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Not applicable

ExCALIBUR Fusion Modelling System FM-WP1 Numerical representation: Numerical Analysis Procurement (Project NEPTUNE)

United Kingdom Atomic Energy Authority

F14: Notice for changes or additional information

Notice identifier: 2022/S 000-015371

Procurement identifier (OCID): ocds-h6vhtk-0337ad

Published 1 June 2022, 2:56pm

Section I: Contracting authority/entity

I.1) Name and addresses

United Kingdom Atomic Energy Authority

Culham Science Centre

Abingdon

OX14 3DB

Contact

Abigail Woods

Email

abigail.woods@ukaea.uk

Country

United Kingdom

NUTS code

UKJ14 - Oxfordshire

National registration number

N/A

Internet address(es)

Main address

<http://www.gov.uk/government/organisations/uk-atomic-energy-authority>

Buyer's address

<https://uk.eu-supply.com/ctm/Company/CompanyInformation/Index/72814>

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

ExCALIBUR Fusion Modelling System FM-WP1 Numerical representation: Numerical Analysis Procurement (Project NEPTUNE)

Reference number

T/AW087/22

II.1.2) Main CPV code

- 48000000 - Software package and information systems

II.1.3) Type of contract

Supplies

II.1.4) Short description

Radical changes to supercomputer architectures are on the horizon. The current simulation codes, that much of UK science relies upon, are designed for current supercomputer architectures. These codes will, at best, not be able to fully exploit the power that the supercomputers of the mid-2020s will deliver; at worst, they will run slower on those machines than they do now. Future computers will be more energy efficient and so the longer we rely upon the current approach, the more expensive the solution will be. Therefore, it is essential that we invest now in redesigning those simulation codes so that they perform well on the future generations of supercomputers.

Section VI. Complementary information

VI.6) Original notice reference

Notice number: [2022/S 000-012559](#)

Section VII. Changes

VII.1) Information to be changed or added

VII.2) Other additional information

Please note the new submission date is 24/06/2022 at 12:00