FINAL

Tasking Identification

Unique Tasking Order Number

FTS/DE/CCT335 (Insert additional 9 characters Max)

Original FBC FBC6281

Amendment FBC (FATS team supplied)

BCIP 5.6/ MORPHEUS EVO

Version No. & Date Final v1 24/03/2017 Unique Reference Number FATS/D&E/213

UOR

Project / Equipment for which task is in support

FATS Business Case Number

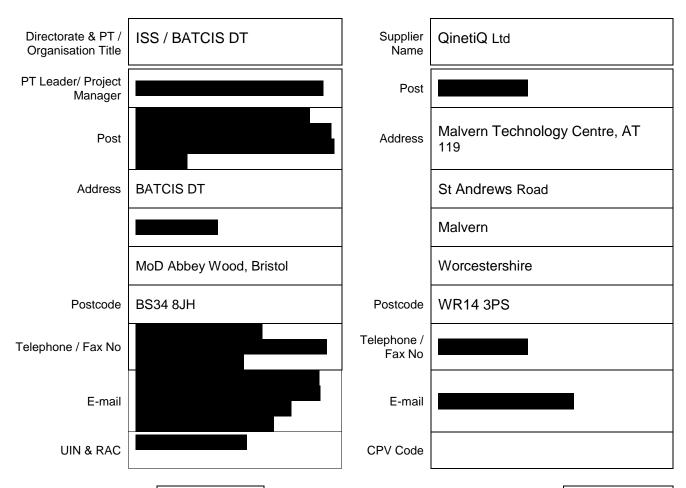
Task Title

Provision of Technical Support for BCIP 5.6 and Morpheus

NCAs Selected (in accordance with MKM search)

NCA Numbers: 4000, 4090, 4320, 4710, 4730, 4960, 5240, 5250, 5300, 5720, 5780, 5820, 5880, 5980, 6000, 6030, 6040

Please refer to FATS Customer Guidance for definition of Work Category



Date Draft Tasking Order Issued

15/02/2017

Deadline for Authority's receipt of Tenderer's response to the Draft Tasking Order

10/03/2017

1. Schedule of Requirements

Brief summary of requirement – expand/delete rows as appropriate (full details appear below in the Statement of Requirement)

| Item No | Description | Firm Price £ (Ex VAT) |
|---------|--|--------------------------|
| 1 | Deliver specialised external technical advice and assistance to the BCIP5.6 and MORPHEUS Projects. | |
| 2 | Travel and Subsistence – Limit of Liability | |
| | Total | |
| | | |
| | | |
| | | |
| | | |
| | | |

STATEMENT OF REQUIREMENT

| Unique Tasking Order Number: | Issue Number & Date: | Unique Reference Number: | | | | | | |
|---|---|---|--|--|--|--|--|--|
| FTS/DE/CCT/335 | Final v1 - 24/03/2017 | FATS/D&E/213 | | | | | | |
| Task Title: PROVISION OF TECHNICAL SUPPORT (BCIP 5.6 and MORPHEUS) | | | | | | | | |
| Brief Description of Task: Provision of advice on system architectures for both projects. | | | | | | | | |
| (please see attached detailed Statemer | nt of Requirement) | | | | | | | |
| Background/Justification: BCIP 5.6 is a set of upgrades and enhal systems. SME knowledge of BCIP 5.5 a any potential issues or risks during the company systems. SME knowledge will also be a key resolutions. Detailed knowledge of these set design phases, is critical to the definition | and previous BCIP releases we development and integration urce in developing the MORF systems, including that of contents and previous systems. | will be greatly beneficial in identifying of BCIP 5.6. PHEUS technical architecture and reporate history of the BOWMAN | | | | | | |
| Activities to be Undertaken: | | | | | | | | |
| Provision of technical reports. | | | | | | | | |
| Provide ana | lysis of the systems. | | | | | | | |
| Provision of technical impact statements | S. | | | | | | | |
| Provsion of analysis of system performa | ance and the related function | al characteristcs. | | | | | | |
| Provision of architectural consideration | in relation to all levels of the | 7-layer ISO architectural model. | | | | | | |
| Provision of an analysis of interface inte | ergration in order to maximise | e advantage for the C4I system. | | | | | | |
| | | | | | | | | |
| Deliverables: See grid below | | | | | | | | |
| | | | | | | | | |

