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**Germany-Frankfurt am Main: ECB - Provision of the Statistical
Production and Compilation Environment (SPACE) — PRO-004816
2020/S 048-112641**

Contract award notice

Results of the procurement procedure

Services

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1) Name and addresses

Official name: European Central Bank
Postal address: Sonnemannstrasse 22
Town: Frankfurt am Main
NUTS code: DE712
Postal code: 60314
Country: Germany
Contact person: Central Procurement Division (CPO)
E-mail: procurement@ecb.europa.eu
Telephone: +49 69/13440
Fax: +49 69/13447110

Internet address(es):

Main address: <http://www.ecb.europa.eu>

I.2) Information about joint procurement

I.4) Type of the contracting authority

European institution/agency or international organisation

I.5) Main activity

Economic and financial affairs

Section II: Object

II.1) Scope of the procurement

II.1.1) Title:

Provision of the Statistical Production and Compilation Environment (SPACE) — PRO-004816
Reference number: PRO-004816

II.1.2) Main CPV code

72300000

II.1.3) Type of contract

Services

II.1.4) Short description:

The European Central Bank (ECB) is seeking suitable candidates that will be invited to participate in the negotiated procedure for the provision of the statistical production and compilation environment (SPACE). The ECB collects and manages large amounts of heterogeneous data and statistics to support its institutional functions and tasks (monetary policy, supervisory functions, tasks of the Eurosystem,...). The current Statistical Data Production Environment (SDPE) will be decommissioned due to the end of life reached by some of its components and will be replaced by a new environment that will allow the ECB to fully implement its business strategy with regards to data and data centrality. The SPACE project will introduce this new system in 3 main packages:

- 1) System build;
- 2) Migration;
- 3) Maintenance and support.

II.1.6) **Information about lots**

This contract is divided into lots: no

II.1.7) **Total value of the procurement (excluding VAT)**

Value excluding VAT: 19 863 203.19 EUR

II.2) **Description**

II.2.1) **Title:**

II.2.2) **Additional CPV code(s)**

72000000
72200000
72210000
72211000
72212000
72212211
72212441
72212460
72212462
72212463
72212600
72212610
72220000
72230000
72240000
72250000
72253200
72254100
72260000
72300000
72310000
72320000
72315100
72322000
48600000
48610000

48612000
48611000

II.2.3) **Place of performance**

NUTS code: DE712

Main site or place of performance:

Services for system build and maintenance & support shall preferably be provided remotely (minimum presence at the ECB premises). The service for migration requires a higher on-site presence.

II.2.4) **Description of the procurement:**

The European Central Bank (ECB) is seeking suitable candidates through this call for applications that will be invited to participate in the negotiated procedure and to submit a tender for the contract on the provision of the statistical production and compilation environment (SPACE) (the 'Contract').

Data is a strategic and common asset of the European Central Bank (ECB). The ECB collects and manages large amounts of heterogeneous data and statistics to support the institution's monetary policy and supervisory functions, as well as other tasks of the Eurosystem and the European System of Central Banks (ESCB).

The current ECB Statistical Data Production Environment (SDPE) receives on a regular basis (e.g. daily, monthly, quarterly or yearly frequency) time series observations about around 400 economic indicators. Today more than 20 000 000 time series are processed through a system based on a proprietary commercial time series-based product, comprising data storage, analytics and reporting components. With this software, the ECB statisticians and data scientists implemented the business logic for more than 120 business processes using the available scripting language (e.g. aggregations, frequency conversions, data validation and quality checks) over the last 25 years. In total, we identified more than 3 000 000 lines of this custom code and thousands of reports in different formats such as PDF, HTML or Office Open XML.

The SDPE environment will be decommissioned due to the end of life reached by some of its components and the statistical production and compilation environment (SPACE) project will deliver a new environment that will enable the ECB to implement its business strategy with regards to data and data centrality. Integration with technologies like Cloudera Hadoop and Oracle Exadata, which are already in place, is to be expected.

The SPACE project will introduce this new system in 3 main packages:

1) System Build (Dec 2019-Aug 2020): this new system is intended to support the ECB production of statistical data, initially focusing on, but not limited to, time series. Eventually, the new system is expected to be able to handle multiple ECB data types. Statistical production in the ECB follows the generic statistical business process model (GSBPM) and SPACE will directly support the following phases: build, collect (SDMX, CSV or Office Open XML formats), process (data validation, cleansing, aggregation, modelling, ...), analyse (data analysis and graphical visualisation), disseminate data and metadata management, governance tools and automation through workflow management will be made available. Development of a user interface (UI) to manage and monitor data processing on the platform. Enhancement of existing Python/R libraries for time-series.

