position at EUMETSAT in Darmstadt, Germany.

Job Description

The tasks of the Consultant will typically include:

- Implementation of relevant operational product processing chains including algorithm processors in the reprocessing environment
- Software development and implementation of operational functional and product quality monitoring procedures for the data set generation monitoring and validation system
- Acquisition of relevant data from internal and external sources to support product quality monitoring in the reprocessing environment
- Initialisation, control and execution of operations with respect to both data set generation and associated monitoring results;
- Preparation of data sets for ingestion into the EUMETSAT Data Centre
- Porting of algorithm code (mainly coded in Fortran and C++) from existing platforms (SUN and IBM AIX) to new hardware environments
- Support of the validation of products employing the quality monitoring procedures and other validation techniques as appropriate
- Support to the development and maintenance of operational procedures for the data set generation

Required Skills/Experience

The Consultant shall have knowledge in the following areas:

- Structured software development; documentation, testing and validation of application software in UNIX environments according to coding standards
- Operational product processing environments and processing of remote sensing data

Furthermore, the Consultant is required to have strong experience with several of the following:

- Programming languages FORTRAN and C++ and scripting languages, such as Python, Perl, shell, Tcl/Tk
- Software build environments and tools (e.g. make, imake, debuggers, insure++)
- Analysis and graphic software such as IDL and/or PV-WAVE
- Source code control systems, such as Subversion, Rational ClearCase or CVS
- Data formats such as NetCDF (3 and 4), GRIB, HDF5, and BUFR

Qualifications

The Consultant shall have a University degree (or equivalent) in Meteorology or similar with three years experience in software engineering and computing. The Consultant shall be able to demonstrate experience in software development within an operational environment and in meteorology

Desirable Skills

Practical knowledge in the following areas would be an advantage:

- Database programming and its usage (ORACLE)
- Formalised software testing
- Handling of large data volumes
- Calibration of satellite observations
- Validation of satellite products

Work Locations

Darmstadt, Germany

Dates

Application deadline: 29/02/2012

Important Notes

Before applying to this position, please read the page Notes to Applicants on the Solenix website under the menu Career.

Applicants must be nationals or have a valid work and residence permit in Germany. Security, identity and reference checks on the candidates are part of the recruitment process.

Please send your application electronically to career@solenix.ch

About Solenix

Solenix is specialized in the provision of high-quality software engineering, technical consulting and operations services in the aerospace domain.

Our team consists of highly skilled, motivated people, driven by the goal to deliver innovative solutions and high-quality services.

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