| Serial | Paguirament | | (Tasking Order Form) |
|--------|--|---|----------------------|
| Serial | Requirement | Output | Complete By: |
| Srl 1 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must provide technical support on the development of interoperability integration schemes with DCSA, IA and DII communities. | Provide technical reports to BATCIS on a monthly basis. | Dec 17 |
| Srl 2 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must ensure technical coherency | Provide analysis of the systems and produce technical reports on a monthly basis. | Dec 17 |
| Srl 3 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must provide technical support of the BCIP5.6 system | Provide a technical impact statements on a monthly basis. | Dec 17 |
| Srl 4 | Using their existing knowledge of the MORPHEUS (EvO) sub programme the incumbent must support to the MORPHEUS Chief Engineer: | Produce system performance and functional evaluations/reports on a monthly basis. | End Mar 18 |
| Srl 5 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must provide full architectural consideration to BCIP baseline | Supply BATCIS with an impact statement on a monthly basis. | Dec 17 |
| Srl 6 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must provide an analysis of interface integration to maximise advantage for the systems working with other DTs | Supply BATCIS with an impact statement on a monthly basis. | Dec 17 |

| Srl 7 | Using their existing knowledge of the current baseline BCIP5.5 as well as BCIP5.6 the incumbent must analyse and manage the output from the model | Provide analysis of the output from the model and produce technical reports on a monthly basis. | Dec 17 |
|-------|---|---|--------|

Key Project Indicators (KPIs): N/A

Government Furnished Assets (GFA) (List <u>all</u> GFA applicable to the task in accordance with DEFCON 611 (Edn 07/10)& 694 (Edn 02/12)):

Additional Quality Requirements & Standards:

No specific Quality Management System requirements are defined. This does not relieve the Supplier of providing conforming products under this contract. CoC shall be provided in accordance with DEFCON 627.

No Deliverable Quality Plan is required reference DEFCON 602B 12/06.

Concessions shall be managed in accordance with Def Stan. 05-061 Part 1, Issue 6 - Quality Assurance Procedural Requirements - Concessions.

Any contractor working parties shall be provided in accordance with Def Stan. 05-061 Part 4, Issue 3 - Quality Assurance Procedural Requirements - Contractor Working Parties.

MOD Teams shall assess and record the risk of counterfeit materiel entering the supply chain.

Defence Standard (Def Stan) 05-135, Avoidance of Counterfeit Materiel shall be included in the requirements for all tenders unless it is considered the risk of counterfeit materiel in the equipment being procured is low risk in relation to equipment criticality or safety to life.

(Further information available via the Acquisition System Guidance (ASG) intranet website).

Timescale:

Commencement Date: 3rd April 2017

Delivery Date: 31st March 2018

Project Manager: Robin Holder and Alan Burchett

Signature: R Holder, Alan Burchett Date: 25th January 17

2. Order Conditions

All conditions of the framework shall apply as supplemented by the terms selected below. The two sets of conditions become a binding contract at the time of signature on the Schedule.

| Type of Contract | | | | |
|---|------------|--|--|--|
| Competitive | | | | |
| Competitive Award Criteria & Weightings | | Technical – 60% | | |
| | | Financial – 40% | | |
| | | Commercial – PASS/FAIL | | |
| Reverse Auction used? | | | | |
| Single Tender | | | | |
| General Conditions | | | | |
| DEFCON 624 (Edn 11/13) – Use of Asbestos in Arms, Munitions or War Materials | | DEFCON 603 (Edn 10/04) – Aircraft Integration and Clearance Procedure | | |
| DEFCON 176A (Edn 06/08) – MOD Requirements For Competition In Subcontracting (Non-Competitive Main Contract) | | Additional Conditions A sheet is to be attached detailing any conditions that have been added | | |
| | | | | |
| DEFCON 514A (Failure of Performance under Research and Development Contracts) | | DEFCON 514 (Edn 08/15) – Material Breach | | |
| DEFCON 656A (<i>Edn 08/16</i>) – Termination for Convenience (under £5m) | | DEFCON 656B (<i>Edn 08/16</i>) – Termination for Convenience (Over £5m) | | |
| Curain Indomitive Canditions | | | | |
| Special Indemnity Conditions | | | | |
| DEFCON 661 (Edn 10/06) – War Risk II | ndemnity | | | |
| DEFCON 661A (Edn 05/02) - War Inde | mnity Ris | sk (Alternative Version) | | |
| DEFCON 684 (Edn 01/04) – Limitation u | upon Cla | im in Respect of Aviation Products | | |
| DEFCON 638 (Edn 11/14) – Flights Liab | oility and | Indemnity | | |
| Professional Indemnity Insurance | | | | |
| | | | | |
| Pricing Conditions Required | | | | |
| Firm Priced at Outset (this applies to all ta | asks other | than by exception) | | |

| r | | | | | 9 | , |
|---|---|----------------|--|-----------------------------------|----------|----------------------|
| For single source tasks valued below £5M, the following conditions shall apply: | | | | | | |
| DEFCON 127 (Edn 12/14) – Price Fixing Condition for Contracts of a Lesser Value | | | | | | |
| DEFCON 812 (Edn 12/14) – Single Source Open Book | | | | | | |
| DEFCON 815 (Edn 04/15) – Contract Pricing Statement – Single Source Non-qualifying contracts | | | | | | |
| Exceptionally complete App | v, if other than Firm Priced endix 4) | at Outset (i | nclude additional co | onditions in attac | hment & | |
| Payment Te (Use of P2P a | rms nd Payment on Completion a | are the defau | lt) | | | l |
| Payment and Dues | 2 (Edn 11/16) – I Recovery of Sums attach completed Form | \boxtimes | DEFCON 693 (I Government Pro | • | d | |
| 522A) | · | | | | | |
| | | | Milestone/Stage (see DEFCON 64 | | elow) | |
| , | | | DEFCON 649 (I (applicable to Tas provision has bee milestone/Stage I completion) | sks with deliveral en made for | bles whe | re |
| DEFCON 5J Identifiers | (Edn 11/16) – Unique | \boxtimes | DEFCON 129 ((For Articles of Explosives) | | | |
| Alternative Payment Arrangements Required (Where payment cannot be made through the MOD invoice payment department (e.g. for tasks placed by other Government departments), please provide full details of the payment procedure to be followed, as an attachment to this tasking form) | | | | | | ре 🗆 |
| | | | | | | |
| | t <mark>age Payments</mark> e as appropriate) | | | | | |
| ` ' | | | | 1 | , , | |
| Milestone/ Stage No | Key Do | eliverable | | Due Date | % | Value £k (ex VAT) |
| 1 | Monthly Reports D1,DR2 | 2,DR3 | | 05/07/2017 | | |
| 2 | Monthly Reports DR4,DF | R5,DR6 | | 04/10/2017 | | |
| 3 | Monthly Reports DR7,DR8,DR9 03/01/2018 | | | | | |
| 4 | Travel and Subsistence - | - Limit of Lia | ability | 31/03/2018 | | |
| FINAL (Payment should be subject to a reasonable retention based on % of total cost) | Monthly Reports DR10, DR11, DR12 | | | | | |

Intellectual Property Rights Completion of this section is **mandatory**. Select the appropriate condition(s) by ticking the boxes below after consulting FTS/STS Customer Guidance or with DIPR, if appropriate. In the event that no boxes are ticked in this section (Intellectual Property Rights), all intellectual property generated under the Task shall be subject to the terms of DEFCON 703. **DEFCON** Tick As **Tasking Order Line Item Applicable** (tick as appropriate) If DEFCON 703 does not apply then select either: ΑII The following Item Nos. only (insert below) DEFCON 705 (Edn 11/02) OR: DEFCON 14 (Edn 11/05), ΑII 15 (insert edition that applies) The following Item Nos. only (insert below) 21 (insert edition that applies), 126 (Edn 11/06) & DEFFORM 315 DEFCON 14 (Edn 11/05), ΑII The following Item Nos. only (insert below) 16 (Edn 10/04), 21 (insert edition that applies) & DEFFORM 315 ΑII DEFCON 14 (Edn 11/05), The following Item Nos. only (insert below) 90 (Edn 11/06) & 126 (Edn 11/06) ΑII DEFCON 14 (Edn 11/05), The following Item Nos. only (insert below) 91 (Edn 11/06) & 126 (Edn 11/06) Other, as specified in a ΑII special IPR condition to be The following Item Nos. only (insert below) applied to the Tasking Order No intellectual property conditions apply (refer to DIPR before ticking this box). **Issue of Government Stores** DEFCON 23 (Edn 08/09)* - Special Jigs, Tooling and Test Equipment

Controlled Information

Issue of Controlled Information (subject Condition 50 of Schedule 1)

(if ticked then list Controlled Information and attach list to Tasking Form)

| Payment of Customs Duty – select on | e box o | only | |
|--|-------------------|---|-------------|
| DEFCON 619A (Edn 09/97) – Customs Duty Drawback | | Issue of Certificate in accordance with EU (Council) Regulation 150/2003 | |
| | | | |
| Progress Reports | | | |
| If ticked, progress reports must utilise the current version of DRRS Format Standar Scientific and Technical Reports Prepare the United Kingdom Ministry of Defence. | rds for ed for | DEFCON 642 (Edn 06/97) – Progress Meetings Frequency required | |
| Brief Description | | | |
| Transport – select one box only | | | |
| DEFCON 621A (Edn 06/97) – | | DEFCON 621B (Edn 10/04) – Transport (if | |
| Transport (if the Authority is responsible for transport) | | the Contractor is responsible for transport) | |
| Liquidated Damages applicable? Tick | box if | "Yes" | |
| (Refer to Condition 46 of Schedule 1) | | | |
| Task Item 1 £ | per d | ay/week/month up to a maximum of £ | |
| Task Item 2 £ | per d | ay/week/month up to a maximum of £ | |
| Task Item 3 £ | per d | ay/week/month up to a maximum of £ | |
| Task Item 4 £ | per d | ay/week/month up to a maximum of £ | |
| Task Item 5 £ | per d | ay/week/month up to a maximum of £ | |
| Force Majeure | | | |
| Maximum period of extension of time in t | the case | e of a Force Majeure Event | |
| Quality Assurance Conditions | | | |
| - | the w | ork to be carried out, the Contractor shall | meet the |
| AQAP 2110 – NATO Quality Assurance Production | Require | ements for Design, Development and | |
| Deliverable Quality Plan requirements | 6 | | |
| DEFCON 602A (Edn 12/06) – Quality Assurance with Quality Plan | | DEFCON 602B (Edn 12/06) – Quality Assurance without Quality Plan | \boxtimes |
| AQAP 2105 – NATO Requirements for D | Deliverin | ng Quality Plans | |
| Software Quality Assurance requirement | ents | | |
| AQAP 2210 – NATO Supplementary Sof 2110 | ftware C | Quality Assurance Requirements to AQAP | |
| Air Environment Quality Assurance re | equiren | nents | |
| Def. Stan. 05-100 – Ministry of Defence Authorised Flight and Ground Running (I issued aircraft is a requirement of the Ta | Mandat | ements for Certification of Aircraft for ory where flying and/or ground running of | |
| Relevant MAA Regulatory Publications (| • | chment for details) | |
| Additional Quality Requirements (See attachment for details) | | | |

| Warranty | | | Schedule 3 (Tasking Order Form) | |
|--|----------------------|-----------|--|-------------|
| Warranty Express Warranty (See attadetails) | achment for | Wa lav | arranty – remedies implied by general v | |
| Security | | | | |
| Requirements. | | | Reportable Official Sensitive Security | \boxtimes |
| Security Aspects Letter is i | n place for this req | uirem | ent | |
| 3. Price | | | | |
| TOTAL CONTR | RACT PRICE | | TYPE OF PRICING | |
| | | | Firm Price | |
| 4. Authority Tasking Orde | er Commercial Of | ficer | Authorisation | |
| Name | | | | |
| Position | | | | |
| Signature | | | | |
| Date | | Tel | lephone Number | |
| 5. Acknowledgement by su | upplier | | | |
| Name | | | | |
| Position | | | | |
| Signature | | | | |
| Date | | Tele | ephone Number | |
| 6. Record of Authorised (| Changes | | | |
| CHANGE ISSUE NUMBER | DATE OF ISSU | JE | COMMENTS / REASON FOR CHAN | IGE |
| | | | | |
| | | | | |
| | | | | |

7. Final Administration

Where the output of any research or study is a Technical Report, the Report is to be completed in accordance with the current version of the ATHENA Defence Research Reports Specification - 'Format Standards for Scientific and Technical Reports Prepared for the United Kingdom Ministry of Defence'. MOD Customers may obtain this document via the www.dstl. gov.uk. **The**Contractor shall send a copy of the report on CD ROM in unlocked pdf.format to:

Dstl Knowledge & Information Services, Bldg 247, Dstl Porton Down, Salisbury Wilts SP4 0JQ. Tel: 01980 613971

Any staff on DII can search the ATHENA system via the online science gateway to ascertain if particular research or a study already exists. Access can be requested utilising a password (supplied) via this link: http://osg.dstl.r.mil.uk/SignIn/SignIn.aspx/

On receipt of the order acknowledgement from the Contractor, the Authority's Commercial Manager (who placed the task) must send a copy of the acknowledged final tasking order form together with a completed DEFFORM 57 AND DEFFORM 111 (Edn 08/14) to:

DGFM-FMSSC
Walker House
Exchange Flags
Liverpool

A copy of the acknowledged final tasking order form must be sent by the **Authority's Commercial Manager (who placed the task)** and by the Contractor electronically to the FATS team at the following address:

defcomrclcc-fatscases@mod.uk

However, if this is not possible, please send a hard copy to:

Def Comrcl CC-TechSpt1c Maple Level 0 #2031 MOD Abbey Wood South Bristol BS34 8JH

L2 3YL

Appendix 1 to Schedule 3 (Tasking Order Form) - DEFFORM 111

DEFFORM 111 (Edn 08/14) Appendix - Addresses and Other Information 1. Commercial Officer 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 5397 2. For all other enquiries contact DES Fin FA-AMET Policy, Level 4 Piccadilly Gate, Store Street, Manchester, M1 2WD **2** 44 (0) 161 233 5394 2. Project Manager, Equipment Support Manager or PT Leader 9. Consignment Instructions (from whom technical information is available) The items are to be consigned as follows: 10. Transport. The appropriate Ministry of Defence Transport 3. Packaging Design Authority Offices are: A. DSCOM, DE&S, DSCOM, MoD Abbey Wood, Cedar 3c, Mail Point 3351, BRISTOL BS34 8JH Air Freight Centre IMPORTS 2 030 679 81113 / 81114 Fax 0117 913 8943 EXPORTS 2 030 679 81113 / 81114 Fax 0117 913 8943 Surface Freight Centre (Where no address is shown please contact the Project Team in Box 2) IMPORTS 2 030 679 81129 / 81133 / 81138 Fax 0117 913 8946 EXPORTS 2 030 679 81129 / 81133 / 81138 Fax 0117 913 8946 B. <u>JSCS</u> 4. (a) Supply/Support Management Branch or Order Manager: Tel No: JSCS Helpdesk No. 01869 256052 (select option 2, then option (b) U.I.N. JSCS Fax No. 01869 256837 www.freightcollection.com 5. Drawings/Specifications are available from 11. The Invoice Paying Authority (see Note 1) **2** 0151-242-2000 Ministry of Defence **DBS** Finance Walker House, Exchange Flags Fax: 0151-242-2809 Liverpool, L2 3YL Website is: https://www.gov.uk/Government/organisations/ministry-ofdefence/about/procurement#invoice-processing 6. For contracts containing DEFCON 5, mauve Copies of MOD 12. Forms and Documentation are available through *: Form 640 are to be sent to Ministry of Defence, Forms and Pubs Commodity Management PO Box 2, Building C16, C Site Lower Arncott

(where no address is shown the mauve copy should be destroyed)

Quality Assurance Representative:

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

1. Forms. Hard copies, including MOD Form 640 are available

Applications via fax or email: DESLCSLS-

OpsFormsandPubs@mod.uk

NOTES

| Commercial staff are reminded that all Quality Assurance requirer 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 https://dstan.uwh.diif.r.mil.uk/ [intranet] or https://www.dstan.mod.uk/ [extranet, registration needed]. | from address in Box 12., All other invoicing forms e.g. AG Forms 169 and 173, are available from the website address shown at Box 11. 2.* Many DEFCONs and DEFFORMs can be obtained from the MOD Internet Site: https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm |
|--|---|
| For Official Use Only Recoverable YES | O Finance Branch |
| Issue of Government Property YES | O RAC / LPC No / Project No |
| VAT Contractor – Country of Origin (delete those not applicable) | Requisition No |
| UK Overseas (non-EC Country) Overseas (EC Cou | ntry) Project Management/ Production branch reference |
| If EC specify country: | Place of manufacture |
| Outside the scope Item Nos | Place of packaging |
| Exempt Item Nos Item Item Nos Item Item Nos Item Item Nos Item Item Item Item Nos Item Item Item Item Item Item Item Item | Contractor's Tel No |
| (where a contract is with an overseas contractor JSP 916 shoul | d be consulted) |

Appendix 2 to Schedule 3 (Confidentiality Agreement)

The provisions of this Clause are supplemental to DEFCON 531

- 1 Both DEFCON 531 and the provisions of this Clause apply to:
 - (A) This Tasking Order;
 - (B) Any Information disclosed by either party prior to the issue of a draft Tasking Order and in contemplation of Work being placed by the Authority under a Tasking Order; and
 - (C) Any Task placed under this Agreement, provided that Information provided to a party for the purpose of Tendering for a Tasking Order shall only be used for that Tendering purpose, and Information provided to a party for performing a Task placed on it under this Agreement shall only be used for the performance of that Task.
- 2 Subject to its requirements of continued access to Information necessary to exercise its rights of disclosure and use hereunder including under any Tasking Order, and to the obligations set out herein in respect of any Controlled Information (Definition in Clause 43 Schedule 1), the recipient of any Information shall:
 - (A) Upon the expiry or termination of the Agreement; or
 - (B) Upon the expiry or termination of any Tasking Order (for the purposes of which Information is disclosed); or
 - (C) If the Authority decides not to proceed with the issue of a Tasking Order (for the purposes of which Information is disclosed),

in accordance with any reasonable directions given and/or a reasonable request made by the other party promptly:

- (1) Return to the other party the Information and all copies thereof; or
- (2) Take such other measures in respect of the Information and all copies thereof as may be required elsewhere in the Tasking Order.

3 The provisions of DEFCON 531 and of this Clause shall survive the expiry or termination of the Agreement or any Tasking Order in accordance with 2(A) or 2(B) or the decision not to proceed in accordance with 2(C).

Appendix 3 to Schedule 3 (Price Summary)

| to an ITT for the requirement captured on the above Draft Tasking Order Form. | | | | | | |
|---|--------------------------------|---|---------------------------------------|--|-------|--|
| 1. To: | | | 2. From: | | | |
| Date of submis | sion: | | | | | |
| In response to reference FTS/ | your request for a quo DE / | otation | | Dated | | |
| *The work can | be undertaken and o | ur detailed re | esponse is attac | ched. | | |
| *We are unable | e to provide the resou | rces/delivera | ables identified o | on this occasion. | | |
| (* Check box as | s appropriate) | | | | | |
| Signed: Date: | | | Name | : (Block Capitals) | | |
| 2. Task t | itle): | | | | | |
| 3. Uniqu | e Reference Number | : | | | | |
| 4. Start [| Date: | | Com | npletion Date: | | |
| | | | | | | |
| 5a. Quotation Broad Capability Area No. | Grade | Daily rate quoted at ITT | Daily rate quoted for this task | Reduction on No of original ITT Hours rate | Total | |
| Broad Capability | | quoted at | quoted for | original ITT Hours | Total | |
| Broad Capability Area No. | Motor Estimated expenditu | Rail Mileage Air Sea are on: modation Meals | quoted for this task | original ITT Hours rate Number of | | |

| 5d.Other Costs | Sub-contractor Price Sub-Contractor Details | |
|-------------------|--|-------------|
| | Materials | |
| | Other (Please provide details below) Description | Cost |
| | | |
| | | |
| | | |
| | Total Price | (excl. VAT) |
| | | |

Appendix 4 to Schedule 3 (Contract Pricing Statement)

This is now DEFFORM 815, which is available on request from Def Comrcl CC-FATS Cases

Appendix 5 to Schedule 3 (Montreal Protocol Substances)

CFCs - Production of controlled CFCs has stopped.

```
CFC-11(trichlorofluoromethane)
CFC-211
CFC-12(dichlorodifluoromethane)
CFC-212
CFC-13
CFC-111
CFC-111
CFC-112
CFC-112
CFC-113 (trichlorotrifluoroethane)
CFC-215
CFC-114 (dichlorotetrafluoroethane)
CFC-217
CFC-115 (chloropentafluoroethane)
```

The above substances are also used in blends: e.g. CFC-500 (CFC-12/HFC-152a)

CFC-502 (CFC-115/HCFC-22).

Halons -Production of controlled Halons has stopped.Halon-1211(bromochlorodifluromethane – BFC)Halon-1301(bromotrifluoromethane – BTM)

Halon-2402

| HBFCs - | Production has sto | pped. | |
|--|---|--|---|
| CHFBr ₂ | $C_2 H_2 F_2 Br_2$ | C ₃ HF ₄ Br ₃ | $C_3 H_3 F_2 Br_3$ |
| CHF ₂ Br | C ₂ H ₂ F ₃ Br | C 3HF5 Br2 | $C_3 H_3 F_3 Br_2$ |
| CH ₂ FBr | C ₂ H ₃ FBr ₂ | C ₃ HF ₆ Br | $C_3 H_3 F_4 Br$ |
| | $C_2 H_3 F_2 Br$ | C ₃ H ₂ FBr ₅ | C ₃ H ₄ FBr ₃ |
| C ₂ HFBr ₄ | C ₂ H ₄ FBr | $C_3 H_2 F_2 Br_4$ | $C_3 H_4 F_2 Br_2$ |
| C ₂ HF ₂ Br ₃ | | $C_3 H_2 F_3 Br_3$ | C ₃ H ₄ F ₃ Br |
| C ₂ HF ₃ Br ₂ | C ₃ HFBr ₆ | $C_3 H_2 F_4 Br_2$ | C ₃ H ₅ FBr ₂ |
| C ₂ HF ₄ Br | C ₃ HF ₂ Br ₅ | $C_3 H_2 F_5 Br$ | $C_3 H_5 F_2 Br$ |
| C ₂ H ₂ FBr ₃ | C ₃ HF ₃ Br ₄ | C ₃ H ₃ FBr ₄ | C ₃ H ₆ FBr |

HCFCs - Production to be run down and phased out by 2015. Certain use controls apply.

| HCFC-21 | HCFC-141 | HCFC-225ca | HCFC-243 |
|----------|-----------|------------|----------|
| HCFC-22 | HCFC-141b | HCFC-225cb | HCFC-244 |
| HCFC-31 | HCFC-142 | HCFC-226 | HCFC-251 |
| HCFC-121 | HCFC-142b | HCFC-231 | HCFC-252 |
| HCFC-122 | HCFC-151 | HCFC-232 | HCFC-253 |
| HCFC-123 | HCFC-221 | HCFC-233 | HCFC-261 |
| HCFC-124 | HCFC-222 | HCFC-234 | HCFC-262 |
| HCFC-131 | HCFC-223 | HCFC-235 | HCFC-271 |
| HCFC-132 | HCFC-224 | HCFC-241 | |
| HCFC-133 | HCFC-225 | HCFC-242 | |

CARBON TETRACHLORIDE (CCI $_4$) – Production has stopped. 1,1,1-TRICHLOROETHANE (C $_2$ H $_3$ CI $_3$) – Production has stopped. METHYL BROMIDE (CH $_3$ Br) – Production limits apply.

Schedule 4 (Pricing Matrix)

(Schedule 4 FATS/D&E Day Rates are as per the supplier