

Schedule 1 – Statement of Requirements

Requirement

1. A GPS tracking capability that informs Exercise Control (ExCon) and allows instructors to deploy trainees onto an exercise area with the minimum of supervision and with increased confidence in the ability to track and recover trainees as required. The system should be capable of displaying individuals' positions on digital mapping (OS or foreign equivalent) and provide an 8-figure grid reference of their location. It must be simple to operate by the military user and require minimal training. An assisted system with third-party management is not acceptable.
2. The GPS Tracking capability must provide:
 - a. The ability to remotely track trainees during field exercises in the UK and abroad¹.
 - b. The ability to locate trainees should they become lost or separated during field training exercises in the UK and abroad.
 - c. The ability for the tracked person to send an SOS signal should they need assistance.
 - d. The directing staff (DS) with better situation awareness of all 'tagged' personnel conducting and supervising the exercise ensuring exercise risks are reduced to as low as reasonably practicable (ALARP).
 - e. Increased efficiencies by reducing the need for DS to man check points.
 - f. DS with the ability to monitor and de-brief trainees more accurately and rectify shortcomings in their navigational skills.

Proving the solution

3. As part of the tender process the supplier would need to provide a demonstration on location, in a typical exercise scenario, under exercise conditions. This is to ensure that the system has the requisite coverage, is able to be operated by military personnel and delivers the output outlined in paragraphs 2 and 4. This demonstration is expected to take place on Dartmoor.

User requirements

4. The following table represents the requirements in terms of capability and equipment. Note sufficient equipment is required to support 2 x 40-man activities and 1 x 10-man activity (this will entail having 3 x ExCons).

Ser (a)	User Requirement (b)	Threshold (c)	Objective (d)	Justification (e)	Remarks (f)
Capability requirement					
1	Monitoring station Ability to track/monitor multiple trainees (up to 90 x individuals) remotely when operating in field conditions (under canvass).	Two ExCons monitoring two exercises simultaneously (max 90 personnel in total) using portable systems.	Three ExCons monitoring three exercises simultaneously (max 90 personnel in total) using portable systems.	DS will start a search procedure once a cut-off time has been reached if all trainees are not accounted for. The ability to track trainees will reduce this search time.	The threshold reflects a compromise should three monitoring stations be prohibitively expensive.

¹ Specifically, (but not limited to) Norway, USA and Switzerland.

2	Tracking Ability to show individuals' positions on OS (or foreign equivalent) digital mapping (1:50,000 & 1:25,000) with 8-Figure grid references.	Positions updated at least every 2½ minutes.	Positions updated at least every 2½ minutes. Ability to play-back individuals' routes.	The capability requirement is to locate a trainee should he become lost – not necessarily to track him throughout, although this is preferable.	The 'play-back' will add significant training value, although this is not its primary purpose.
3	SOS/Help function Ability for the tracked person to summon help at the push of a button	Single push button	Single push button	Function allows the trainee to summon help should they get in difficulty – ie if they get injured.	
4	Mapping Monitoring station to have integrated (not streamed) electronic OS mapping or foreign equivalent.	1:25,000 1:50,000	1:250,000 1:100,000 1:50,000 1:25,000	To ensure coherency with mapping used during training.	
5	Coverage Must be able to track personnel in all parts of the UK and selected countries abroad.	UK and the following foreign countries Norway, USA and Switzerland.	Coverage anywhere in the world.	CTCRM train on all UK training areas. Small elements train in USA, Norway and Switzerland on an annual basis.	
6	Usage The anticipated average use is 90 x tracked personnel for 8 hours a day, 225 days a year.	Fixed usage (limited use) based on an anticipated usage	Unlimited usage, unconstrained by 'limited' air time.	User does not want to be constrained by having 'limited air-time'	Training requirements vary from year to year.
Training					
7	Self-teach system A self-teach system, which is intuitive and easy to use. An initial train the trainer package to be included, delivered to key personnel.	A train the trainer package delivered to key personnel to cascade the training to all users.	Minimal time required to self-teach using supplied literature. "Minimal time" means no longer than 40 minutes.	Users will use this system infrequently and there is insufficient time available to establish formal training on a regular basis.	
Ser (a)	User Requirement (b)	Threshold (c)	Objective (d)	Justification (e)	Remarks (f)
Equipment					
8	Monitoring equipment a. Robustness. All equipment must be sufficiently robust for deployment into the field.	Robust enough to operate from a vehicle or tent.	Robust enough to be man-packed.	The equipment will be used by different users every week; it needs to stand up to the rigours of austere and arduous field exercises.	

