

Schedule 3 (Tasking Order Form) FINAL

Tasking Identification

Unique Tasking Order Number	FTSD/HELSS0046 <i>(Insert additional 9 characters Max)</i>	Version No. & Date	Version 2 13 April 2016
FATS Business Case Number	Original FBC5500 Amendment FBC <i>(FATS team supplied)</i>	Unique Reference Number	
Project / Equipment for which task is in support	Merlin Helicopter	UOR	No
Task Title	MERLIN ALL Mks STRUCTURAL USAGE VALIDATION PROGRAMME DEFINITION STUDY and REPORT		
NCAs Selected (in accordance with MKM search)	NCA Numbers: 2850, 2880, 2901, 2930 & 2932		

Please refer to FATS Customer Guidance for definition of Work Category

Directorate & PT / Organisation Title	Merlin Project Team	Supplier Name	Aviation Requirements Ltd
PT Leader/ Project Manager	Simon Miln	Post	
Post	DES Merlin-SI Mgr	Address	Suite 2, York House,
Address	DE&S, Merlin Project Team, Century House, Building 100, Augusta Westland Ltd		Colharbour Business Park
	Lysander Road		Sherborne
	Yeovil		Dorset
Postcode	BA20 2YB	Postcode	DT9 4JW
Telephone / Fax No	01935 70 5499	Telephone / Fax No	01935 813220
E-mail	DESMerlin-SIMgr@mod.uk	E-mail	jason.becker@aviationrequirements.co.uk
UIN & RAC	D1948H	CPV Code	71356000
Date Draft Tasking Order Issued	27/01/2016	Deadline for Authority's receipt of Tenderer's response to the Draft Tasking Order	17/02/16

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.	<p>Identify, review and analyse existing Merlin structural design, substantiation data and associated information including but not limited to the following:</p> <ul style="list-style-type: none"> • *Strength / fatigue substantiation methodology (to determine inherent conservatism) • *Load survey or load database (to understand what has been tested under which conditions) • *Individual Critical component review (which conditions are most damaging to each) • *Previous ODR programme reports and outputs • *Existing assumed DUS documents • Existing / draft future SOI & SIOU documents <p>(Note* DO will be tasked to provide information and support to this work)</p>	
2.	<p>a. *Identify, review and analyse existing Merlin integrated monitoring and recording systems to determine their specification and capabilities</p> <p>b. Assess available FDR (Flight Data recording) parameters versus required FDR parameters necessary to validate operating usage including detailed capture methods and frequencies.</p> <p>c. Identify any existing integrated monitoring systems' capability shortfalls, appropriate potential enhancements and / or supplementary data collection solutions to achieve required FDR parameters.</p> <p>(Note* DO will be tasked to supply supporting information)</p>	
3	In parallel with ID1 and 2 identify, investigate and where possible draw on other non-traditional ODR programmes such as Puma and Wildcat with a view to minimising or negating the use non-integrated specialised instrumented flying of small fleet samples. The ultimate goal would be semi/continuous whole fleet(s) of individual aircraft data acquisition.	
4.	Develop a proposed definition for a tailored innovative Merlin all Mks operating usage validation programme which meets the intent of RA5720(4) ODR requirements (for acceptance by MAA as an AAMC) based on and supported by the body of existing design and usage monitoring information gathered and analysed during work at IDs 1 , 2 & 3.	
5.	Provision of a comprehensive peer reviewed technical report based on innovative RW usage validation methodology providing the necessary foundation of knowledge and recommendations to the Merlin TAA to guide the scope and management of a cost efficient future programme to validate structural operating usage.	

6.	Deliverable 1 – Merlin all Mks Operating Usage Validation Programme (AUVP) Definition Study – Initiation Presentation to Stakeholders of anticipated forward plan	
	Deliverable 2 – Four interim progression meetings and written reports 30/06/16; 12/08/16 (including brief to Integrity Working Group Meeting) 23/09/16 and 04/11/16.	
	Deliverable 3 - Merlin all Mks AVUP Definition Study – Stakeholders Meeting, Presentation of Findings, Conclusions and Feasibility Recommendations	
	Deliverable 4 (Final) - Merlin all Mks AVUP Definition Study (on or before 18/01/17) consisting of: a. Final Customer Report. b. Merlin Operating Usage Foundation Body of Information Package. c. Stakeholder endorsed Statement of Requirements (SoR) for the accomplishment of Merlin Future Operating Usage Validation Programme. d. A tailored structured plan for achievement of an MAA RA compliant Merlin all Mks AVUP. e. Merlin all Mks AVUP Definition Study Stakeholder Closure and final briefing meeting	
	Total:	£99,936.00
Support Info	Contract award is subject to AW consent to / for proposed supplier's access to and handling of proprietary Design and other information. All access to DO provisioned information will be on-site at AgustaWestland Yeovil accompanied by an MOD representative. Provision will be made to provide office accommodation and facilities to contracted staff in MOD Building 100 on the AW site in Yeovil subject to satisfactory security clearances etc.	

STATEMENT OF REQUIREMENT

Unique Tasking Order Number: FTSD/HELSS0046	Issue Number & Date: Issue 02 Dated: 13 th April 2016 (ITT)	Unique Reference Number:
Task Title: PROVISION OF MERLIN STRUCTURAL USAGE VALIDATION PROGRAMME DEFINITION STUDY.		
Brief Description of Task: A comprehensive independent review of existing Merlin structural design / substantiation data and integrated monitoring capabilities with the aim of establishing a solid foundation knowledge of the type design to be owned by the MPT. Analyse gathered information to determine feasibility of and use to define bespoke future operating usage validation programme plan.		
Background/Justification: <ol style="list-style-type: none"> 1. The regulatory requirements for through-life integrity management of aircraft structures are defined in MAA RA5720 (Structural Integrity Management Issue 2). A key mandatory programme within this regulatory framework is the conduct of an Operational Data Recording (ODR) programme. The Merlin Project Team (MPT) undertook a comprehensive ODR programme on Merlin Mks 1 and 3 which concluded in 2011 and 2012 respectively. Whilst successful, these programmes were complex, protracted and costly. 2. Accordingly, the intent of MAA MASAAG Paper 120 (currently in draft) is to develop a cost-effective generic approach to Rotary Wing usage validation and contains improved guidance material concerned with meeting the original intent of RA5720. MASAAG 120 proposes that existing aircraft data recording systems are exploited to determine the usage and that damage is assessed through the correlation with existing qualification data. 3. The methodology described in MASAAG 120 places particular emphasis on the programme technical definition phase and recommends that this activity should review the level of risk associated with usage. This can only be achieved through a thorough assessment of the existing helicopter design and qualification data, enabling more intelligent and targeted use of other sources of information. The effectiveness of this approach has been demonstrated on the Puma HC Mk2, which is proceeding with a usage validation programme that is appropriate to the degree of risk which can be attributed to usage. 4. It is essential that the approach to undertaking such a usage validation programme is carefully defined and planned with the assistance of suitable subject matter expertise to ensure that clear, appropriate, risk-aligned technical aims are established and can be achieved within a cost-effective work schedule. 		
Requirements: <ol style="list-style-type: none"> 5. The aim of the Task is to define an effective and efficient usage validation programme for all Merlin Mks, supported by the MPT and platform DO. There will be follow-on tasks dependent on the outcome of this first phase. 6. The Task will involve a comprehensive independent review of existing Merlin structural design, substantiation data and assessment of integrated data monitoring capabilities with the aim of establishing solid foundation knowledge of the type design to be retained by the MPT to inform all future usage validation activity and related programmes. In turn, this task will also inform the scope of work required for further analysis or measurement and identify any monitoring system capability enhancement(s) and / or alternative sources of data collection necessary to achieve the defined objectives. 7. Requirement detail as above in Para 1 Schedule of requirements ID 1 – 5 incl 		
Deliverables and Timescales: As detailed above in Para 1 Schedule of requirements ID 6.		

Technical Expertise

8. This task requires technical expertise in the definition and development of usage validation programmes across a range of RW platforms. Evidence of experience in the successful application of innovative RW usage validation methodology is considered essential to the satisfactory outcome of this task.

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

- a. Access to Proprietary DO design information and data (subject to prior DO authorisation of winning bidder) and acceptance of non-disclosure agreement.
- b. DII(f) access will be required to review RESTRICTED and Proprietary Documentation and information. Please note that in accordance with the DE&S Desk Policy, availability of a desk cannot be guaranteed. Every effort will be made to allocate a desk as and when required, but this must be requested in advance via the Desk Booking System in place to find and allocate an available desk.

Additional Quality Requirements & Standards:

DEF STAN 0970 Part 1 Section 3 Leaflet 38

Timescale: 9 Months

Commencement Date: 25th April 2016

Delivery Date: 30th Jan 2017 (Final), see SoR Id 6 for interim deliverables

Project Manager: DES Merlin-SIMgr

Signature: *Original Signed*

Date: 13th April 2016

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	<input checked="" type="checkbox"/> See Attached Selection Criteria at Annex B
Reverse Auction used?	<input type="checkbox"/>
Single Source	<input type="checkbox"/>

General Conditions			
DEFCON 624 (Edn 04/10) – Use of Asbestos in Arms, Munitions or War Materials	<input type="checkbox"/>	DEFCON 603 (Edn 10/04) – Aircraft Integration and Clearance Procedure	<input type="checkbox"/>
DEFCON 176A (Edn 06/08) - MOD Requirements For Competition In Subcontracting (Non-Competitive Main Contract)	<input type="checkbox"/>	Additional Conditions <i>A sheet is to be attached detailing any conditions that have been added</i>	<input type="checkbox"/>
<u>Choose one of the following:</u>			
DEFCON 92 (Edn 08/90) – Failure of Performance	<input type="checkbox"/>	DEFCON 614 (Edn 09/03) - Default	<input checked="" type="checkbox"/>
Special Indemnity Conditions			
DEFCON 661 (Edn 10/06) – War Risk Indemnity			<input type="checkbox"/>
DEFCON 661A (Edn 05/02) – War Indemnity Risk (Alternative Version)			<input type="checkbox"/>
DEFCON 684 (Edn 01/04) – Limitation upon Claim in Respect of Aviation Products			<input type="checkbox"/>
DEFCON 638 (Edn 12/08) – Flights Liability and Indemnity			<input type="checkbox"/>
Pricing Conditions Required			
Firm Priced at Outset (<i>this applies to all tasks other than by exception</i>)			<input checked="" type="checkbox"/>
Exceptionally, if other than Firm Priced at Outset (<i>include additional conditions in attachment & complete Appendix 4</i>)			<input type="checkbox"/>
Payment Terms (<i>Use of P2P and Payment on Completion are the default</i>)			

PROTECT – COMMERCIAL (when completed)

Schedule 3
(Tasking Order Form)

DEFCON 522 (Edn 07/09) – Payment (If applicable attach completed Form 522A)	<input type="checkbox"/>	DEFCON 693 (Edn 04/06) – Government Procurement Card	<input type="checkbox"/>	
DEFCON 643 (Edn 07/04) – Price Fixing (for use in Max price tasks above £250k)	<input type="checkbox"/>	Milestone/Stage Payments (see DEFCON 649 (Edn 07/99) below)	<input type="checkbox"/>	
DEFCON 127 (Edn 10/04) – Price Fixing Condition for Contracts of Lesser Value (for use in Max price tasks below £250k)	<input checked="" type="checkbox"/>	DEFCON 649 (Edn 07/99) – Vesting (applicable to Tasks with deliverables where provision has been made for milestone/Stage payments in advance of completion)	<input checked="" type="checkbox"/>	
DEFCON 5 (Edn 07/99) – MOD Form 640 (Advice & Inspection Note)	<input type="checkbox"/>	DEFCON 129 (Edn 07/08) – Packaging (For Articles other than Ammunition & Explosives)	<input type="checkbox"/>	
Alternative Payment Arrangements Required (Where payment cannot be made through the MOD invoice payment department (eg 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)			<input type="checkbox"/>	
Milestone/Stage Payments (Expand table as appropriate)				
Milestone/Stage No	Key Deliverable	Due Date	%	Value £k (ex VAT)
1	Merlin all Mks Operating Usage Validation Programme (AUV) Definition Study – Initiation Presentation to Stakeholders of anticipated forward plan	11/05/2016	<input type="checkbox"/>	<input type="checkbox"/>
2	Four interim progression / briefing meetings and reports: 30/06/16, 12/08/16 (including brief at Merlin Integrity Working Group Meeting); 23/09/16 and 04/11/16.	As per the dates in key deliverable 2	<input type="checkbox"/>	<input type="checkbox"/>
3	Merlin all Mks AVUP Definition Study – Stakeholders Meeting, Presentation of Findings, Conclusions and Feasibility Recommendations	30/11/16	<input type="checkbox"/>	<input type="checkbox"/>
4	<p>Merlin all Mks AVUP Definition Study (by 2016) consisting of:</p> <p>a. Final Customer Report.</p> <p>b. Merlin Operating Usage Foundation Body of Information Package.</p> <p>c. Stakeholder endorsed Statement of Requirements (SoR) for the accomplishment of Merlin Future Operating Usage Validation Programme.</p> <p>d. A tailored structured plan for achievement of an MAA RA compliant Merlin all Mks AVUP.</p> <p>e. Merlin all Mks AVUP Definition Study Stakeholder Closure and final briefing meeting</p> <p>Satisfactory delivery of all work under the contract</p>	All on or before 30/01/17	<input type="checkbox"/>	<input type="checkbox"/>
FINAL (Payment should be subject to a reasonable retention based on % of total cost)				

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 Applicable	Tasking Order Line Item (tick as appropriate)
<u>If DEFCON 703 does not apply then select either:</u>			
DEFCON 705 (Edn 11/02)	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
<u>OR:</u>			
DEFCON 14 (Edn 11/05), 15 (insert edition that applies) 21 (insert edition that applies), 126 (Edn 11/06) & DEFFORM 315	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below) DEFCON 21 Edn 10/04
DEFCON 14 (Edn 11/05), 16 (Edn 10/04), 21 (insert edition that applies) & DEFFORM 315	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
DEFCON 14 (Edn 11/05), 90 (Edn 11/06) & 126 (Edn 11/06)	<input type="checkbox"/>	All <input type="checkbox"/>	<input checked="" type="checkbox"/> The following Item Nos. only (insert below) DEFCON 90 Edn 11/06
DEFCON 14 (Edn 11/05), 91 (Edn 11/06) & 126 (Edn 11/06)	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
Other, as specified in a special IPR condition to be applied to the Tasking Order	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
No intellectual property conditions apply (refer to DIPR before ticking this box).			<input type="checkbox"/>

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 one box onlyDEFCON 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 Standards for Scientific and Technical Reports Prepared for the United Kingdom Ministry of Defence.	<input checked="" type="checkbox"/>	DEFCON 642 (Edn 06/97) – Progress Meetings	<input checked="" type="checkbox"/>	Frequency required	Monthly
Brief Description					
DEFCON 619A (Edn 09/97) - Customs Duty Drawback	<input type="checkbox"/>	Issue of Certificate in accordance with EU (Council) Regulation 150/2003	<input type="checkbox"/>		

Transport – select one box only			
DEFCON 621A (Edn 06/97) – Transport (if the Authority is responsible for transport)	<input type="checkbox"/>	DEFCON 621B (Edn 10/04) – Transport (if the Contractor is responsible for transport)	<input type="checkbox"/>

Liquidated Damages applicable? (Refer to Condition 46 of Schedule 1)			<input type="checkbox"/>
Task Item 1	£	per day/week/month up to a maximum of £	
Task Item 2	£	per day/week/month up to a maximum of £	
Task Item 3	£	per day/week/month up to a maximum of £	
Task Item 4	£	per day/week/month up to a maximum of £	
Task Item 5	£	per day/week/month up to a maximum of £	
Force Majeure Maximum period of extension of time in the case of a Force Majeure Event			

Quality Assurance Conditions According to the product or scope of the work to be carried out, the Contractor shall meet the requirements of:			
AQAP 2110 – NATO Quality Assurance Requirements for Design, Development and Production			<input type="checkbox"/>
Deliverable Quality Plan requirements			
DEFCON 602A (Edn 12/06) - Quality Assurance with Quality Plan	<input type="checkbox"/>	DEFCON 602B (Edn 12/06) - Quality Assurance without Quality Plan	<input type="checkbox"/>
AQAP 2105 – NATO Requirements for Delivering Quality Plans			<input type="checkbox"/>
Software Quality Assurance requirements			
AQAP 2210 – NATO Supplementary Software Quality Assurance Requirements to AQAP 2110			<input type="checkbox"/>
Air Environment Quality Assurance requirements			
Def. Stan. 05-100 – Ministry of Defence Requirements for Certification of Aircraft for Authorised Flight and Ground Running (Mandatory where flying and/or ground running of issued aircraft is a requirement of the Task)			<input type="checkbox"/>


Relevant MAA Regulatory Publications (<i>See attachment for details</i>)	<input type="checkbox"/>
Additional Quality Requirements (<i>See Annex C for details</i>)	<input type="checkbox"/>
Warranty	
Express Warranty (<i>See attachment for details</i>)	<input type="checkbox"/> Warranty – remedies implied by general law

Security	
DEFCON 659 (<i>Edn 06/09</i>) – Security Measures (<i>Applies to all contracts classified 'Confidential' or above to be placed with a UK Contractor – attach Security Aspects Letter if appropriate</i>)	<input type="checkbox"/>

3. Price

TOTAL CONTRACT PRICE	TYPE OF PRICING
£99,936.00	Firm

4. Authority Tasking Order Commercial Officer Authorisation

Name	Susan Burns		
Position	Des Hels-Comrci- Cat-Proc10		
Signature			
Date	13 th April 2016	Telephone Number	01935 70 5420

5. Acknowledgement by supplier

Name			
Position			
Signature			
Date		Telephone Number	

6. Record of Authorised Changes

CHANGE ISSUE NUMBER	DATE OF ISSUE	COMMENTS / REASON FOR CHANGE

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 07/12) to:

DGFM-FMSSC
Walker House
Exchange Flags
Liverpool
L2 3YL

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

DESComrcICC-FATS1b@mod.uk

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

DES Comrc CC/FATS 1b
Poplar Level 2 #2218
MOD Abbey Wood South
Bristol
BS34 8JH

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

DEFFORM 111
(Edn 07/12)

Appendix - Addresses and Other Information

1. Commercial Officer

Susan Burns
DESHELS Comrcl CatPoc 10
Building 100, Century House
Agusta Westland
Lysander Road
Yeovil
Somerset BA20 2YB
Email:
DESHels-Comrcl-CatProc-10@mod.uk

2. Project Manager, Equipment Support Manager or PT Leader (from whom technical information is available)

Simon Miln
Merlin PT
Building 100, Century House
Agusta Westland
Lysander Road
Yeovil
Somerset BA20 2YB
Email: DesMerlin-MechSIMgr@mod.uk

3. Packaging Approving Authority

N/A

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

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

Tel No: N/A
(b) U.I.N.

5. Drawings/Specifications are available from

As required see SoR

6. For contracts containing DEFCON 5, mauve Copies of MOD Form 640 are to be sent to

N/A

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

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 Stan 1, Kentigern House, 65 Brown St, Glasgow, G2 8EX. A self addressed label should be sent with each application. Website is: www.dstan.mod.uk

8. Public Accounting Authority

1. Returns under DEFCON 694 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
☎ 44 (0) 161 233 5394

9. Consignment Instructions

The items are to be consigned as follows:

N/A

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 8JH

Air Freight Centre

IMPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943

EXPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943

Surface Freight Centre

IMPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946

EXPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946

B. JSCS

JSCS Helpdesk No. 01869 256052 (select option 2, then option 3)

JSCS Fax No. 01869 256837

www.freightcollection.com

11. The Invoice Paying Authority (see Note 1)

Ministry of Defence ☎ 0151-242-2000

DBS Finance

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

Liverpool, L2 3YL

Website is:

www.mod.uk/DBSFinance

12. Forms and Documentation are available through *:

Ministry of Defence, Forms and Pubs Commodity Management
PO Box 2, Building C16, C Site

Lower Arncott

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

Applications via fax or email: DESLCSLS-

OpsFormsandPubs@mod.uk

NOTES

1. **Forms.** Hard copies, including MOD Form 640 are available 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 also be obtained from the MOD Internet Website;

<https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm>

Appendix 2 To Schedule 3 (Price Summary)

Supplier price summary: To be completed by the supplier in support of a quotation provided in response to an ITT for the requirement captured on the above Draft Tasking Order Form.

1.

2.

Date of submission:

In response to your request for a quotation
reference

Dated

*The work can be undertaken and our detailed response is attached. ☒

*We are unable to provide the resources/deliverables identified on this occasion. ☐

(* Check box as appropriate)

Signed:

Name: (Block Capitals)

Date:

Original signed

2. Task title):

3. Unique Reference Number

4. Start Date:

Completion Date:

5a. Quotation

Broad
Capability Area
No.

Grade

Hourly rate
quoted at
ITT

Hourly rate
quoted for
this task

Reduction on
original ITT
rate

No of
Hours

Total

5b. Travel

Unit cost

Number of
Journeys / Miles

Total

Rail

Motor Mileage (max price per
mile)

£0.25 (inc VAT)

Air
Sea

Estimated expenditure on:

Unit cost

Number of
Night/Days

Total

5c. Subsistence

Accommodation

Meals

Misc (please state below)

The above T&S costs relate to the period to

PROTECT – COMMERCIAL (when completed)

5d.Other
Costs

Sub-contractor Price

Sub-Contractor Details

Materials

Other (Please provide details
below)

Description

Cost

Total Price

£99,936 (excl. VAT)

Appendix 3 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-213
CFC-111	CFC-214
CFC-112	CFC-215
CFC-113 (trichlorotrifluoroethane)	CFC-216
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 (bromochlorodifluoromethane - BFC)

Halon-1301 (bromotrifluoromethane - BTM)

Halon-2402

HBFCs - Production has stopped.

CHFBr_2	$\text{C}_2\text{H}_2\text{F}_2\text{Br}_2$	$\text{C}_3\text{HF}_4\text{Br}_3$	$\text{C}_3\text{H}_3\text{F}_2\text{Br}_3$
CHF_2BrC	$\text{C}_2\text{H}_2\text{F}_3\text{Br}$	$\text{C}_3\text{HF}_5\text{Br}_2$	$\text{C}_3\text{H}_3\text{F}_3\text{Br}_2$
CH_2FBrC_2	H_3FBr_2	$\text{C}_3\text{HF}_6\text{Br}$	$\text{C}_3\text{H}_3\text{F}_4\text{Br}$
$\text{C}_2\text{H}_3\text{F}_2\text{Br}$		$\text{C}_3\text{H}_2\text{FBr}_5$	$\text{C}_3\text{H}_4\text{FBr}_3$
$\text{C}_2\text{H}_4\text{FBr}$		$\text{C}_3\text{H}_2\text{F}_2\text{Br}_4$	$\text{C}_3\text{H}_4\text{F}_2\text{Br}_2$
$\text{C}_2\text{HF}_2\text{Br}_3$		$\text{C}_3\text{H}_2\text{F}_3\text{Br}_3$	$\text{C}_3\text{H}_4\text{F}_3\text{Br}$
$\text{C}_2\text{HF}_3\text{Br}_2$	C_3HFBBr_6	$\text{C}_3\text{H}_2\text{F}_4\text{Br}_2$	$\text{C}_3\text{H}_5\text{FBr}_2$
$\text{C}_2\text{HF}_4\text{Br}$	$\text{C}_3\text{HF}_2\text{Br}_5$	$\text{C}_3\text{H}_2\text{F}_5\text{Br}$	$\text{C}_3\text{H}_5\text{F}_2\text{Br}$
$\text{C}_2\text{H}_2\text{FBr}_3$	$\text{C}_3\text{HF}_3\text{Br}_4$	$\text{C}_3\text{H}_3\text{FBr}_4$	$\text{C}_3\text{H}_6\text{FBr}$

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 (CCl_4) - Production has stopped.

1,1,1-TRICHLOROETHANE ($\text{C}_2\text{H}_3\text{Cl}_3$) - Production has stopped.

METHYL BROMIDE (CH_3Br) - Production limits apply.

