

**United Kingdom-Prestwick: Radar surveillance equipment**  
**OJ S 9/2015 14/01/2015**  
**Contract notice – utilities**  
**Supplies**

**Directive 2004/17/EC**

**Section I: Contracting entity**

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**I.1. Name and addresses**

Official name: Glasgow Prestwick Airport  
Postal address: Aviation House  
Town: Prestwick  
Postal code: KA9 2PL  
Country: United Kingdom  
For the attention of: Steve Thomson  
E-mail: [procurement@glasgowprestwick.com](mailto:procurement@glasgowprestwick.com)  
Telephone: +44 1292511055

**Internet address(es):**

General address of the contracting entity: <http://www.glasgowprestwick.com>  
Address of the buyer profile: [http://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA17443](http://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA17443)

**Additional information can be obtained from:**

the abovementioned address

**Specifications and additional documents (including documents for a dynamic purchasing system) can be obtained from:** the abovementioned address

**Tenders or requests to participate must be submitted:** the abovementioned address

**I.2. Main activity**

Airport-related activities

**I.3. Contract award on behalf of other contracting entities**

**Section II: Object of the contract**

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**II.1. Description**

**II.1.1. Title attributed to the contract by the contracting entity**

Wind Farm Radar Mitigation System.

**II.1.2. Type of contract and place of performance or delivery**

Supplies

A combination of these

Main site or place of performance: Glasgow Prestwick Airport.

NUTS code UKM37 South Ayrshire

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

The notice involves a public contract

**II.1.4. Information about framework agreement**

**II.1.5.**

### **Short description of the contract or purchase(s)**

Glasgow Prestwick Airport (GPA) Ltd is seeking to procure a Wind Farm Radar Mitigation System that includes the following lots:

- Lot 1 — A Surveillance Air Traffic Services (ATS) Primary Surveillance Radar (PSR) capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm;
- Lot 2 — A Surveillance ATS PSR capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm that can be developed to provide wind farm tolerance to no less than 40 nm by 2017;
- Lot 3 — A Multi Radar Tracker (MRT), to integrate/Fuse all GPA surveillance Data Sources for display to the Air Traffic Controller (ATC), that includes:
  - Lot 1 and/or Lot 2 mitigated Surveillance Data;
  - The existing S511 PSR Plot Extracted (PEX) Radar Data and/or Analogue Radar Video;
  - Other PSR Sensor Data (2 or more);
  - Secondary Surveillance Radar (SSR) from either Onward Routed Radar Data (ORRD) or other SSR sources, such as Wide Area Multi-lateration (WAM) Systems;
  - Other future Surveillance Data Sources such as ADS-B.
- Lot 4 — A Replacement or upgraded Radar Display System (RDS) whichever is most economically advantageous required to select and display as well as the SSR data sources, the integrated surveillance data from Lot 3. This shall include the following functionality as a minimum:
  - An S511 PSR Video digitiser generating PEX ASTERIX CAT048 Data;
  - A 'Through The Wall' and 'At The Glass' Radar Data and Voice Recorder System;
  - Remote Status Indicator (RSI).

#### **II.1.6. CPV code(s)**

38115100 Radar surveillance equipment, 34968100 Airport Surveillance System (SUR), 45223400 Radar station construction work, 32352200 Radar spare parts and accessories, 34962000 Air-traffic control equipment, 34962220 Air-traffic control systems

#### **II.1.7. Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: yes

#### **II.1.8. Information about lots**

This contract is divided into lots: yes

Tenders may be submitted for one or more lots

#### **II.1.9. Information about variants**

Variants will be accepted: yes

### **II.2. Scope of the procurement**

#### **II.2.1. Total quantity or scope**

The total scope of the contract includes the design, manufacture/supply, installation, test and commission of:

- Lot 1 — A Surveillance Air Traffic Services (ATS) Primary Surveillance Radar (PSR) capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm;
- Lot 2 — A Surveillance ATS PSR capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm that can be developed to provide wind farm tolerance to no less than 40 nm by 2017;
- Lot 3 — A Multi Radar Tracker (MRT), to integrate/fuse all GPA Surveillance Data Sources

for display to the Air Traffic Controller (ATC), that includes:

- Lot 1 and/or 2 mitigated Surveillance Data;
- The existing S511 PSR Plot Extracted (PEX) Radar Data and/or Analogue Radar Video;
- Other PSR Sensor Data (2 or more);
- Secondary Surveillance Radar (SSR) from either Onward Routed Radar Data (ORRD) or other SSR sources, such as Wide Area Multi- Lateration (WAM) Systems;
- Other future Surveillance Data Sources such as ADS-B.
- Lot 4 — A Replacement or upgraded Radar Display System (RDS) whichever is most economically advantageous required to select and display as well as the SSR data sources, the integrated surveillance data from Lot 3. This shall include the following functionality as a minimum:
  - An S511 PSR Video digitiser generating PEX ASTERIX CAT048 Data;
  - A 'Through the Wall' and 'At the Glass' Radar Data and Voice Recorder System;
  - Remote Status Indicator (RSI).

The procurement and installation of the following elements:

- Electrical/electronic interface work;
- Communication cabling and power supplies;
- All associated civil works;
- Initial set-up and configuration of the MRT to integrate the surveillance elements.

### **II.2.2. Information about options**

Options: no

### **II.2.3. Information about renewals**

This contract is subject to renewal: no

## **II.3. Duration of the contract or time limit for completion**

Information about lots

Lot No: 3

Lot title: A Multi-Radar Tracker (MRT)

### **1) Short description**

A Multi Radar Tracker (MRT), to integrate/fuse all GPA Surveillance Data Sources for display to the Air Traffic Controller (ATC), that includes:

- Lot 1 and/or Lot 2 mitigated Surveillance Data;
- The existing S511 PSR Plot Extracted (PEX) Radar Data and/or Analogue Radar Video;
- Other PSR Sensor Data (2 or more)
- Secondary Surveillance Radar (SSR) from either Onward Routed Radar Data (ORRD) or other SSR sources, such as Wide Area Multi-Lateration (WAM) Systems;
- Other future Surveillance Data Sources such as ADS-B.

### **2) CPV code(s)**

38115100 Radar surveillance equipment, 34968100 Airport Surveillance System (SUR), 45223400 Radar station construction work, 32352200 Radar spare parts and accessories, 34962000 Air-traffic control equipment, 34962220 Air-traffic control systems

### **3) Quantity or scope**

The procurement, commissioning and installation of the following elements:

- The MRT equipment;
- Electrical/Electronic interface work;
- Communication cabling and power supplies;
- All associated civil works;

— Initial set-up and configuration of the MRT to integrate the existing GPA Surveillance Data Sources and Surveillance Data provided from Lot 1 and/or Lot 2 and to interface with the existing Surveillance infrastructure that will also include Lot 4.

Lot No: 4

Lot title: An upgraded or replacement Radar Display System (RDS)

**1) Short description**

A replacement or upgraded Radar Display System (RDS) whichever is most economically advantageous required to select and display as well as the SSR data sources, the integrated surveillance data from Lot 1 and/or from Lot 2 and/or Lot 3. This shall include the following functionality as a minimum:

- An S511 PSR Video digitiser generating PEX ASTERIX CAT048 Data;
- A 'Through the Wall' and 'At the Glass' Radar Data and Voice Recorder System;
- Remote Status Indicator (RSI).

**2) CPV code(s)**

38115100 Radar surveillance equipment, 34968100 Airport Surveillance System (SUR), 32352200 Radar spare parts and accessories, 34962000 Air-traffic control equipment, 34962220 Air-traffic control systems

**3) Quantity or scope**

The procurement, commissioning and installation of the following elements:

- The RDS equipment;
- The S511 PSR Video digitiser equipment;
- The Radar Data and Voice Recording (RDR) equipment;
- The Remote Status Indicator (RSI) equipment;
- Electrical/electronic interface work;
- Communication cabling and power supplies;
- Initial set-up and configuration of the RDS and additional equipment stated above, to interface with and display surveillance data sources provided from Lot 1 and/or Lot 2 and/or Lot 3 and other surveillance sources, including the existing S511 Video/PEX Data, SSR ORRD and future surveillance data sources as applicable.

Lot No: 1

Lot title: A 20 nm wind turbine resilient ATS Primary Surveillance Radar (PSR)

**1) Short description**

An Air Traffic Services (ATS) Primary Surveillance Radar (PSR) capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm.

