

This notice in TED website: <http://ted.europa.eu/udl?uri=TED:NOTICE:298451-2017:TEXT:EN:HTML>

**Belgium-Brussels: Safety case study — accommodation of MALE-type RPAS  
2017/S 145-298451**

**Prior information notice**

**This notice is for prior information only**

**Services**

Directive 2014/24/EU

**Section I: Contracting authority**

**I.1) Name and addresses**

European Defence Agency  
rue des Drapiers 17–23  
Brussels  
1050  
Belgium  
Contact person: Procurement and Contract Unit  
E-mail: [procurement@eda.europa.eu](mailto:procurement@eda.europa.eu)  
Fax: +32 25042975  
NUTS code: BE1

**Internet address(es):**

Main address: <http://www.eda.europa.eu>  
Address of the buyer profile: <http://www.eda.europa.eu/procurement-gateway/opportunitites/eda-procurement>

**I.2) Joint procurement**

**I.3) Communication**

Additional information can be obtained from the abovementioned address

**I.4) Type of the contracting authority**

European institution/agency or international organisation

**I.5) Main activity**

Defence

**Section II: Object**

**II.1) Scope of the procurement**

**II.1.1) Title:**

Safety case study — accommodation of MALE-type RPAS.  
Reference number: 17.CPS.OP.017.

**II.1.2) Main CPV code**

73000000

**II.1.3) Type of contract**

Services

**II.1.4) Short description:**

Remotely piloted aircraft systems' (RPAS) accommodation is defined by ICAO as 'the condition when an RPAS can operate along with some level of adaptation or support that compensates for its inability to comply within existing operational constructs'. The 'existing operational constructs' are not adapted to RPAS operation and until new operational constructs are in place (regulatory framework and required technology) all RPAS operations in European airspace will have a certain degree of segregation.

RPAS operations involving civil air traffic control could be enabled following a safety assessment that will identify the operational limitations or specific arrangements to be implemented in order to compensate the ground risks and air risks linked to non-compliance with operational requirements that exist for manned aircraft.

II.1.5) **Estimated total value**

Value excluding VAT: 200 000.00 EUR

II.1.6) **Information about lots**

This contract is divided into lots: no

II.2) **Description**

II.2.1) **Title:**

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

II.2.3) **Place of performance**

NUTS code: BE

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

The contractor will have to perform a safety case study of 'accommodation' operations using a tailored risk assessment. The study will evaluate at least 2 'standard scenarios', i.e. at least 2 approaches to RPAS accommodation, including the expected initial capability of the RPAS in terms of DAA, C3 that could later be used to support initial MALE-type operations at national level. For these scenarios the study will identify the operational risks and evaluate their mitigations using sound safety analysis methodologies including fast and real time simulations.

The output of the study will be:

— a detailed description of several standard accommodation scenarios.

For each scenario:

- identification of air/ground risks (threats and harms),
- risks mitigations (barriers) based on detailed safety analysis, including fast and real time simulations,
- operational restrictions: e.g. traffic density, separation requirements, planning restrictions (i.e. space/time restrictions),
- new mitigations either procedure or technical enablers (feasible in the 2020–2025 time-frame).

II.2.14) **Additional information**

Expertise in:

- safety case development for ATM and aviation,
- real time and fast time simulation tools in the ATM domain,
- RPAS: platform, ground station and data link operations (technical and operational expertise),
- ATM operations for manned aviation: ICAO 9854, ICAO 4444 and ICAO 8173,
- RPAS concept of operations — IFR flight in controlled airspace, will be required.

II.3) **Estimated date of publication of contract notice:**

27/09/2017

**Section IV: Procedure**

IV.1) **Description**

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

The procurement is covered by the Government Procurement Agreement: no

**Section VI: Complementary information**

VI.3) **Additional information:**

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

20/07/2017