



2020-IPR-C4-FGIV-014012

**FG IV - Scientific /Technical Support Officer –
Definition of the new type-approval framework for
Automated and Autonomous Vehicles (AVs)**

<p>Position for:</p> <p>FGIV –Project Officer - Scientific /Technical Support Officer</p>	<p>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.</p> <p>The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: https://ec.europa.eu/jrc/</p> <p>The Sustainable Transport Unit (STU) of the Directorate for Energy, Transport and Climate, is responsible for a series of activities aiming to support EU policies in the field of mobility, including Cooperative, Connected and Automated Driving.</p> <p>In Particular, the introduction of innovative type approval approaches is required to assess and verify AVs safety, since the conventional physical testing approach alone will not be sufficient to evaluate the vehicle performance in real world driving conditions. Therefore new approaches for safety assessment and validation must be developed, taking into account analytical methodologies as well as different levels of testing (e.g. virtual testing, proving ground and field tests), including simulations.</p> <p>Since 2018, the Sustainable Transport Unit supports DG GROW in the evaluation of different innovative approaches to be introduced in the new AVs type-approval legislation. The SAFE-TYPE AA between the unit and DG GROW sets the objectives for 2020 in terms of desktop and experimental research activities, as well as outreaching activities and collaboration in international working groups.</p> <p>In this context, the unit is looking for a contract agent who will contribute to the ongoing research activities, with focus on minimum requirements for new technologies to be used in autonomous road transport, and procedures/methodologies for type-approval of automated vehicles. The jobholder will carry out scientific and technical tasks in accordance with the SAFETYPE project.</p> <p>In particular, the jobholder will be responsible for contributing to the definition of the new type-approval framework for Automated and Autonomous Vehicles (AVs). The work will be carried out in close collaboration with colleagues within the STU, the Directorate, and other Directorates of the JRC and Directorates General of the European Commission.</p> <p>The tasks of the successful candidate will be to:</p> <ul style="list-style-type: none">• Research on safety critical aspects of new vehicles technologies for automated and autonomous driving;• Research on and evaluate innovative methodologies for
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	<p>AVs type approval;</p> <ul style="list-style-type: none"> • Execution of experiments and data analysis according to SAFETYPE project needs; • Contribute to design and conduction of experimental tests; • Contacts with partners from various institutions, elaborate scientific studies, assure effective management, dissemination and publication; • Contribute to scientific publications, draft technical reports and policy support documents. <p>Qualifications:</p> <p>We look for a person with strong interest and understanding of automotive systems, vehicle technologies and safety aspects. The candidate should exhibit proven experience in the fields of safety engineering, risk assessment and relevant research activity and should have a good aptitude of taking initiative, developing new concepts and being a strong team player.</p> <p>The candidate must have completed university studies of at least three years attested by a diploma in Science or Engineering or at least five years of professional experience in a field relevant to the position, or alternatively, shall have acquired a doctoral degree in Mechanical, Automotive, Energy, Vehicle or similar Engineering fields relevant to the position offered.</p> <p>In addition, the following qualifications are considered as an asset:</p> <ul style="list-style-type: none"> • Knowledge of quality management, automotive safety engineering and risk assessment, ISO 26261, ISO/PAS 21448, UL4600, and similar standards to evaluate the safety of automated and autonomous vehicles is an advantage; • Knowledge or experience with test protocols for driver assistance systems and driving automation systems; • Solid record of research activities relevant for the post including publications in international peer-reviewed journals; • Proven ability to work in a team and in a multi-cultural environment. <p>Very good oral and written communication skills in English (B2) are essential.</p> <p>The Joint Research Centre is an equal opportunity employer and is committed to increasing the diversity of its staff. It welcomes applications from women and minority groups.</p>
<p>Directorate Unit</p>	<p>Energy, Transport and Climate Sustainable Transport Unit</p> <p>Further information: https://ec.europa.eu/jrc/en/</p>
<p>Indicative duration</p>	<p>36 months initial contract with possible renewals up to maximum 6 years</p>

<p>JRC Site</p> <p>Country</p>	<p>Ispra</p> <p>Italy</p>
<p>Rules and eligibility</p>	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps. You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. https://epso.europa.eu/documents/2240_en</p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers</p> <p>Only then you can apply for this specific position, through http://recruitment.jrc.ec.europa.eu/?type=AX</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.</p> <p><i>Please note that in case a high number of applications is received only shortlisted candidates will be contacted.</i></p>