



ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

H2020-ECSEL-2018-4-CSA-Mobility.E - Additional Call Requirements

The specific conditions (Specific Challenge, Scope and Expected Impact) for the Mobility.E Coordination and Support Action are described in “Annex 8: Call 2018-4, CSA Mobility.E support action” of the ECSEL Work Plan 2018.

This action is launched to develop a coherent, coordinated and sustainable approach to support Mobility.E, the ECSEL Lighthouse Initiative in the field of secure connected, cooperative and automated mobility including clean, affordable and sustainable propulsion.

In addition to the requirements described in the ECSEL Governing Board document GB.2017.79 (https://www.ecsel.eu/sites/default/files/2017-09/ecsel_gb_2017_79_-_lighthouse_initiatives_0.pdf), it is necessary to further describe the specific tasks to be implemented within the action in order to be able to achieve the expected impact as described in the ECSEL Work Plan 2018.

Therefore, following additional call requirements apply to this call (Call 2018-4, CSA Mobility.E support action):

1. The CSA proposal should plan to actively assist the LIASE in the continuous refining of the burning research topics for Mobility.E enabling the successful execution of the roadmap leading to clean connected and automated mobility. In doing so, the focus should be on identifying the gaps or not well addressed topics. Specific actions to be addressed in this respect:
 - a. To define in agreement with the LIASE and logistically support, a group that will be capable to plan and drive future activities of each one of the identified priority topics. These activities should cover technical as well as non technical crosscutting aspects as for instance; technology related challenges, design and validation methodologies, cybersecurity, data availability, interoperability, standardisation or regulatory actions etc...
 - b. If necessary, and in addition to the permanent topic groups, the proposal should foresee the creation of ad-hoc working groups on identified specific sub-topic(s) or issue(s). These working groups should have a limited duration (typically maximum 3-4 months) and should deliver concrete outputs.
2. The CSA consortium should support the LIASE in the definition of how different research communities involved in the road mobility are going to collaborate. The Mobility.E initiative should become the link between the traditional automotive and ECS communities. Showing what are the needs of the final customer in terms of complex electronics components and systems. Specific actions to be addressed in this respect:
 - a. The proposal should foresee activity, in agreement with the LIASE, to review the strategic vision for the road transport sector with respect to R&D&I (ERTRAC) and to align to it, the respective ECS R&D&I efforts. All three layers (Tier 1&2 suppliers and OEMs), of the value chain, need to be addressed by this effort and need to be in agreement with the defined priorities.
 - b. The CSA should facilitate the effort of the LIASE to create a dialogue and cooperation among all stakeholders. To this end the CSA proposal should aim to establish platform for easy and

efficient exchange of information on priority research topics (R&D&I and cross-cutting aspects) between involved R&D institutions, industry and funding bodies

- i. Stimulate sharing of best practice among the Lighthouse ecosystem on how the crosscutting focus points are addressed, i.e. create conditions for mutual benefits.
 - ii. Stimulate sharing of non-confidential information in order to stimulate synergies at programs and projects level.
 - c. The CSA should support the effort of the LIASE to continuously evaluate in terms of overlap, complementarity and added value with other running and near future programmes/activities in the field. To this end, the CSA proposal should aim to make as comprehensive as possible overview of road mobility related projects in different funding mechanisms.
3. The CSA proposal should foresee work on Mobility.E Visibility
 - a. Organizing in agreement with the LIASE events & presentations supporting the burning research topics of Mobility.E
 - b. Create and maintain Mobility.E WEB page and any other relevant media communication.
 - c. Keep informed of the Mobility.E/LIASE activity the relevant road mobility related associations, EU and national bodies.
 - d. Organize and promote in agreement with the LIASE dedicated workshops on specific mobility research priorities.
 - e. Define together with the LIASE appropriate KPIs to measure and demonstrate the success of the Mobility.E lighthouse.
4. Relation with ECSEL JU governing board
 - a. To assist the LIASE in its effort to identify opportunities for Mobility.E related R&D&I activities and to issue and advice to the ECSEL JU governing board (Nov/Dec time frame) for possible inclusion in future ECSEL Work Plans (WP2018 and WP2019).
 - b. In the same timeframe and in collaboration with the LIASE to report to the ECSEL JU governing board the progress achieved by the Mobility.E lighthouse, based on the defined KPIs.