**2) CPV code(s)**

38115100 Radar surveillance equipment, 34968100 Airport Surveillance System (SUR), 45223400 Radar station construction work, 32352200 Radar spare parts and accessories, 34962000 Air-traffic control equipment, 34962220 Air-traffic control systems

**3) Quantity or scope**

The procurement, commissioning and installation of the following elements:

- The PSR equipment and infrastructure;
- Electrical/electronic interface work;
- Communication cabling and power supplies;
- All associated civil works;

— Initial set-up and configuration of the PSR to integrate with the other surveillance elements (i.e. Lots 3 and 4).

Lot No: 2

Lot title: An up-to 40 nm wind turbine resilient ATS Primary Surveillance Radar (PSR)

**1) Short description**

A Surveillance ATS PSR capable of mitigating the effects of wind turbines within the GPA Operational Volume, providing 360° of coverage and to a range of no less than 20 nm that can be developed to provide wind farm tolerance to no less than 40 nm by 2017;

**2) CPV code(s)**

38115100 Radar surveillance equipment, 34968100 Airport Surveillance System (SUR), 45223400 Radar station construction work, 32352200 Radar spare parts and accessories, 34962000 Air-traffic control equipment, 34962200 Air-traffic control

**3) Quantity or scope**

The procurement, commissioning and installation of the following elements:

- The PSR equipment and infrastructure;
- Electrical/electronic interface work;
- Communication cabling and power supplies;
- All associated civil works;
- Initial set-up and configuration of the PSR to integrate with the other the surveillance elements (i.e. Lots 3 and 4).

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**Section III: Legal, economic, financial and technical information**

**III.1. Conditions related to the contract**

**III.1.1. Deposits and guarantees required**

A bond will be required for participating organisations that are successful in 1 or more of the individual lots.

**III.1.2. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them**

These will be set out in detail in the contract which will be entered into between GPA and the successful economic operator/economic operators.

**III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded**

Consortia tenders are acceptable, however, in respect of each lot, GPA reserves the right to require groups of economic operators to take a particular legal form or require a single economic operator to take primary liability and/or require that each party undertakes joint and several liability. This may include a requirement to establish a special purpose vehicle.

**III.1.4. Contract performance conditions**

The performance of the contract is subject to particular conditions: no

**III.2. Conditions for participation**

**III.2.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers**

List and brief description of conditions: (1) All candidates will be required to produce a certificate or declaration demonstrating that they are not bankrupt or the subject of an

administration order, are not being wound-up, have not granted a trust deed, are not the subject of a petition presented for sequestration of their estate, have not had a receiver, manager or administrator appointed and are not otherwise apparently insolvent.

(2) All candidates will be required to produce a certificate or declaration demonstrating that the candidate, their directors, or any other person who has powers of representation, decision or control of the candidate has not been convicted of conspiracy, corruption, bribery, or money laundering. Failure to provide such a declaration will result in the candidate being declared ineligible and they will not be selected to participate in this procurement process.

(3) All candidates will be required to produce a certificate or declaration demonstrating that they have not been convicted of a criminal offence relating to the conduct of their business or profession.

(4) All candidates will be required to produce a certificate or declaration demonstrating that they have not committed an act of grave misconduct in the course of their business or profession.

(5) All candidates must comply with the requirements of the State in which they are established, regarding registration on the professional or trade register.

(6) Any candidate found to be guilty of serious misrepresentation in providing any information required, may be declared ineligible and not selected to continue with this procurement process.

(7) All candidates will be required to produce a certificate or declaration demonstrating that they have fulfilled obligations relating to the payment of social security contributions under the law of any part of the United Kingdom or of the relevant State in which the candidate is established.

(8) All candidates will be required to produce a certificate or declaration demonstrating that they have fulfilled obligations relating to the payment of taxes under the law of any part of the United Kingdom or of the relevant State in which the economic operator is established. Information and formalities relating to the situation of economic operators will be set out in the Pre-Qualification Questionnaire (PQQ) that will be sent to those expressing an interest. PQQ's must be requested from the contact point set out in Section 1 of this Notice.

### **III.2.2. Economic and financial ability**

List and brief description of conditions: As set out in the PQQ.

A PQQ will be issued to each organisation which registers an interest in delivering this opportunity. An organisation can register its interest by emailing the contact point addressed in I.1.

### **III.2.3. Technical and professional ability**

List and brief description of conditions: As set out in the PQQ.

A PQQ will be issued to each organisation which registers an interest in delivering this opportunity. An organisation can register its interest by emailing the contact point addressed in I.1.

