

STATEMENT OF REQUIREMENT – 709282452 - MICA SUPPORT

Introduction

Purpose

The contemporary operating environment and re-balance of operations from counter-insurgency operations to the Counter-hostile state threat has identified several capability areas for Defence which require maturing.

This SOR is concerned with the area of Electronic Warfare (EW) and Radar-Electronic Support Measurement (Radar-ESM) equipment. This with a view to continuing support to Operational Concept Demonstrator (OCD) Radar-ESM capability that is suitable for operations within the Land environment.

A Radar-ESM system provides enhanced situational awareness by capturing and fingerprinting every radar transmission in the area.

Background

G6 CEMA Effects Gp EW require a Radar-ESM capability.

History; a previous procurement of a Radar-ESM capability under Commander Field Army initiative utilising Land Information Manoeuvre Enterprise (LIME) has provided significant benefits which include the operational deployment of Radar-ESM in support of contemporary operations.

The LIME procurement of Radar-ESM is no longer supported despite being utilised as an OCD in a Theatre of operations. Currently Land EW have possession of the physical hardware, software, and trained personnel, however, there is now no service-wrap to provide break-fix and a plethora of other support wrap considerations as listed within the four scope areas below. This is due to the LIME contract ending with no option to renew.

Objectives

The required outcomes from this procurement will ensure that the Radar-ESM capability held by the CEMA Group is provided with a one-year extension (service-wrap). This wrap will encompass in outline; 1) core support; 2) call-off days, 3) guaranteed repair times and; 4) spares holdings.

Since the LIME vendor is UK based there is no requirement to work between non-UK Govt or non-UK Military Off the Shelf providers which will benefit procurement strategy and timeliness of contract implementation.

Scope

The scope of what is required to be included within the SOR for the delivery of a one-year support package to functional Radar-ESM capability to the G6 CEMA Effects Group EW Regts:

1. Core Support

- The following items are included within the annual Core support element:
 - Integrated Support Plan – Updated annually
 - Annual Report detailing
 - Spares holdings
 - Technical support delivered
 - Repairs summary
 - KPI performance
 - Issues, Risks and Opportunities
 - Tasks completed
 - Call off day allocation
 - Recommendations
 - UK Office Hours Telephone and Email Helpdesk
 - Software Bug fixing
 - Software Upgrades
 - Annual Refresher Training – 2 courses per year
 - Ad-hoc tasking administration (additional tasks beyond call off days)
 - Configuration Management
 - Annual Contract Review Meeting
 - Invitation to Bi-annual Users Forum
 - Dedicated Spares Holding
 - Repair Management
 - Annual Updates to Training Documentation
 - Technical support (up to 8 hours per year)
 - Safety Case Advice
 - Obsolescence Monitoring and Annual Reporting

2. Call-Off Days

- 20 days per year allocated.
 - To be used as directed by the Authority.
 - T&S expenses within the UK are included.
 - Travelling time from TDS will contribute towards consumed days.
 - The allocation can be used for additional training.
 - Overseas support may be provided at the request of the Authority. Overseas support does not extend to areas requiring Contractor on Deployed Operations (CONDO) training. For overseas travel T&S expenses will be recharged to the Authority at cost. They are not included in the daily rate.
- An Option for an additional 130 days has been included as a Limit of Liability to allow maturing, testing and roll-out of the database integration project from Proof of Concept to In-Service. A more detailed breakdown can be provided on completion of the Proof of Concept.

3. Guaranteed Repair Turn Around Times (TAT) and Matrix Pricing

- An 8-week TAT is required due to the operational requirements against this capability.