2) Migration (Jun 2020-May 2022): Port over 120 existing processes supported by custom code (approximately 3 to 5 000 000 lines of code) to the new platform. SPACE intends to support: time-series programming languages, Python, R, Spark/Scala, Spark/Python or Spark/R. The migration to the new platform will be performed over a 2 years timeframe. The migration of the business logic and reports will need to be done in close collaboration with the business area data scientists owning the code and the new implementation will be owned by the business.

3) Maintenance and support (Jun 2022-Dec 2025): Provide 3rd level support services for the system (excluding support for the underlying Cloudera distribution and components).

The services shall be provided in English.

II.2.5) **Award criteria**

Quality criterion - Name: Technical and functional proposed solutions and architectural standards / Weighting: 10

Quality criterion - Name: Experience and qualifications of the proposed project team / Weighting: 10

Quality criterion - Name: Technical quality and adherence to standards of demonstrations / Weighting: 20

Quality criterion - Name: Method of Operating / Weighting: 5

Quality criterion - Name: Acceptance of the ECB's draft contracts / Weighting: 5

Price - Weighting: 45

II.2.11) **Information about options**

Options: yes

Description of options:

Ancillary deliverables (e. g. provision of training services,...) shall constitute contractual options in favor of the ECB. Further details are provided in the procurement documents.

II.2.13) **Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds: no

II.2.14) **Additional information**

Section IV: Procedure

IV.1) **Description**

IV.1.1) **Type of procedure**

Competitive procedure with negotiation

IV.1.3) **Information about a framework agreement or a dynamic purchasing system**

IV.1.6) **Information about electronic auction**

IV.1.8) **Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: no

IV.2) **Administrative information**

IV.2.1) **Previous publication concerning this procedure**

Notice number in the OJ S: [2019/S 050-113791](#)

IV.2.8) **Information about termination of dynamic purchasing system**

IV.2.9) **Information about termination of call for competition in the form of a prior information notice**

Section V: Award of contract

Contract No: 1

Lot No: 1

Title:

Provision of the Statistical Production and Compilation Environment (SPACE) (ECB and Temporary Grouping T-Systems Belgium NV and T-System International GmbH)

A contract/lot is awarded: yes

V.2) **Award of contract**

V.2.1) **Date of conclusion of the contract:**

17/02/2020

V.2.2) **Information about tenders**

Number of tenders received: 4

The contract has been awarded to a group of economic operators: yes

V.2.3) **Name and address of the contractor**

Official name: T-System International GmbH
Town: Frankfurt am Main
NUTS code: DE712
Country: Germany
The contractor is an SME: no

V.2.3) **Name and address of the contractor**

Official name: T-Systems Belgium NV
Town: Diegem
NUTS code: BE
Country: Belgium
The contractor is an SME: no

V.2.4) **Information on value of the contract/lot (excluding VAT)**

Total value of the contract/lot: 19 863 203.19 EUR

V.2.5) **Information about subcontracting**

The contract is likely to be subcontracted

Short description of the part of the contract to be subcontracted:

Ultra Tendency GmbH, August-Bebel-Strasse 46, D-39326 Colbitz. In their capacity as Big-Data Systems integrator Ultra Tendency GmbH provides certified Cloudera DevOps and development resources and brings in technology expertise and knowledge regarding Cloudera, HBase, Hadoop and Confluent which are relevant building blocks for the SPACE project.

Section VI: Complementary information

VI.3) **Additional information:**

The procurement procedure has been conducted in accordance with Decision ECB/2016/2 of 9.2.2016 laying down the rules on procurement, OJ L 45, 20.2.2016, p. 15 (as amended) available on the ECB website: <http://www.ecb.europa.eu/ecb/jobsproc/tenders/html/index.en.html>

VI.4) **Procedures for review**

VI.4.1) **Review body**

Official name: Procurement Review Body of the European Central Bank, c/o Legal Advice Team
Postal address: Sonnemannstrasse 20
Town: Frankfurt am Main
Postal code: 60314
Country: Germany
Telephone: +49 6913440
Fax: +49 6913446886
Internet address: <http://www.ecb.europa.eu>

VI.4.2) **Body responsible for mediation procedures**

Official name: European Ombudsman
Postal address: 1 avenue du Président Robert Schuman
Town: Strasbourg
Postal code: 67001
Country: France

VI.4.3) **Review procedure**

Precise information on deadline(s) for review procedures:

15 days from the receipt of the information specified in Article 34(3) of ECB Decision 2016/2 laying down the Rules on Procurement or, if no information is requested, 15 days from the receipt of the notification to unsuccessful tenderers. Further requirements are outlined in Article 39 of this Decision. A complaint to the European Ombudsman does not affect the deadline for lodging appeals.

VI.4.4) **Service from which information about the review procedure may be obtained**

Official name: Central Procurement Office
Postal address: Sonnemannstrasse 20
Town: Frankfurt am Main
Postal code: 60314
Country: Germany
Telephone: +49 6913440
Internet address: <http://www.ecb.europa.eu>

VI.5) **Date of dispatch of this notice:**

26/02/2020