### **III.2.4. Information about reserved contracts**

#### **III.3. Conditions specific to services contracts**

##### **III.3.1. Information about a particular profession**

##### **III.3.2. Information about staff responsible for the performance of the contract**

## **Section IV: Procedure**

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#### **IV.1. Type of procedure**

##### **IV.1.1. Type of procedure**

Negotiated

Some candidates have already been selected (if appropriate under certain types of negotiated procedures): no

#### **IV.2. Award criteria**

##### **IV.2.1. Award criteria**

The most economically advantageous tender in terms of the criteria stated in the specifications or in the invitation to tender or to negotiate

##### **IV.2.2. Information about electronic auction**

#### **IV.3. Administrative information**

##### **IV.3.1. File reference number attributed by the contracting entity**

GPA\_AENG\_001

##### **IV.3.2. Previous publication concerning this procedure**

**Periodic indicative notice**

Notice number in the OJ S: [2014/S 249-443425](#) of 27.12.2014

##### **IV.3.3. Conditions for obtaining specifications and additional documents**

(except for a DPS)

##### **IV.3.4. Time limit for receipt of tenders or requests to participate**

10.2.2015 - 12:00

##### **IV.3.5. Languages in which tenders or requests to participate may be submitted**

English.

##### **IV.3.6. Minimum time frame during which the tenderer must maintain the tender**

##### **IV.3.7. Conditions for opening of tenders**

#### **Section VI: Complementary information**

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##### **VI.1. Information about recurrence**

##### **VI.2. Information about European Union funds**

##### **VI.3. Additional information**

GPA is owned and operated by The Scottish Government.

GPA has circa 35 000 annual air traffic movements and is surrounded by land subject to significant planning applications for wind farm development.

GPA is owned and operated by 'The Scottish Government', and has circa 35 000 annual air traffic movements.

GPA is surrounded by land subject to significant planning applications for wind farm development. Due to their location, these wind farms will impact on the existing surveillance system generating clutter that will be displayed to ATC on the RDS. Currently GPA does not have a suitable means of mitigating or removing that clutter.

GPA requires a technical solution to mitigate the wind farm clutter generated by certain consented wind farm developments. In addition, currently there is a number of other wind farm

developments in various stages of engagement which have the potential to impact adversely on GPA's Surveillance and RDS System. GPA requires a radar system that will provide the basis to develop mitigation for other wind farms in the Region which impact on its ATC and RDS on a consistent basis without detriment to the operability of the ATC and RDS. This objective is referred to as the 'Regional Solution'.

The objective is for the Regional Solution to be developed to facilitate the provision of a safe, resilient, compliant and effective approach radar system that will be capable of providing the basis to develop mitigation for individual wind farms within the region on a consistent basis. The region will cover 360° out to a range of 20 nm in the initial phase but extending out to 40 nm over time.

Please note, a number of organisations have previously conducted and are currently conducting technology trials at Glasgow Prestwick Airport. GPA is committed to treating all bidders equally throughout the tender process. Therefore, as part of the procurement process, GPA welcomes the opportunity to discuss with organisations the potential for any further technical trials. Organisations may wish to engage with GPA on this point as part of the tender process. GPA will make available any non-confidential information regarding the output of all tests conducted at the airport.

GPA has initiated a procurement programme for a wind farm resilient, Primary Surveillance Radar (PSR), Data Integration and Radar Display Systems, thus allowing development of wind turbines.

A PQQ is available from the contact point set out at Section 1 of this Notice.

PQQs must be requested, and completed PQQs returned by midday on 10.2.2015 in order for economic operators to have formally registered their interest.

Organisations interested in participating in this competition should register their interest in delivering this contract by emailing Steve Thomson at the email address specified in Section I.1 A PQQ will be issued to those organisations who registered their interest in delivering this opportunity.

Variant bids maybe accepted by GPA provided that their form and nature are approved by GPA in advance.

GPA reserves the right to elect not to award 1 of more lots. In particular, given the potential overlap between the lots, GPA reserves absolute discretion to determine whether each or any lot is required.

(SC Ref:328184).

#### **VI.4. Procedures for review**

##### **VI.4.1. Review body**

##### **VI.4.2. Review procedure**

Precise information on deadline(s) for review procedures: As per the Utilities Contracts (Scotland) Regulations 2012.

##### **VI.4.3. Service from which information about the review procedure may be obtained**

##### **VI.5. Date of dispatch of this notice**

9.1.2015