Pricing Matrix			
Repair level	Description	Price	Conditions
Survey	Initial phase. Unit is tested and fault diagnosed.	law Annex A to Schedule 2	All units on receipt.
Light	Light Level Repair	law Annex A to Schedule 2	In instances that a maximum of 10 hours manufacturing time is allocated. No recalibration.
Medium	Medium Level Repair	law Annex A to Schedule 2	In instances that a maximum of 40 hours manufacturing time is allocated. No recalibration.
Heavy A	Heavy A Level Repair	law Annex A to Schedule 2	In instances that a maximum of 60 hours manufacturing time is allocated. Unit is recalibrated.
Heavy B	Heavy B Level Repair	law Annex A to Schedule 2	In instances that a maximum of 90 hours manufacturing time is allocated. Unit is recalibrated.
No fault found	As Survey price		
Beyond repair	As Survey price		

4. Estimated spares holdings

For budgetary purposes the supplier has estimated the range and types of components and sub-systems which would need to be held to meet 8-week TAT. For an 8-week KPI these would be required at the sub-unit level and include the OEM's effort to assemble and test the sub-units in advance. Each individual repair will consequently tend to be at lower cost as the sub-units have already been built. Repairs to the sub-units should be included within the individual repair quotation as required. Materials which can be reliably sourced in a timescale to meet the TAT have been excluded and will be added to the individual repair costs as required. The OEM will quote for the replacement materials as consumed. It is assumed that no more than 1-2 systems with a particular fault will be returned within a 12-month period. Spares to replace possible defective components of 1-2 systems only should be held (for example – 8 spare antennas will be held, sufficient to replace all on 1 unit or to be used across a few more minor repairs). Replacements for major structural items (such as the main housing) will likely not be held due to cost. A replacement secure laptop will need to be held by the supplier.

Requirements

G6 CEMA Effect Group require support to its (existing LIME procurement) Radar-ESM capability that is not currently service wrapped within a Core Equipment Programme despite being a proven capability that is deployed in support of current operations.

G6 CEMA Effects Group are required to sustain its Radar-ESM system to provide enhanced situational awareness by capturing and fingerprinting every radar transmission in the area. The LIME Radar-ESM is the primary operational capability available to Land that is capable of being operating from military vehicles.

The LIME Radar-ESM capability can identify emitters and highlights changes in operating patterns, delivering vital real-time intelligence. Rugged, compact, and simple to operate, the (LIME procured) G6 CEMA Effects Group Radar-ESM is Military Off the Shelf (MOTS)

mature and it is currently in service within NATO and Allied countries, therefore continuation of its use is beneficial for a multitude of reasons, including NATO/Allied interoperability.

Mandatory requirements –

- Start and completion dates:
 - Minimum One-year contract commencing ASAP in 2023.
 - One-year contract with option for a second-year extension.
- Timescales:
 - Support timings are to be as set within the OEM contract (see Scope - Guaranteed Repair Turn Around Times (TAT) and Matrix Pricing).
- Acceptance will be the provision of one year of OEM support to G6 CEMA Effects Group's Radar-ESM capability.
- Acceptance process – End user(s) are to have direct liaison with the OEM for the purposes of calling upon the Radar-ESM support contract extension to LIME.
- Performance requirements to be met are in accordance with Guaranteed Repair Turn Around Times (TAT) and Matrix Pricing, @ 8 weeks.
- CEMA Group units would reasonably expect to draw down on core support as listed under Scope (para 1). Where meetings are to take place, these are to be facilitated by the OEM within the G6 CEMA Effects Group Regiments where practicable.

Additional information included here should flow from the specific requirements. The important additional points to consider are:

The OEM is required to support G6 CEMA Effects Group where data from wider Defence is to be ingested into the Radar-ESM capability. This is to include confirmation of receipt of Defence data and its success.

Health and Safety:

The OEM is aware of European Directives relating to the use of certain hazardous substances in electrical and electronic equipment and resulting UK RoHS Regulations (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) and is able to confirm that no Teledyne Defence & Space products fall within categories 1 to 10 of Schedule 1 the RoHS regulations. Workmanship will be undertaken to Class 3 IPC.

Outputs/deliverables/milestones

Deliverables required of the OEM are contained within the scope of this SOR. The deliverable that is not contained within the Scope is for the data sharing and ingestion of a Defence dataset into the Radar-ESM system.

Acceptance and Repair process

Acceptance will be ratified by the Project Manager after confirmation by User/Operator.

Any and all repair work required to be carried out in accordance with this SOR will be detailed and approved via a Task Order Form (TOF) in the format at Annex A. The TOF will be authorised by either the PM or Assistant PM.

Intellectual Property (IP) Rights (Known as IPR)

IPR for the capability (hardware and software) will remain with the OEM.

Where evaluation has taken place to enable data (libraries) from wider Defence to be ingested into the OEM Radar-ESM capability, this data shall remain the property of Defence Intelligence within UKStratCom.

Government Furnished Supplies

This is no associated Government Furnished Information (GFI), Government Furnished Equipment (GFE) or Government Furnished Supplies (GFS) contained within the Radar-ESM capability.

End of contract/Exit strategy

- Contract will cease as of one-year from contract initiation.
- This with a view that CEMA Group can take a second option year to sustain support to Radar-ESM where there remains an operational imperative to do so.

TASK ORDER FORM – PART 1

ORDER NUMBER:

CONTRACT No: 709282452 – MICA SUPPORT

TO: Teledyne UK Ltd

INSPECTION REQUEST / PARTS PURCHASE

(Delete as appropriate)

Please inspect the following equipment for diagnosis of fault.

Equipment Detail

Item	Quantity	Suspected Fault

OR

Please provide a quotation for the purchase of parts as detailed below:

Item	NSN	Quantity

SIGNATURE

NAME

APPOINTMENT

CONTACT EMAIL

DATE:

TASK ORDER FORM – PART 2

ORDER NUMBER:

CONTRACT No: 709282452 – MICA SUPPORT

TO: REQUIREMENTS MANAGER

FAULT ANALYSIS REPORT (by Teledyne Inspector)

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REPAIR QUOTATION

Item	Summary of Work Required (incl TAT)	Price

OR

PARTS QUOTATION

Item	NSN Number	Quantity	Price Each	Total

SIGNATURE

NAME

APPOINTMENT

TELEPHONE NO:

DATE:

TASK ORDER FORM – PART 3

ORDER NUMBER: ...

CONTRACT No: 709282452 – MICA SUPPORT

TO: Teledyne UK Ltd

REQUIREMENTS MANAGER - APPROVAL

Requirements Manager approval is hereby given for this task to proceed at a Firm price of £xxxx.xx ex VAT with a delivery date of XX XXX XX as stated in Part 2. I ratify the specified tasks are in the overall scope of contract 709282452, and the agreed costs remains within the headroom of the contract.

SIGNATURE

NAME

APPOINTMENT

CONTACT EMAIL

DATE:

COMMERCIAL OFFICER AUTHORITY

Teledyne UK Ltd are hereby authorised to proceed work subject to the following caveats:

SIGNATURE

NAME

APPOINTMENT

CONTACT EMAIL

DATE:

TASK ORDER FORM – PART 4

ORDER NUMBER: ...

CONTRACT No: 709282452 – MICA SUPPORT

TO: REQUIREMENTS MANAGER

DELIVERY OF REPAIR / PARTS

The items as listed in Part 2 of order number ... have been completed and/or dispatched to {*enter end user address*} on {*enter date and time*}.

CERTIFICATE OF CONFORMITY Ref No:

SIGNATURE

NAME

APPOINTMENT

CONTACT EMAIL

DATE:

TASK ORDER FORM – PART 5

ORDER NUMBER: ...

CONTRACT No: 709282452 – MICA SUPPORT

TO: TELEDYNE UK LTD

ACCEPTANCE FORM

The items listed in Part 2 of order number have been received, inspected, and accepted by the {*enter end user*} on {*enter date and time*}.

SIGNATURE

NAME

APPOINTMENT

CONTACT EMAIL

DATE: