

Schedule 3 (Tasking Order Form) - FATS STS Tasking

Final Form

Tasking Identification

Unique Tasking Order Number	FTS4/JFC3/0027	Version No. & Date	0
FATS Business Case Number	Original FBC6291 Amendment FBC (FATS team supplied)	Unique Reference Number	
Project / Equipment for which task is in support		UOR	No
Task Title	Technical Gap Analysis of No1 AIDU and DGC GAIT Production Systems for ADQIR Compliance		
NCA's Selected (in accordance with MKM search)	NCA <u>Numbers</u> : 2850,2880,2933,3120,3210,2901		

Please refer to FATS Customer Guidance for definition of Work Category

Directorate & PT / Organisation Title	Joint Forces Command	Supplier Name	Frazer-Nash Consultancy Ltd
PT Leader/ Project Manager	[REDACTED - Personal	Post	[REDACTED - Personal
Post	Information]	Address	Information]
Address			
Postcode		Postcode	
Telephone / Fax No		Telephone / Fax No	
E-mail		E-mail	
UIN & RAC	F0576A,PVA007	CPV Code	71621000-7

Date Draft Tasking Order Issued

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

1. Schedule of Requirements

<u>Item No</u>	<u>Description</u>	<u>Firm Price £ (Ex VAT)</u>
1	Technical Gap Analysis of No1 AIDU and DGC GAIT production Systems for ADQIR Compliancy	[REDACTED – Pricing Information]
2	Travel and Subsistence (T&S) limit of Liability (LOL)	[REDACTED – Pricing Information]

STATEMENT OF REQUIREMENT

TECHNICAL GAP ANALYSIS OF NO 1 AIDU & DGC GAIT PRODUCTION SYSTEMS FOR ADQIR COMPLIANCY

Version 1.0

4 October 2016

JFIG IS 33/14/09

Version Control Sheet:

[REDACTED – Personal Information]

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1 Introduction

1.1 Purpose

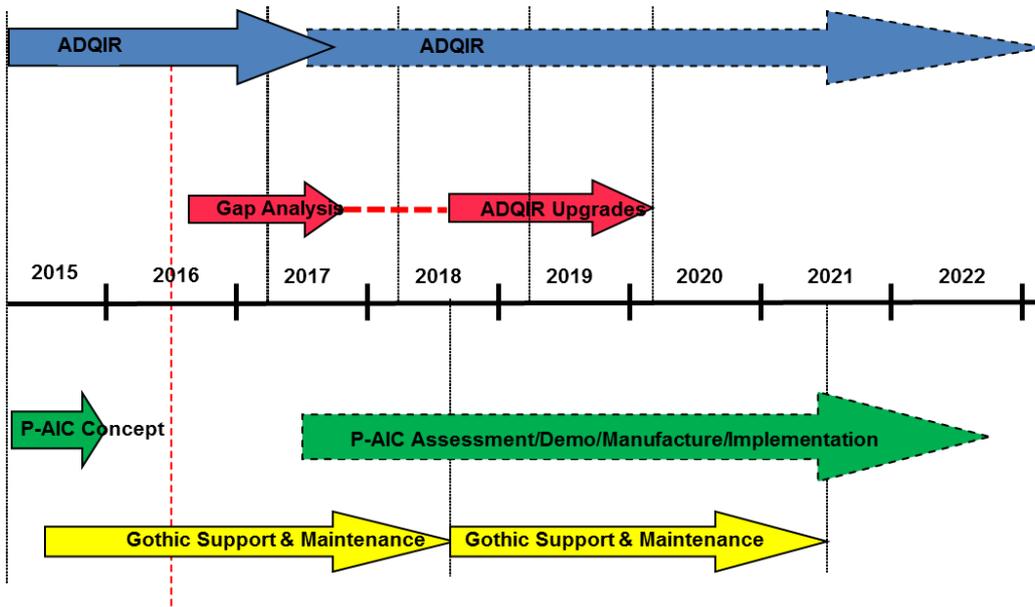
- 1.1.1 This document defines the Statement of Requirement (SOR) for a Technical Gap Analysis of No1 AIDU Production Systems and DGC GAIT (Geospatial Aeronautical Information Team) processes and interfaces with No1 AIDU to meet ADQIR¹ compliance.
- 1.1.2 This SOR will form the basis of a contractual agreement for the delivery of Gap Analysis deliverables and recommendations which will support the Assessment Phase of P-AIC should the project be re-initiated in April 2017 or development of a submission into the ABC 17 planning for upgrading the No1 AIDU and DGC capability to meet ADQIR compliance asap.
- 1.1.3 In order to provide input into the ABC17 planning, an initial output from the Gap Analysis will be required 6 weeks after contract let.
- 1.1.4 Due to the need for setting up special firewalls, the company that carries out the Gap Analysis would not normally be eligible for any Implementation or Delivery contract. Any intention or desire to be involved in any follow-on competition for delivery of the final solution must be stated before consideration can be given for involvement in the Gap Analysis. This, of course, does not preclude the possibility that the Gap Analysis contractor may be offered a role as a customer friend later in the process.

1.2 Scope

- 1.2.1 This SOR is concerned with the Technical Analysis of No1 AIDU production systems and DGC GAIT processes and interfaces with No1 AIDU and will consist of six deliverables:
- 1.2.2 Deliverable One - A report detailing findings against the ADQIR legislation and recommendations on the way forward.
- 1.2.3 Deliverable Two - A report detailing findings against the NPA (Notice of Proposed Amendment) and recommendations on the way forward.
- 1.2.4 Deliverable Three – An interim briefing on findings and progress 6 weeks into the project to include a detailed slide pack.
- 1.2.5 Deliverable Four – Generate Compliance matrices with relevant community specifications.
- 1.2.6 Deliverable Five – Provide an assessment of the performance of the suppliers or tool vendors against the regulation.
- 1.2.7 Deliverable Six – Provide a uml model detailing formal dataset definition.

¹ Aeronautical Data Quality Implementing Rule – European regulation laying down the requirements for the Quality of Aeronautical Data and Information for the Single European Sky.

Technical Gap Analysis and ADQIR Compliance Time Line



1.2.8 The Gap Analysis task would be expected to take approximately five/ six months to complete and the contractor would be expected to provide weekly progress reports to the Government.

1.3 Background

No1 Aeronautical Information Document Unit (No1 AIDU)

1.3.1 Within the Joint Forces Intelligence Group (JFIG), No1 AIDU is responsible for the provision of aeronautical information products and services to UK Defence. The critical output of No1 AIDU is the provision of timely, accurate and coherent worldwide aeronautical information products and services to support Defence operational and legal & mandated flight safety requirements. The current product range includes paper and digital output with the latter either digital portable media or web-disseminated. The timely distribution of products is internationally mandated by ICAO² and follows the 28 day AIRAC³ cycle.

1.3.2 To support the provision of AI suitable for new Area Navigation applications, an independent assessment of the unit's compliance with EUROCAE ED-76/RTCA DO200A has been undertaken. No1 AIDU has been subject to a number of comprehensive reviews and audits in aeronautical data preparation and data quality assurance but has been deemed to operate robust and efficient processes for producing digital aeronautical products supported by an effective quality management system and software based tools which are demonstrably fit for purpose. However, a full technical analysis to identify existing system constraints has not been conducted.

Defence Geographic Centre (DGC)

² International Civilian Aviation Organisation (ICAO).

³ Aeronautical Information Regulation and Control (AIRAC).

- 1.3.3 Within JFIG, DGC is responsible for the delivery of geographic products, data and services to Defence. This includes the collection, research, production, maintenance and provision of geographic aeronautical information products within the GAIT including obstructions and power lines above the high water mark, Maximum Elevation Figures (MEFs) the provision of Digital Terrain Elevation Data (DTED) and the RASTERISATION of both DGC and No1 AIDU air charts in support of AIRAC. The current product range of the Air Information Section within DGC includes paper and digital outputs on CD or DVD. The timely support and distribution to Air Customers follows the, internationally mandated by ICAO, 28 day AIRAC cycle.
- 1.3.4 An Oracle database (Air Information Management System – AIMS) is maintained to facilitate the provision of geographic aeronautical information. In 2007, a technical refresh delivered new hardware as part of the PICASSO O&M arrangements. Plans for delivering the next generation of equipment / capability within the future PICASSO Allied system for Geospatial Intelligence (ASG) programme are currently in work. In 2013 there was a software upgrade to address obsolescence issues.

P-AIC

- 1.3.5 Picasso-Aeronautical Information Capability will provide UK Defence with an AI capability to collect, process, maintain and disseminate worldwide AI in line with current and emerging legislation. This will enable the planning and execution of all phases of activity related to the safe and successful conduct of a UK Defence aviation-related event, from mission planning through take-off to landing and mission debrief. The project will deliver critical standalone capability essential for the continued ability of UK Defence to operate all of its air platforms. The project is currently paused and unlikely to deliver capability for a few years, beyond the implementation of ADQIR.

ADQIR Regulation

- 1.3.6 Over the next 15 years it is expected that the number of commercial aircraft flying in Europe will double. These aircraft will be managed within the same or similar amount of airspace as is currently available but with increased efficiency levels and safety standards. To support the new systems that will allow the growth of air traffic within the European Air Traffic Management Network (EATMN), AI and data needs to demonstrate levels of quality and integrity that have never been possible before.
- 1.3.7 Consequently as part of SES⁴ initiative, the European Commission (EC) issued a mandate to EUROCONTROL to develop regulations strengthening the requirements of ICAO and enforcing a process management approach to the assurance of AD/AI quality. This is EU 73/2010.
- 1.3.8 Specified data quality requirements must be met to support safe operations, in particular future navigation which in making use of satellite navigation systems, will be more reliant on the correctness of the aeronautical data/information and less reliant upon ground based infrastructure. ADQIR requires information to be structured in accordance with ISO standards for geospatial information and exchanged using AIXM.
- 1.3.9 A Notice of Proposed Amendment (NPA 2016-02) has been issued to ADQIR 73/2010 which reflects the current status of the new ICAO proposed amendment revising Standards and Recommended Practices. It serves to make necessary changes bearing in mind the reported delays in member states in adopting the full ADQIR.

⁴ Single European Sky – Initiative to organise airspace into functional blocks according to traffic flows rather than to national borders.

Notice of Proposed Amendment 2016-02 (NPA)

1.3.10 The NPA addresses a safety issue related to the provision of AIS and AIM. Its main objective is to maintain a high level of safety, increase efficiency and provide for greater cost effectiveness of the air navigation system by achieving an uninterrupted aeronautical data chain with no loss or corruption of data and information and with guaranteed data quality.

1.3.11 The specific objectives are to:

- a. Ensure that AD and AI are originated, assembled, edited, formatted, published and finally provided at the required level of quality to the next intended user and for all phases of flight: the quality of the data shall be proportionate to the types of aeronautical actors involved.
- b. Ensure alignment in an efficient and effective way with the latest ICAO Annex 15 amendment.
- c. Ensure enough proportionality and flexibility to allow smooth implementation of AIS.

2. Deliverables

A holistic approach is required for all Deliverables. All production systems need to be analysed to include but not be limited to ingest, data processing, dissemination and data exchange.

2.1 Deliverable One

A report detailing findings against the ADQIR legislation and recommendations on the way forward. To include a presentation to Govt stakeholders.

1. Capture current No1 AIDU and DGC GAIT system baseline and define the current ADQIR compliancy gap.
2. Provide recommendations and develop courses of action on what is required for each system by addressing the detailed ADQIR compliancy gap to include but not be limited to data, documentation, safety, equipment, working processes.
3. Provide options for upgrading each system to meet compliancy with estimated cost, schedule, on-going support costs, risks and opportunities of each option to allow the authority to provide input to P-AIC Assessment Phase or for an ABC 17 submission.
4. Latest completion date for the published version of the report is five months from Contract Award.

2.2 Deliverable Two

A report detailing findings against the NPA and recommendations on the way forward. To include a presentation to Govt stakeholders.

1. Define compliancy gap between No1 AIDU and DGC GAIT system baseline and NPA compliancy gap.
2. Provide recommendations and develop courses of action on what is required for each system by addressing the detailed NPA compliancy gap to include but not be limited to data, documentation, safety, equipment, working processes.

3. Provide options for upgrading each system to meet NPA compliancy with estimated cost, schedule, on-going support costs, risks and opportunities of each option to allow the authority to provide input to P-AIC Assessment Phase or for an ABC 17.
4. Latest completion date for the published version of the report is five months from Contract Award.

2.3 Deliverable Three

An interim briefing on findings and progress 6 weeks into the project.

1. Provide slide pack and briefing detailing status of work undertaken, progress and findings.
2. Provide update to original plan of work.

2.4 Deliverable Four

Generate Compliance matrices with relevant community specifications in line with Eurocontrol Data Assurance Levels (DAL).

2.5 Deliverable Five

Provide an assessment of the performance of the suppliers or tool vendors against the regulation.

1. Including SLAs where appropriate and available.
2. Abiding by DMS (No1 AIDU Data Management Section) Data Quality Regulations, ED-76A and ISO9001-2015.

2.6 Deliverable Six

Provide a uml model detailing formal dataset definition.

3. Final Report: Recommendation on Way Forward

- 3.1 The Final Report shall provide information for input to P-AIC Assessment Phase and P-ASG (for interfaces) or submission to JFIG ABC 17 for future funding and needs to define all options for consideration. It shall contain clear, concise and unambiguous recommendations to inform future JFIG strategies to address compliancy issues arising from the implementation of ADQIR and/or NPA.
- 3.2 The Report output shall include estimations of costs, schedule, on-going support costs and provisional 3 point estimates for delivering and maintaining necessary upgrades across the ten year ABC cycle. It must provide compelling arguments for introducing any new capability with its associated costs. The latest acceptable completion date for the published version of the Final Report is five months from Contract Award.
- 3.3 The information to be provided shall not require exact figures but high level quantitative estimates, with underlying assumptions. The report shall provide a comparison of risks versus costs.

4. Other Information

This section states the Quality, Security and Government Furnished Assets (GFX) requirements.

4.1 Quality

- 4.1.2 Draft versions of all contractor outputs shall be circulated for peer review and comment among key stakeholders prior to final approval two weeks before the due date.
- 4.1.3 The approval authority for the final Gap Analysis report shall be OC No1 AIDU/DGC AD Foundation/DGC COS.

4.2 Security

At least one person from Contractor Team may need to be TS Strap cleared.

4.3 Government Furnished Assets (GFX)

- 4.3.1 GFX shall be provided to the Contractor by the Government and will include:
 - 1. Provision of a list of all systems which require analysis.
 - 2. Current DAFIF specification.
 - 3. Current ARINC specification.
 - 4. No1 AIDU Quality Management System.
 - 5. DVOF specification.
 - 6. DTED Specification.
 - 7. MEF Specification.
 - 8. Air Safety Management Plans.
 - 9. Data Models for Gothic Database.
 - 10. Gothic APS Database Specification.
- 4.3.2 Bidders to provide their requirements for GFX and to detail how much time is required from either organisation identified and any other documentation necessary to carry out the Gap Analysis.

Names of Organisations and key personnel who can be visited as part of this Gap Analysis

Government:

[REDACTED – Personal Information]

Abbreviations/Glossary

ABC	Annual Budgetary Cycle
ADQIR	Aeronautical Data Quality Implementing Rule
AI	Aeronautical Information
AIC	Aeronautical Information Capability
No1 AIDU	No1 Aeronautical Information Document Unit
AIM	Aeronautical Information Management
AIRAC	Aeronautical Information Regulation and Control
AIS	Aeronautical Information Service
AIXM	Aeronautical Information Exchange Model
APS	Aeronautical Production System
ASG	Allied System for Geospatial Intelligence
CAA	Civil Aviation Authority
COTS	Commercial Off The Shelf
DAFIF	Digital Aeronautical Flight Information File
DE&S	Defence Equipment & Support
DGC	Defence Geographic Centre
DTED	Digital Terrain Elevation Data
EATMN	European Air Traffic Management Network
EC	European Community
EUROCAE	European Organisation for Civil Aviation Equipment
Eurocontrol	European Organisation for the Safety of Air Navigation
GAIT	Geospatial Aeronautical Information Team
GFX	Government Furnished Assets
ICAO	International Civilian Aviation Organisation
JFIG	Joint Forces Intelligence Group
NPA	Notice of Proposed Amendment
O&M	Operations & Maintenance
P-AIC	PICASSO-Aeronautical Information Capability
PICASSO	CAP Project to provide Imagery, Intelligence and Geospatial Information to MOD, deployed forces and OGDs
SES	Single European Skies
SOR	Statement Of Requirement

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	<input checked="" type="checkbox"/>
Competitive Award Criteria	As stated in Invitation to Tender
Weightings	Will be provided
Reverse Auction used?	<input type="checkbox"/>
Single Source	<input type="checkbox"/>

General Conditions			
DEFCON 624 (Edn 11/13) – 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 514A (Edn 03/16) – Failure of Performance Under Research and Development Contracts	<input type="checkbox"/>	DEFCON 514 (Edn 08/15) – Material Breach	<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 11/14) – 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"/>
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	<input 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 (Use of P2P and Payment on Completion are the default)				
DEFCON 522 (Edn 18/11/16) – Payment and Recover of Sums Due	<input checked="" type="checkbox"/>			
		Milestone/Stage Payments (see DEFCON 649 (Edn 07/99) below)		<input checked="" type="checkbox"/>
		DEFCON 649 (Edn 12/16) – Vesting (applicable to Tasks with deliverables where provision has been made for milestone/Stage payments in advance of completion)		<input type="checkbox"/>
DEFCON 5J (Edn 18/11/16) – Unique Identifiers	<input checked="" type="checkbox"/>	DEFCON 129 (Edn 18/11/16) – 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)			Due Date	%
				Value £k (ex VAT)
Milestone/Stage No	Key Deliverable			
1	Deliverable One and Two - Report against ADQIR legislation and Report detailing findings against the NPA		23/08/2017	
2	Deliverable Three – Interim briefing on findings and progress		14/07/2017	
3	Deliverable Four and Five – Generate Compliance matrices and Provide an assessment of the performance of suppliers		23/09/2017	
4				
5				
6				
7				
8				
9				
10				
FINAL (Payment should be subject to a reasonable retention based on % of total cost)	Satisfactory delivery of all work under the contract		23/10/2017	

[REDACTED
– Pricing
Information]

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)
<i>If DEFCON 703 does not apply then select either:</i>			
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 21 ,126 Edn 11/06 & DEFFORM 315	<input type="checkbox"/>	All <input type="checkbox"/>	<input type="checkbox"/> The following Item Nos. only (insert below)
DEFCON 14 Edn 11/05, 16 Edn 10/04, 21 & 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 type="checkbox"/> The following Item Nos. only (insert below)
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 (<i>refer to DIPR before ticking this box</i>).			<input type="checkbox"/>

Issue of Government Stores

DEFCON 23 (Edn 08/09)* – Special Jigs, Tooling and Test Equipment	<input type="checkbox"/>
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Controlled Information

Issue of Controlled Information (<i>subject Condition 50 of Schedule 1</i>) (<i>if ticked then list Controlled Information and attach list to Tasking Form</i>)	<input type="checkbox"/>
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Payment of Customs Duty – select one box only

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"/>
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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 type="checkbox"/>	DEFCON 642 (Edn 06/97) – Progress Meetings	<input checked="" type="checkbox"/>	Frequency required	Monthly
Brief Description	Weekly progress reports to be provided to the Authority. Contractor to propose format.				

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 checked="" 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 (See attachment for details)	<input type="checkbox"/>
Additional Quality Requirements (See attachment for details)	<input type="checkbox"/>

Warranty			
Express Warranty (See attachment for details)	<input type="checkbox"/>	Warranty – remedies implied by general law	<input checked="" type="checkbox"/>
Security			
DEFCON 659A (Edn 11/14) and DEFCON 660 (Edn 12/15) – Reportable Official Sensitive Security Requirements			<input type="checkbox"/>

2.1 General Conditions

DEFCON5J (Edn.11/16) - Unique Identifiers

Where used in conjunction with contracts for services, Clause 2 of the DEFCON shall not apply.

