



HORIZON-CL4-2022-QUANTUM-05-SGA

Supporting open testing and experimentation for quantum technologies in Europe

Qu-Test

Starting date of the project: 01/04/2023
Duration: 42 months

= Application Guidelines =

Qu-Test is a Horizon Europe project that develops, upgrades, and provides infrastructure for testing and experimentation of quantum technologies (computing, communication, and sensing) in Europe. Through the Open Call, Qu-Test supports the creation of a European supply chain by providing external use cases testing and validation services within its testbed network as an independent third party. This document contains basic information needed to guide you in preparing your proposal for submission to the Qu-Test Open Call. It provides guidance on how to structure your application and describes the criteria on which it will be evaluated.

Please provide your submission in English. Proposals submitted in any other language will not be evaluated! Please register in the software at <https://apply.qu-test.eu/>, answer the questions, download the Application Form, fill in all sections of the Application Form, save it as a pdf. document and submit it through the Qu-Test application software within the deadline. It is possible to re-submit the proposal, as well as re-doing submission that is already in the system before the cut-off date. However, once the deadline is over, you will not be able to make any modification to the submitted proposal.

The reference font for the body text of the proposal is Times New Roman (Windows platforms). The minimum font size allowed is 11 points. Standard character spacing and a minimum of single line spacing must be used. The page size is A4, and all margins (top, bottom, left and right) should be at least 20 mm. In addition, figures, schemes and photos are encouraged to be provided to make the aim of the proposal clearer, while also taking into account the final length (**max. 5 pages**).

To be eligible for this Open Call, your organisation must be established in either one of the member states of the European Union, or Iceland, Norway, Israel, with majority ownership and control in the European Union. The ownership and control assessments are conducted by Central Validation Service¹.

By submitting a proposal to the Qu-Test application software you declare that to your knowledge there are no conflicts of interest which might affect the objectivity of your proposal's evaluation.

1. Registration

Company name:

Company Registration Number:

Date of Registration:

Size (Number of employees):

Annual turnover (in millions of €):

Type of organization: Large Enterprise LE/Small and Medium-sized Enterprise SME

Registered Company Address

Street:

Post code:

City:

Country of registration:

Applicant Contact Details

First name:

Last name:

Position in Company:

Email Address:

Telephone Number:

¹ European Commission, 2024, Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment.



This project has received funding from the European Union's Horizon Europe research and innovation program under grant agreement 101113901.

2. Proposal

Proposal full name:

Summary (do not disclose any Intellectual Property Rights):

Please provide a concise summary of the content and objectives of your proposed use case. Please only include relevant information (2000 characters): product you would like to test; definition of the business need, technological challenge and market opportunity; the potential benefits to your business short and long term.

Have you read and understood the Application guidelines? YES/NO

Have you received any support in proposal preparation from the Qu-Test consortium?

3. Evaluation criteria

Main Criteria: Score each criterion from 0 to 5.

Optional criteria: Might not be applicable for all applicants. They are scored as well but will only be taken into consideration at the overall evaluation.

0 – Application fails to address the criterion or cannot be assessed due to missing or incomplete information.

1 – Poor. The criterion is inadequately addressed or there are serious inherent weaknesses.

2 – Fair. The application broadly addresses the criterion, but there are significant weaknesses.

3 – Good. The application addresses the criterion well, but a number of shortcomings are present.

4 – Very good. The application addresses the criterion very well, but a small number of shortcomings are present.

5 – Excellent. The application successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

Please note that apart from the evaluation of each proposal individually, there will also be a portfolio assessment made by the evaluation panel. This assessment will consider the balance in usage of different services offered by the Qu-Test consortium and the capacities of its service providers, which may alter the final ranking of the applications.



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Main Criteria:

I. Excellence

1. **Problem definition:** Please provide a clear definition of the problem to be solved or the challenge to be overcome during the use case both in terms of market needs and technical aspects. Please also include a brief description of the quantum technological aspect of the proposed use case.
2. **Solution to the Problem.** Give a description on how the issue described in I.1 can be solved with the help of services provided by the Qu-Test consortium.
3. **International competitiveness and visibility:** Please describe how the use case is positioned in the broader scope and the current state of the art.
4. **Optional: Regulation, standardization, and certification issues:** Describe any regulatory requirements that you expect for the prototype/product. Do you expect standardization or certification requirements? Does your proposed use case contribute to standardization efforts?

II. Impact:

1. **Strategic objectives:** Describe how the use case would fit into the strategic objective of the company short-term and long-term.
2. **Go-to-market strategy:** How do you envision the next steps to introduce the product/the prototype into the market?
3. **Environmental, societal, economic impact:** Shortly describe what the product/use case will influence in these regards.

III. Implementation:

1. **Work Plan and timeline:** Provide a detailed envisioned timeline with descriptions of what milestones can be reached during the use case (up to 12 months).
2. **Services and resources needed:** Describe clearly what services from the service providers would be necessary and explicitly refer to the service catalogue. Describe how the services help to solve the problem.
3. **Expected output and TRL level:** Please describe the expected output, as for instance the current TRL level of the product/prototype and the expected advancement, other expected improvements of technology or the results of a characterization.
4. **Risk management:** Mention any risks you can foresee for the proposed use case and how these might be mitigated.



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