EUROPEAN COMMISSION
DIRECTORATE-GENERAL HUMAN RESOURCES AND SECURITY
Directorate HR.AMC –Account management Centre
HR.DDG. AMC 8

2018-IPR-C-000-010264 Safety assessment of Automated Vehicles

Position for: Trainee	As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle. The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://www.jrc.ec.europa.eu The Sustainable Transport Unit of the Institute, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and vehicles for sustainable mobility. **Short description of activity:** The Unit, amongst others, studies possible impacts of mobility disruption scenarios, for example through the deployment of self-driving vehicles or mobility as a service. All major players in the automotive sector claim that vehicles with very advanced autonomic functionalities will be in the market already in 2020/2021. Apart from the technological obstacles, one of the barriers to achieve this objective is the type-approval of these vehicles for what concerns the safety of their systems. The Sustainable Transport Unit is supporting the European Commission to define a suitable procedure for the type-approval of Automated Vehicles. The work of the selected trainee be will therefore included in this activity. In particular the trainee is asked to study the situation in other political contexts (US, China, etc.) and for other applications (robots, airplanes, etc.) to understand their transferability to the case of vehicle type-approval in Europe. She/he will work within a small research team and under the supervision of expert members of our Unit. The work of the trainee would represent an important contribution to the evidence-based policies that the European Commission is

	developing in the area of Cooperative, Connected and Automated Driving. At the end of the traineeship, the trainee will have acquired important competences on a technically as well as politically challenging field. **Qualifications:** **Essential:** 1) The candidate should hold a university degree (as stipulated in the Rules governing the Traineeship Scheme) in the fields of engineering or economics. 2) The candidate should have good knowledge of spoken and written English (level B2). 3) The candidate should: - be able to analyse and structure information - have good communication skills both oral and written, and - be an effective team player. Please refer to the competences and qualifications in your application and clearly indicate for each one how your past experience has contributed to their development. **Advantage:** Knowledge of one or more of the following would be an advantage: automotive engineering, mechanical engineering, system safety assessment, safety type-approval of vehicles. **For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:** https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees
Directorate **Unit**	Directorate C - Energy, Transport and Climate C.4 Sustainable Transport Unit
Indicative duration **Preferred starting date**	5 months As soon as possible
JRC Site **Country**	Ispra Italy

JRC contact details	**For any technical problems with your application, please contact:** HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu