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Contract

Space Weather R2O2R - BAS

Met Office

UK7: Contract details notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-061233

Procurement identifier (OCID): ocids-h6vhtk-055404 ([view related notices](#))

Published 1 October 2025, 11:27am

Scope

Description

BAS to provide support for the following tasks:

- Finalise restructuring of the codebase into separate repos to primarily address the security risks related to private repos.
- Determine minimum testing requirements and implement tests, particularly for vulnerability/patching purposes and integration tests.
- Implement displays of Galileo and Sentinel-6 data for MEO orbits.
- Implement real-time displays of protons and electrons from MetOp01 and MetOp03 satellites in LEO to provide displays of data across the whole radiation belt and for comparison against BAS-RBM: integral electron flux, maps of electron counts, differential proton flux, integral proton flux, maps of counts for protons.
- Implementation of proton/electron contamination removal algorithm for MetOp and displays of cleaned electron/proton fluxes - removal of proton contamination from MetOp electron channels E1, E2, E3, display real-time cleaned electron counts, display real-time differential electron flux, display real-time maps of cleaned counts for protons.

- Provide support for customer engagement activities (primarily MOSWOC) to further refine visualisations.
 - Implement Dictat for Navstar.
 - Support for verification work to be done at the Met Office through regular discussions.
 - Support for versioning of elements in codebase such as diffusion coefficients.
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Contract 1

Supplier

- NERC UK LTD

Contract value

- £158,000 excluding VAT
- £189,600 including VAT

Above the relevant threshold

Date signed

17 September 2025

Contract dates

- 18 September 2025 to 31 March 2026
- 6 months, 13 days

Main procurement category

Services

CPV classifications

- 73000000 - Research and development services and related consultancy services

Contract locations

- UKC - North East (England)
- UKD - North West (England)
- UKE - Yorkshire and the Humber
- UKF - East Midlands (England)
- UKG - West Midlands (England)
- UKH - East of England
- UKI - London
- UKJ - South East (England)
- UKK - South West (England)

Key performance indicators

Name	Reporting frequency
Delivery of a stable Sat-Risk running in the beta environment of the Met Office portal. Including refactored repos, Dictat implemented for GOES and displays of Galileo and Sentinel-6 data.	1 months
Delivery of a comprehensive instruction manual containing clear and detailed instructions how to build and run the application. Assume the readership of this manual to be at the level of a scientific software engineer.	1 months
Final report on work completed	12 months

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Direct award justification

- Prototypes and development
- Single supplier - technical reasons

The deliverables within the contract are associated with a model and code already developed and owned by the partner (supplier) to a specific maturity under the SWIMMR Programme. The academics hold the model code IPR and provide model access to Met Office and therefore are uniquely placed to provide these services to the Met Office. Delivery will 'accelerate' the model's development towards transition to operations within the Met Office Space Weather service. The purpose of the contract is to continue development of the models (which requires the 'deep expertise' of the model developer) and to transfer model and model code knowledge and expertise. In short, there is no other supplier for the work associated with the model.

Supplier

NERC UK LTD

- Public Procurement Organisation Number: PVLD-3283-PXVL

71 kingsway North, Team Valley

Gateshead

NE11 0JH

United Kingdom

Email: info@nerc.uk

Region: UKC22 - Tyneside

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Supported employment provider: No

Public service mutual: No

Contract 1

Contracting authority

Met Office

- Public Procurement Organisation Number: PVZW-3234-DTLY

Met Office

Exeter

EX1 3PB

United Kingdom

Email: procurement.enquiries@metoffice.gov.uk

Website: <https://www.metoffice.gov.uk/>

Region: UKK43 - Devon CC

Organisation type: Public authority - central government