2.2 Specifications, Plans

DEFCON602B (Edn.12/06) - Quality Assurance (Without Deliverable Quality Plan)

2.3 Price

Not Applicable

2.4 Intellectual Property Rights

DEFCON90 (Edn.11/06) - Copyright

2.5 Loans

Not Applicable

2.6 Delivery

Not Applicable

2.7 Payment/Receipts

Not Applicable

2.8 Contract Administration

DEFCON642 (Edn.06/14) - Progress Meetings

3. Price

TOTAL CONTRACT PRICE	TYPE OF PRICING
90,906	Firm Price

4. Authority Tasking Order Commercial Officer Authorisation

Name	[REDACTED – Personal Information]
Position	
Signature	
Date	Telephone Number

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 – N/A in this instance

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 18/11/16) to:

DBS Finance
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:

DEFComrclCC-FATSCases@mod.uk

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

DEF Comrcl CC/FATS Cases
Larch Level 0 #2017
MOD Abbey Wood South
Bristol
BS34 8JH

Appendix - Addresses and Other Information

1. Commercial Officer:

[REDACTED – Personal Information]

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

[REDACTED – Personal Information]

3. Packaging Design Authority: N/A

Organisation and point of contact:

DES IMOC SCP TLS Packaging

MOD Abbey Wood,

Bristol, BS34 8JH

Tel: +44(0)30 679 35353

DESIMOCSCP-TLS-Pkg@mod.uk

(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:**7. Intentionally Left Blank****8. Quality Assurance Representative:**

NA

Commercial staff are reminded that all Quality Assurance requirements should be listed under the General Contract Conditions.

NA

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 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. JSCSJSCS Helpdesk ☎ 01869 256052 (option 2, then option 3); JSCS Fax No 01869 256837 www.freightcollection.com**11. The Invoice Paying Authority:**

Ministry of Defence

DBS Finance

Walker House, Exchange Flags

Liverpool, L2 3YL

☎ 0151-242-2000

Fax: 0151-242-2809

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-OpFormsandPubs@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>

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 42 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)

[REDACTED – Pricing Information]

Appendix 4 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	$\text{C}_2\text{H}_2\text{F}_3\text{Br}$	$\text{C}_3\text{HF}_5\text{Br}_2$	$\text{C}_3\text{H}_3\text{F}_3\text{Br}_2$
$\text{CH}_2\text{FBrC}_2\text{H}_3\text{FBr}_2$		$\text{C}_3\text{HF}_6\text{Br}$	$\text{C}_3\text{H}_3\text{F}_4\text{Br}$
$\text{C}_2\text{H}_3\text{F}_2\text{Br}$	$\text{C}_2\text{H}_4\text{FBr}$	$\text{C}_3\text{H}_2\text{FBr}_5$	$\text{C}_3\text{H}_4\text{FBr}_3$
$\text{C}_2\text{HF}_2\text{Br}_3$		$\text{C}_3\text{H}_2\text{F}_2\text{Br}_4$	$\text{C}_3\text{H}_4\text{F}_2\text{Br}_2$
$\text{C}_2\text{HF}_3\text{Br}_2$	C_3HFBBr_6	$\text{C}_3\text{H}_2\text{F}_3\text{Br}_3$	$\text{C}_3\text{H}_4\text{F}_3\text{Br}$
$\text{C}_2\text{HF}_4\text{Br}$	$\text{C}_3\text{HF}_2\text{Br}_5$	$\text{C}_3\text{H}_2\text{F}_4\text{Br}_2$	$\text{C}_3\text{H}_5\text{FBr}_2$
$\text{C}_2\text{H}_2\text{FBr}_3$	$\text{C}_3\text{HF}_3\text{Br}_4$	$\text{C}_3\text{H}_2\text{F}_5\text{Br}$	$\text{C}_3\text{H}_5\text{F}_2\text{Br}$
		$\text{C}_3\text{H}_3\text{FBr}_4$	$\text{C}_3\text{H}_6\text{FBr}$

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

<i>ITT Ref No: FTS4/JFC3/0027</i>
<i>Description of Tenderer's Commercially Sensitive Information:</i> N/A
<i>Cross Reference(s) to location of sensitive information in Tender:</i> N/A
<i>Explanation of Sensitivity:</i> N/A
<i>Details of potential harm resulting from disclosure:</i> N/A
<i>Period of Confidence (if applicable):</i>
<i>Contact Details for Transparency / Freedom of Information matters:</i> <i>Name:</i> <i>Position:</i> <i>Address:</i> <i>Telephone Number:</i> <i>Email Address:</i>