

Expression of Interest Questions: UK Microgravity Demonstration Programme

This document lists the questions required to submit an Expression of Interest for the UK Microgravity Demonstration Programme, delivered in collaboration by the Satellite Applications Catapult and Voyager Technologies.

Please use these questions to draft your responses in a separate document before submitting them [using this online form](#).

A. Applicant Information

1. Organisation Name
2. Organisation Type
3. Organisation Address
4. Contact Name
5. Job Title
6. Email Address
7. Privacy Policy consent

B. Project Overview (500 characters maximum each question)

8. Project Title
9. Provide a short summary of your proposed project.
10. Which sector best describes your project? (Dropdown)
11. What challenge or opportunity is your project addressing?
12. Why does this project need access to microgravity, and what advantage do you expect compared with terrestrial approaches?
13. Has any previous work or evidence been generated to support this hypothesis? If yes, please provide details.
14. Which outcomes are most relevant to your project? (Dropdown)

C. Project Readiness

15. What's the current stage of the project? What TRL are you at? Does the payload currently exist?
16. What work has already been completed?
17. What would success look like for this demonstration?
18. Are there any critical technical dependencies or risks?
19. What support would you require to prepare for flight?
20. What is your expected timeline for being ready for experimental readiness, payload integration and launch, assuming support is available?

D. Mission Information

21. Describe the payload and its primary objective. What technology or product is being demonstrated?
22. What's the estimated payload mass (in kg) and payload dimensions (length, width and height, in cm)?
23. Does the payload require temperature control? If so, what's the operating temperature range?

24. Does the payload generate data? If so, how much data will roughly be generated during the mission?
25. Does the payload require electrical power? If so, what's the estimated power consumption?
26. What mission duration do you expect the payload or experiment to require?
27. Does the payload, sample or product need to be returned to Earth? If yes, please explain what needs to be returned and why.
28. Does the payload contain any liquids, gases, biological materials, chemicals, pressurised systems, batteries, magnets, lasers or other potentially hazardous materials? If yes, please describe.
29. Can the payload operate autonomously? Does the payload require crew interaction, manual handling, observation, activation, sample collection or any other in-orbit operation? If yes, please describe.

E. Funding and Commercial Opportunity

30. Have you identified any funding sources for this project? This could be internal funding, investor funding, grant funding, corporate sponsorship, partnership agreement, or something else.
31. Would your organisation and/or partners be willing to contribute financially towards the mission? If yes, please indicate an approximate level of contribution.
32. Are you seeking partners? These could be technical partners, academic partners, investors, end users, space delivery partners, or something else.
33. What commercial outcome(s) could this project enable? This could be a new or improved product, reduced manufacturing cost, increased performance, new market opportunity, new IP, or something else.
34. Who would be the ultimate customer or beneficiary of this project?
35. What is the potential economic impact if successful?

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