

Training Opportunity for Portuguese Trainees

Reference	Specialist Area	Duty Station
PT-2012-HSO-GIB	Ground Station Back-end Section	ESOC
<p><u>Overview of the Division missions:</u></p> <p>HSO-GI is in charge of developing and maintaining all software applications for the operation infrastructure (in other words, all the software that is not mission-specific). This spans from the SCOS (Spacecraft Operating System), to the Simulators, to the software for the ESA ground Stations.</p> <p>HS-GI is also in charge of defining and maintaining the SW development environment for the infrastructure, as well as the test and validation infrastructure.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <p>The activity entails, first, the familiarization with the Monitoring&Control systems of the ground segment (S2K - GSMC - STC/CSMC).</p> <p>The core of the activity will be to support the development of an M&C Kernel, already partly implemented internally by HSO/GIB in the following areas:</p> <ul style="list-style-type: none"> - integrate the EUD* with this M&C kernel by implementing a back-end driver for it. - develop an M&C ICD** driver for the M&C Kernel. - develop extensions of the kernel in order to support S2K concepts that are not currently supported. 		
<p>*EUD : EGOS User Desktop: an Desktop (MMI) implementation fully based on Eclipse technology</p> <p>**ICD: Interface Control Document: a document describing all aspects of the interface between two entities.</p>		
<p><u>Required Education:</u></p> <p>Some knowledge on distributed architectures is preferable (SOA, CORBA, ...)</p> <p>Experience on the Java programming language is required.</p>		