**Appendix 4 to Schedule 3 (DEFFORM 539A (Edn 08/13)
Tenderer's Commercially Sensitive Information)**

ITT Ref No:FTS/DHELSS0046

Description of Tenderer's Commercially Sensitive Information:
Detailed Pricing Information / Price Breakdown (Not Total Contract Value)

Cross Reference(s) to location of sensitive information in Tender:
N/A

Explanation of Sensitivity:
Commercial

Details of potential harm resulting from disclosure:
N/A

Period of Confidence (if applicable): N/A

Contact Details for Transparency / Freedom of Information matters:

Name: [REDACTED]

Position: [REDACTED]

Address: Aviation Requirements Ltd, Suite 2, York House, Coldharbour Business
Park, Sherborne, DT4 9JW

Telephone Number: [REDACTED]

Email Address: [REDACTED]@aviationrequirements.co.uk

DETAILED TECHNICAL STATEMENT OF REQUIREMENT - PROVISION OF MERLIN STRUCTURAL USAGE VALIDATION PROGRAMME DEFINITION STUDY REPORT

References:

1. Military Aviation Authority Regulatory Article RA5720 – Structural Integrity Management, Issue 2.
2. Military Aircraft Structures Airworthiness Advisory Group (MASAAG) Paper 120 Guidance Material for Structural Usage Validation on Rotary Wing Aircraft (to be issued).

Background

1. The regulatory requirements for through-life integrity management of aircraft structures are defined in Reference 1. A key mandatory programme within this regulatory framework is the conduct of an Operational Data Recording (ODR) programme. The Merlin Project Team (MPT) undertook a comprehensive ODR programme on Merlin Mks 1 and 3 which concluded in Sep 2011 and Apr 2012 respectively. Whilst successful, these programmes were complex, protracted and costly.
2. Accordingly, the intent of Reference 2 (currently in draft) is to develop a cost-effective generic approach to Rotary Wing (RW) usage validation while meeting the original intent of Reference 1. Reference 2 proposes that existing aircraft data recording systems are exploited to determine the usage and that damage is assessed through the correlation with existing qualification data.
3. The methodology described in Reference 2 places particular emphasis on the programme technical definition phase and recommends that this activity should review the level of risk associated with usage. This can only be achieved through a thorough assessment of the existing helicopter design and qualification data, enabling more intelligent and targeted use of other sources of information. The effectiveness of this approach has been demonstrated on the Puma HC Mk2, which is proceeding with a usage validation programme that is appropriate to the degree of risk which can be attributed to usage.
4. It is essential that the approach to undertaking such a usage validation programme is carefully defined and planned with the assistance of suitable subject matter expertise to ensure that clear, appropriate, risk-aligned technical aims are established and can be achieved within a cost-effective and timely work schedule.

Requirements

5. The aim of the Task is to define an effective and efficient usage validation programme for all Merlin Mks, supported by the MPT and platform DO. There will be follow-on tasks dependent on the outcome of this first phase.
6. The Task will involve a comprehensive independent review of existing Merlin structural design, substantiation data and assessment of integrated data monitoring capabilities with the aim of establishing solid foundation knowledge of the type design to be retained by the MPT to inform all future usage validation activity and related programmes. In turn, this task will also inform the scope of work required for further analysis or measurement and identify any monitoring system capability enhancement(s) and / or alternative sources of data collection necessary to achieve the defined objectives.

Output

7. The principal output from this Task will be a peer reviewed technical report, based on innovative RW usage validation methodology, providing the necessary foundation knowledge and recommendations to the Merlin TAA to guide the scope and management of a cost-efficient programme to validate structural usage.

Deliverables and Timescales

8. The outputs from this task should be as follows:

Deliverable 1 – Merlin all Mks Operating Usage Validation Programme (AUVP) Definition Study – Initiation Meeting and Presentation to Stakeholders on intended forward plan

Deliverable 2 – Four interim progression meetings and written reports at: 30/06/16, 12/08/16 (including brief at Merlin Integrity Working Group meeting) 23/09/16 and 04/11/16.

Deliverable 3 - Merlin all Mks AVUP Definition Study – Stakeholders Meeting, Presentation of Findings, Conclusions and Feasibility Recommendations.

Deliverable 4 (Final) - Merlin all Mks AVUP Definition Study (by 30th Jan 2017) consisting of:

- a. Final Customer Report.
- b. Merlin Operating Usage Foundation Body of Information Package.
- c. accomplishment of Merlin Future Operating Usage Validation Programme.
- d. A tailored structured plan for achievement of an MAA RA compliant Merlin all Mks AVUP.
- e. Merlin all Mks AVUP Definition Study Stakeholder Closure and final briefing meeting.

Technical Expertise

9. This task requires technical expertise in the definition and development of usage validation programmes across a range of RW platforms. Evidence of experience in the successful application of innovative RW usage validation methodology is considered essential to the satisfactory outcome of this task.