Training Opportunity for Belgian Trainees

Reference	Title	Duty Station
BE-2019-OPS-OSR	**Development Engineer for the ESA Cyber Centre of Excellence**	**ESEC/Redu**

Overview of the unit's mission:

ESEC hosts the ESA Cyber Range that allows the provision of training sessions to ESA staff and contractors in a comprehensive range of skills related to cyber risk mitigation. This capability could in the future be extended to external, third party partners (e.g. EU institutions). The ESA Cyber Range is available to ESA programmes for the execution of test activities in a secured environment to validate software wrt. its resilience against cyber threats. The ESA Cyber Range is operated by an industrial team under contract from ESA (D/TIA and ESO). Dedicated activities are governed under contract with D/IPL to develop a holistic and coherent approach to Cyber Risk Mitigation throughout ESA. ESA D/OPS holds a significant presence at ESEC and is interested to explore complementarity of the services with their existing risk mitigation instruments in place. Finally and most importantly, ESA is looking to use the ESA Cyber Range to develop partnerships with the EU, such as EDA and its Member States, or ENISA and ESDC, for the execution of training and awareness exercises as well as the further integration in the broader, cyber security related initiatives of the European Union.

Overview of the field of activity proposed:

The trainee would support ESO to define, build up and operate the ESA Cyber Centre of Excellence at ESEC and the development of strong links of this service with internal ESA customers and with external partners.

The trainee would be:
1)   based at ESEC and work under the day-to-day supervision of the head of ESEC;
2)   for 60% of her/his time, work in close coordination with the Principal Security Strategy Officer (and ESO representative at the ESA Brussels Office) in the following fields:
   a) definition and build-up of the ESA Cyber Centre of Excellence at ESEC in line with the outcome of the Space19+ event in November 2019;
   b) the gradual integration of the ESA Cyber Centre of Excellence into the overall ESA Cyber Security Policy and comprehensive security vision for ESA;
   c) the establishment of the accreditation (by ESO) of the facility and its services
   d) implementation of the necessary interfaces vis-a-vis external partners, both institutional and commercial, for the use of the facility and its services
   e) definition and implementation of combined or coordinate training curricula abd exercises with thirs party partners
3)   for 40% of her/his time, work in close coordination with the ESEC/OPS lead in the following fields:
   a) *support* to the development, definition and implementation of proper operational interfaces between the ESA Cyber Security Centre of Excellence and the ESA Cyber-Safety and Security Operation Centre (services)
   b) support the proper integration of the ESA Cyber Security Centre of Excellence within the ESEC site configuration and its development
   c) support to projects/studies, definition and implementation in line with the development of the ESA Cyber Security Centre of Excellence

Required education:
The trainee should have a master's degree with distinct relevance to cyber security management of operational systems. A formal course in information security management and/or cyber security policy would be a distinct advantage as would be initial operational experience within an institutional or industrial framework of securing sensitive IT-based operational systems. The trainee must be proficient in both English and French, both orally and in writing. Some experience in EU or NATO institutions would be an asset.