	b. Mobility. The system should be able to be operated in field conditions in the same vicinity as the trainees.	Sufficiently mobile to be operated in austere field conditions using a limited power source including but not limited to: 1. A Light-Weight Field Generator (normal domestic voltage via a three-pin plug). 2. Vehicles (car 12-volt power source via a cigarette lighter).	Sufficiently mobile to be man-packed and operated without any power source or local IT connectivity.	ExCon operate in field conditions located away from basic life support infrastructure (power and IT connectivity).	The manpack ability will be for short periods, not exceeding 4-hours.
9	Tracking devices (Tags) (x 90) Suitable for operating in austere field conditions.	Minimum 48 hours (on fresh batteries or charge), robust, waterproof (IP67) and simple to use requiring little or no maintenance.	Minimum 48 hours (on fresh batteries or charge), robust, waterproof (IP68) and simple to use requiring little or no maintenance.	Used in all conditions, including crossing water obstacles.	Must be able to be secured to the individual.

Provision for spares/damage

5. The contract shall include provision of spares (at additional cost – other than for equipment failure in the initial 12-month guarantee period) and system support for the duration of its life-span (such as technical support, provision of spares, problem solving). Spares must be provided within one week of being ordered.

Contract Duration

6. The contract will be for five years. The system support is required for the duration of the contract.

Schedule 2 – Schedule of Requirements

Deliverables									
Item Number	MOD Stock Reference No.	Part No. (where applicable)	Specification	Consignee Address Code	Packaging Requirements inc. PPQ and DofQ	Delivery Date (estimated, to be confirmed on contract award)	Total Quantity	Firm Price (£) Ex VAT	
								Per Item	Total inc. packaging and delivery
1			Purchase of a Global Positioning System Tracker capability (to include all items per Statement of Requirement)			June 2018	1		
2			Year 1 GPS system support: replacement trackers, spares and technical support			June 2018 to June 2019	1		
3			Year 2 GPS system support: replacement trackers, spares and technical support			June 2019 to June 2020	1		
4			Year 3 GPS system support: replacement trackers, spares and technical support			June 2020 to June 2021	1		
5			Year 4 GPS system support: replacement trackers, spares and technical support			June 2021 to June 2022	1		
6			Year 5 GPS system support: replacement trackers, spares and technical support			June 2022 to June 2023	1		
								Total Firm Price	

Item Number	Consignee Address (XY code only)
All	Commando Training Centre Royal Marines Lypstone Exmouth Devon

Schedule 3 - Contract Data Sheet for Contract No: FLEET/00708

Contract Period	<p>Effective date of Contract: approx. June 2018</p> <p>The Contract expiry date shall be: approx. June 2023</p>
Clause 6 - Notices	<p>Notices served under the Contract can be transmitted by electronic mail</p> <p>Yes <input checked="" type="checkbox"/></p> <p>No <input type="checkbox"/></p> <p>Notices served under the Contract shall be sent to the following address:</p> <p>Authority:</p> <p>Contractor:</p>
Clause 8 – Supply of Contractor Deliverables and Quality Assurance	<p>Is a Deliverable Quality Plan required for this Contract?</p> <p>Yes <input type="checkbox"/></p> <p>No <input checked="" type="checkbox"/></p> <p>If Yes the Deliverable Quality Plan must be set out as defined in AQAP 2105 and delivered to the Authority (Quality) within Business Days of Contract Award. Once agreed by the Authority the Quality Plan shall be incorporated into the Contract. The Contractor shall remain at all times, solely responsible for the accuracy, suitability and applicability of the Deliverable Quality Plan.</p> <p>Other Quality Assurance Requirements:</p> <p>AQAP 2130</p> <p>DEF-STAN 05-61 PART 4</p>
Clause 9 – Supply of Data for Hazardous Contractor Deliverables, Materials and Substances	<p>A completed DEFFORM 68 (Hazardous Articles, Materials or Substance Statement), and if applicable, Safety Data Sheet(s) are to be provided by e-mail with attachments in Adobe PDF or MS WORD format to:</p> <p>a) The Authority's Representative (Commercial)</p> <p>b) DSALand-MovTpt-DGHSIS@mod.uk</p> <p>or: if only a hardcopy is available to:</p> <p>a) The Authority's Representative (Commercial)</p> <p>b) Hazardous Stores Information System (HSIS) Defence Safety Authority (DSA) Movement Transport Safety Regulator (MTSR) Hazel Building Level 1, #H019 MOD Abbey Wood (North) Bristol, BS34 8QW DSA-DLSR-MovTpt-DG HSIS (MULTIUSER)</p> <p>to be Delivered no later than one (1) month prior to the Delivery Date for the Contract Deliverable or by the following date:</p>

<p>Clause 10 – Delivery/Collection</p>	<p>Contract Deliverables are to be:</p> <p>Delivered by the Contractor <input checked="" type="checkbox"/></p> <p>Special Instructions:</p> <p>Collected by the Authority <input type="checkbox"/></p> <p>Special Instructions (including consignor address if different from Contractor's registered address):</p>
<p>Clause 12 – Packaging and Labelling of Contractor Deliverables</p>	<p>Additional packaging requirements:</p>
<p>Clause 13 – Progress Meetings</p>	<p>The Contractor shall be required to attend the following meetings:</p> <p>Type:</p> <p>Frequency:,</p> <p>Location:,</p>
<p>Clause 13 – Progress Reports</p>	<p>The Contractor is required to submit the following Reports:</p> <p>Type:</p> <p>Frequency:</p> <p>Method of Delivery:</p> <p>Delivery Address:</p>

Appendix - Addresses and Other Information

1. Commercial Officer:

Name: Lee Culshaw

Address: Room 303, Building 1/080, Jago Road, HMNB Portsmouth,
PO1 3LUEmail: defcomrclcc-navy13@mod.uk
☎ 0239272763270**2. Project Manager, Equipment Support Manager or PT Leader**
(from whom technical information is available):

Name: Major Graham Watson RM

Address: SO2 N4 | HQ, Commando Training Centre Royal Marines,
Lymington, EXMOUTH, Devon, EX8 5AREmail: NAVYTRGCTCRM-HQSO2N4@mod.uk
☎ 01392 414143**3. Packaging Design Authority:**

Organisation and point of contact:

(where no address is shown please contact the Project Team in Box 2)

**4. (a) Supply/Support Management Branch or Order Manager**
Branch/Name:

(b) U.I.N.

5. Drawings/Specifications are available from:**6. Intentionally Left Blank****7. Quality Assurance Representative:**Commercial staff are reminded that all Quality Assurance requirements
should be listed under the General Contract Conditions.**AQAPS** and **DEF STANs** are available from UK Defence
Standardization, for access to the documents and details of the
helpdesk visit <http://dstan.uwh.diif.r.mil.uk/> [intranet] or
<https://www.dstan.mod.uk/> [extranet, registration needed]**8. Public Accounting Authority:**1. Returns under DEFCON 694 (or SC equivalent) should be sent
to DBS Finance ADMT – Assets In Industry 1, Level 4
Piccadilly Gate, Store Street, Manchester, M1 2WD
☎ 44 (0) 161 233 53972. For all other enquiries contact DES Fin FA-AMET Policy, Level
4 Piccadilly Gate, Store Street, Manchester, M1 2WD
☎ 44 (0) 161 233 5394**9. Consignment Instructions:**

The items are to be consigned as follows:

See Schedule of Requirement

10. Transport. The appropriate Ministry of Defence Transport
Offices are:A. **DSCOM**, DE&S, DSCOM, MoD Abbey Wood, Cedar 3c, Mail
Point 3351, BRISTOL BS34 8JHAir Freight CentreIMPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943
EXPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943Surface Freight CentreIMPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913
8946
EXPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946B. **JSCS**JSCS Helpdesk ☎ 01869 256052 (option 2, then option 3); JSCS Fax
No 01869 256837 www.freightcollection.com**11. The Invoice Paying Authority:**

Ministry of Defence ☎ 0151-242-2000

DBS Finance

Walker House, Exchange Flags Fax: 0151-242-2809

Liverpool, L2 3YL

Website is:<https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-processing>**12. Forms and Documentation are available through*:**Ministry of Defence, Forms and Pubs Commodity Management
PO Box 2, Building C16, C Site

Lower Arcott

Bicester, OX25 1LP (Tel. 01869 256197 Fax: 01869 256824)

Applications via fax or email: [DESLCCLS-
OpsFormsandPubs@mod.uk](mailto:DESLCCLS-OpsFormsandPubs@mod.uk)**NOTES*** Many **DEFCONs** and **DEFFORMs** can be obtained from the
MOD Internet Website [extranet, registration needed]:
<https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm>

Schedule 4 - Contractor's Commercially Sensitive Information Form (i.a.w. Clause 5)

Contract No: FLEET/00708
Description of Contractor's Commercially Sensitive Information:
Cross Reference(s) to location of sensitive information:
Explanation of Sensitivity:
Details of potential harm resulting from disclosure:
Period of Confidence (if applicable):
Contact Details for Transparency / Freedom of Information matters: Name: Position: Address: Telephone Number: Email Address: