

FATS/STS Schedule 3 (Tasking Order Form)

~~DRAFT/FINAL/AMENDMENT/UOR~~ (DELETE AS APPROPRIATE)

Tasking Identification

Unique Tasking Order Number	NBCC/00102 <i>(Insert additional 9 characters Max)</i>	Version No. & Date	V1 08/10/2015
FATS Business Case Number	Original FBC5543 Amendment FBC <i>(FATS team supplied)</i>	Unique Reference Number	N/A
Project / Equipment for which task is in support	SHIPLIFT	UOR	N/A
Task Title	VARIOUS – SEE ATTACHED STATEMENTS OF REQUIREMENT		
NCAs Selected (in accordance with MKM search)	NCA <u>Numbers</u> : Items 1 & 2 - 3160, 3540, 3710 Items 3 – 6 – 3190, 3540, 3710		

Please refer to FATS Customer Guidance for definition of Work Category

Directorate & PT / Organisation Title	HMNB Clyde Technical Authority	Supplier Name	AMEC Foster Wheeler Nuclear UK Ltd
PT Leader/ Project Manager	David Gillespie	Post	Rich Lock
Post	FDM1	Address	Booths Park
Address	Room 1/5		Chelford Road
	Napier Building		Knutsford
	Faslane		
Postcode	G84 8HL	Postcode	WA16 8QZ
Telephone / Fax No	01436674321 7897	Telephone / Fax No	01565 684518
E-mail	NAVYNBCC-DHI-TA-DSCM11@mod.uk	E-mail	rich.lock@amecfw.com
UIN & RAC	N4127B and PVA007	CPV Code	71356300-1

Date Draft Tasking Order Issued

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

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	Maintain shiplift Modelling Capability Against Current and Future Safety Case Requirements	£19,104.42
2	Review Shiplift Cradle Capper Categories with a View to Increase Capper Life	£6,653.00
3	Review SD Angeline Design Specification and the Palfinger 1800A Stability Book and Amend the TR Appendices	£26,095.25
4	Review and Update of TR 3410 – Shiplift Platform – Cooling Water System Performance and Hazard Withstand	£25,936.09
5	Update, Modify and Re-Run Loss of Seawater FTA within TR 3411	£89,931.15
6	Update TR 3411 to Reflect new Pump Specification	

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 type="checkbox"/>
Competitive Award Criteria & Weightings	
Reverse Auction used?	<input type="checkbox"/>
<i>For Reverse Auction advice and support contact DefComrclCC-RevAuct@mod.uk</i>	
Single Source	<input checked="" 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"/>
Choose one of the following:			
DEFCON 92 (Edn 08/90) – Failure of Performance	<input checked="" type="checkbox"/>	DEFCON 514 (Edn 08/15) – Material Breach	<input 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"/>
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, if other than Firm Priced at Outset (<i>include additional conditions in attachment & complete Appendix 4</i>)			<input type="checkbox"/> <input type="checkbox"/>
Payment Terms Use of P2P and Payment on Completion are the default			
DEFCON 522J (Edn 05/03) – Payment Under P2P (If applicable attach completed Form 522A)	<input checked="" type="checkbox"/>	DEFCON 693 (Edn 04/06) – Government Procurement Card	<input type="checkbox"/>
Intentionally Blank		Milestone/Stage Payments (see DEFCON 649 (Edn 07/99) below)	<input type="checkbox"/>
Intentionally Blank		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 type="checkbox"/>
DEFCON 5J (Edn 07/99) – Unique Identifiers	<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 <i>(Expand table as appropriate)</i>				
Milestone/Stage No	Key Deliverable	Due Date	%	Value £k (ex VAT)
Work Package 1	Technical Note	Jan 2016		£19,104.42
Work Package 2	Technical Note	Nov 2015		£6,653.00
Work package 3	Updated TR Appendices	Dec 2015		£26,095.25
Work Package 4	Updated TR3410	Dec 2015		£25,936.09
Work Package 5	Updated TR3411	Mar 2016		£89,931.15
Work Package 6				
FINAL <i>(Payment should be subject to a reasonable retention based on % of total cost)</i>	Satisfactory delivery of all work under the contract			£167,719.91

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

Controlled Information	
Issue of Controlled Information (<i>subject Condition 50 of Schedule 1</i>)	<input type="checkbox"/>
<i>(if ticked then list Controlled Information and attach list to Tasking Form)</i>	

Payment of Customs Duty – select one box only			
DEFCON 619A (<i>Edn 09/97</i>) - Customs Duty Drawback	<input type="checkbox"/>	Issue of Certificate in accordance with EU (Council) Regulation 150/2003	<input type="checkbox"/>

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 (<i>Edn 06/97</i>) – Progress Meetings	<input type="checkbox"/>	Frequency required	
Brief Description					

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

Liquidated Damages applicable?			<input type="checkbox"/>
<i>(Refer to Condition 46 of Schedule 1)</i>			
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 £	
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 (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 type="checkbox"/>

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

3. Price

TOTAL CONTRACT PRICE	TYPE OF PRICING
£167,179.91	FIRM

4. Authority Tasking Order Commercial Officer Authorisation

Name	SUSAN MCGOWAN		
Position	CLYDE COMMERCIAL MANAGER		
Signature			
Date	08/10/2015	Telephone Number	01436 674321 Ext 7040

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:

DEFComrcICC-FATSCases@mod.uk

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

DEF Comrc CC/FATS Cases
Maple Level 0 #2031
MOD Abbey Wood South
Bristol
BS34 8JH

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

DEFFORM 111
(Edn 08/15)

Appendix - Addresses and Other Information

1. Commercial Officer

Susan McGowan, Room 316, Lomond Building,
HMNB Clyde, Faslane, Helensburgh, G84 8HL

Email: dessmcomrcl-clyde-ccm2:mod.uk

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
☎ 44 (0) 161 233 5394

2. Project Manager, Equipment Support Manager or PT Leader

(from whom technical information is available)
David Gillespie, Napier Building, HMNB Clyde,
Faslane, Helensburgh, G84 8HL

Email: NAVY NBCC-DHI TA DSCM11 (Gillespie, David C2)

9. Consignment Instructions

The items are to be consigned as follows:

3. Packaging Design Authority

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

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

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

Tel No:

(b) U.I.N.

5. Drawings/Specifications are available from

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:

<https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-processing>

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

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

12. Forms and Documentation are available through *:

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

Lower Arncliffe

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

Applications via fax or email: DESLCSLS-

OpsFormsandPubs@mod.uk

7. Quality Assurance Representative:

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

AQAPS and **DEF STANs** are available from UK Defence Standardization, for access to the documents and details of the helpdesk visit <http://dstan.uwh.dii.f.r.mil.uk/> [intranet] or <https://www.dstan.mod.uk/> [extranet, registration needed].

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 be obtained from the MOD Internet Site:
<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)

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. To:Dave Gillespie

2. From: John Ward

Date of submission: 21/09/2015

In response to your request for a quotation
reference FTS/STS / FBC5543

Dated 04/09/2015

*The work can be undertaken and our detailed response is attached. ☒
Please refer to the offer letter for a detailed breakdown of the task pricing.

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

(* Check box as appropriate)

Signed: J Ward
Date: 21/09/2015

Name: (Block Capitals)
John R Ward

2. Task title): Combined Project

3. Unique Reference Number: NBCC/00102

4.	Start Date:	05/10/2015	Completion Date:	11/03/2016
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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
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5b. Travel	Unit cost	Number of Journeys / Miles	Total
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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				

5c. Subsistence	Accommodation
<p>Estimated expenditure: 1000</p> <p>Estimated expenditure: 1000</p>	<p>Estimated expenditure: 1000</p> <p>Estimated expenditure: 1000</p>

Meals

Misc (please state below)

The above T&S costs relate to the period to

5d.Other
Costs

Sub-contractor Price

Sub-Contractor Details

Materials

Other (Please provide details
below)

Description

Cost

Total Price

£167,791.91
(excl. VAT)

- **Appendix 4 to Schedule 3 (Contract Pricing Statement)**

Not Applicable

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-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	$\text{C}_2\text{H}_2\text{F}_2\text{Br}_2$	$\text{C}_3\text{HF}_4\text{Br}_3$	$\text{C}_3\text{H}_3\text{F}_2\text{Br}_3$
$\text{CHF}_2\text{BrC}_2\text{H}_2\text{F}_3\text{Br}$		$\text{C}_3\text{HF}_5\text{Br}_2$	$\text{C}_3\text{H}_3\text{F}_3\text{Br}_2$
$\text{CH}_2\text{FBrC}_2\text{H}_3\text{FBr}_2$		$\text{C}_3\text{HF}_6\text{Br}$	$\text{C}_3\text{H}_3\text{F}_4\text{Br}$
$\text{C}_2\text{H}_3\text{F}_2\text{Br}$	$\text{C}_2\text{H}_4\text{FBr}$	$\text{C}_3\text{H}_2\text{FBr}_5$	$\text{C}_3\text{H}_4\text{FBr}_3$
$\text{C}_2\text{HF}_2\text{Br}_3$		$\text{C}_3\text{H}_2\text{F}_2\text{Br}_4$	$\text{C}_3\text{H}_4\text{F}_2\text{Br}_2$
$\text{C}_2\text{HF}_3\text{Br}_2$	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 6 to Schedule 3 (DEFFORM 539A (Edn 08/13) Tenderer's Commercially Sensitive Information)

ITT Ref No: NBCC/00102
Description of Tenderer's Commercially Sensitive Information: Selling rates per discipline
Cross Reference(s) to location of sensitive information in Tender: Offer document Pricing Section
Explanation of Sensitivity: There are no objections to the overall bid price being released but request that the individual hourly rates remain in confidence between the Authority and Amec Foster Wheeler Nuclear UK Ltd
Details of potential harm resulting from disclosure: Disclosure of this information may give competitors an unfair advantage in future bidding for MoD contracts.
Period of Confidence (if applicable): Duration of FATS/STS Framework
Contact Details for Transparency / Freedom of Information matters: Name: Mr Alex Carne-Ross Position: Commercial Manager Address: AMEC, 305 Bridgewater Place, Birchwood Park, Risley, WA3 6XG Telephone Number: 01925 462561 Email Address: alex.carbe-ross@amecfw.com

STATEMENT OF REQUIREMENT – Item No 1

Unique Tasking Order Number: NBCC/00102	Issue Number & Date: V1 08/10/2015	Unique Reference Number: N/A
Task Title: <u>Maintain Shiplift Modelling Capability Against Current and Future Safety Case Requirements</u>		
Brief Description of Task: The Finite Element (FE) models associated with the Shiplift Facility Safety Case 2005 and the Astute Class Facility Safety Case should be upgraded such that they are capable of running on modern software and hardware. Included within this will be the necessary revalidation work. <i>(or see attached detailed Statement of Requirement)</i>		
Background/Justification: Background: The hardware and software used to run the Finite Element (FE) models associated with the Shiplift Facility Safety Case 2005 and the Astute Class Facility Safety Case is now 14 years old and obsolete. Though the data is regularly backed up, there is a real possibility that if a hardware failure were to occur the ability to run these models could be lost – one such failure has already occurred and proved almost unrecoverable – as the manufacturer no longer supports this system and spare parts could prove very difficult to procure.		
Activities to be Undertaken: <ol style="list-style-type: none"> 1. Upgrade and validate a baseline of models such that they are capable of running on modern software and hardware 		
Deliverables: Successful Migration of the necessary FE models to enable them to run on modern hardware and software, including revalidation – enabling their maintenance and further exploitation in the future. <i>(insert here or see below Key Deliverables template)</i>		
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)): N/A <i>(insert here or see below Key Deliverables template)</i>		
Additional Quality Requirements & Standards: See AOF Quality Assurance Website: http://www.aof.dii.r.mil.uk/aofcontent/tactical/toolkit/content/topics/qual.htm	Timescale: Commencement Date: 8 Oc 2015 Delivery Date: 15 Jan 2016	
Project Manager: D Gillespie		
Signature: <i>David Gillespie</i>		Date: 08/10/2015

STATEMENT OF REQUIREMENT – Item No 2

Unique Tasking Order Number: NBCC/00102	Issue Number & Date: V1 08/10/2015	Unique Reference Number: N/A
Task Title: <u>Review Shiplift Cradle Capper condition Categories With a View to Increase Capper Life</u>		
Brief Description of Task: Review shiplift cradle capper condition categories with the view to increase capper life		
Background/Justification: The purpose of this work is to justify MOD capper condition categories. To date and in the absence of survey evidence to prove otherwise BM TRADA allows softening to a depth of 25mm. BM TRADA can 'reverse engineer' the cappers to investigate if softening of as much as 100mm at end grains of the cappers can be tolerated i.e. can the cappers still work as designed with a reduced bearing surface and what is the maximum allowable reduction in bearing area? This exercise may have the potential to justify the unsubstantiated softening of 100mm currently accepted used by MOD. If not, then the exercise might provide guidance on acceptable softening in excess of 25mm. This may then allow the MOD to introduce an extra condition category that will contribute to longer service life. The acceptance of additional condition categories allowing deeper softening at the end grain will be conditional upon the cappers being free from internal pockets of decay which will be investigated using decay detection drilling techniques, previously used at HMNB Faslane in 2009 and 2010.		
Activities to be Undertaken: <ul style="list-style-type: none"> • Undertake a study to determine the maximum acceptable softening and loss of section at the end grain for cappers. • Provision of a plan of the work including dates. • Report providing guidance on acceptable softening in excess of 25mm currently used 		
Deliverables: Report to be delivered providing details on the maximum permissible softening and loss of section at the end grain. <i>(insert here <u>or</u> see below Key Deliverables template)</i>		
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)): N/A <i>(insert here <u>or</u> see below Key Deliverables template)</i>		

Additional Quality Requirements & Standards:

See AOF Quality Assurance Website:

<http://www.aof.dii.r.mil.uk/aofcontent/tactical/toolkit/content/topics/qual.htm>

Timescale:

Commencement Date: 8 Oct 2015

Delivery Date: 27 Nov 2015

Project Manager: D Gillespie

Signature: *David Gillespie*

Date: 08/10/2015

STATEMENT OF REQUIREMENT - Item No 3

Unique Tasking Order Number: NBCC/00102	Issue Number & Date: V1 08/10/2015	Unique Reference Number: N/A
Task Title: <u>Review SD Angeline Design Specification and the Palfinger 1800A Stability Book and Amend the TR Appendices</u>		
Brief Description of Task: Provide engineering assistance to review and update SD Angeline TR appendices to account for changes in design specification and include stability calculations.		
Background/Justification: Technical Report (TR) for the SD Angeline (Flexible Lifting Solution (FLS)) which together with the existing cranes will comprise the craneage at HMNB Clyde. The purpose of the SD Angeline is to perform lifts to and from SSN's that the Valiant Jetty mounted SLDs cannot perform, and also support other NPWs berthed within HMNB Clyde. In order to meet the Safety Case requirement for the SD Angeline the Technical Authority has been tasked to provide a Technical Report and supporting appendices. To allow the production of the TR the original appendices produced by AMEC will require to be assessed against the SD Angeline Design Specification and the Stability book for the Palfinger 1800A and the appendices updated to account for any change.		
Activities to be Undertaken: <ul style="list-style-type: none"> • Update each appendix where required with the design specification of the actual vessel in terms of description, general arrangement, weight etc. • Review stability requirements in compliance with IMO/MCA and also when carrying out specific lifts. Carry out revised calculations where required. • Carry out calculations to determine the motion of the vessel for different wind/sea conditions from different directions. • Carry out calculations to determine the vessels motions due to wind effects. • Combine the wind and wave motions to determine lifting conditions for critical lifts. • Calculate revised Mooring Loads. • Calculate the Impact energy of the vessel. • Calculate the effects of current Derrick Boom failure. • Calculate the number of refuelling cycles required. • Determine the effect of the revised vessel motions on the crane. • Determine geometry of lifting arrangements and lift paths and investigate any limitations. 		
Deliverables: Soft and hard copies of SD Angeline TR Appendices <i>(insert here <u>or</u> see below Key Deliverables template)</i>		
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)): N/A <i>(insert here <u>or</u> see below Key Deliverables template)</i>		

Additional Quality Requirements & Standards:

See AOF Quality Assurance Website:

<http://www.aof.dii.r.mil.uk/aofcontent/tactical/toolkit/content/topics/qual.htm>

Timescale:

Commencement Date: 8 Oct 2015

Delivery Date: 18 Dec 2015

Project Manager: I Halliday

Signature: *Ian Halliday*

Date: 08/10/2015

STATEMENT OF REQUIREMENT - Item Nos 4-6

Unique Tasking Order Number: NBCC/00102	Issue Number & Date: V1 08/10/2015	Unique Reference Number: N/A
Task Title: Contract to review/update TR 3410 & 3411 and associate fault trees to address installation of new sea water cooling system within the Shiplift.		
Brief Description of Task:		
Background/Justification: The existing TR's (3410 & 3411) and associated FTA are based on the original sea water cooling system within the Shiplift. The Sea Water Cooling pumps and control system were replaced under DCR 1633. TR3410: During this update there is the opportunity to amalgamate the three documents, TR3410 along with TR3410 Addendum 1 and TR3410 Appendix 1, which currently make up TR3410 into one overarching document. Appendix 1 and Addendum 1 contain the substantiation calculations for the cooling water system and are currently referenced out of the TR3410. Amalgamating these documents will provide the system description and substantiations of the cooling system within one document. TR3411: Cooling Water Systems Fault Tree Assessment provides fault and event tree assessments of the cooling water supplies to the Shiplift. Since the sea water cooling pumps have been replaced this TR requires updated to reflect the changes documented in DCR 1633. This provides the opportunity to re-run the FTA to investigate the effect on system reliability based on the new pump system and the feasibility of only running one pump in normal circumstances. This is an issue which has been identified in the past but has never been addressed. This could result in major cost saving benefits including energy costs, life of equipment, reduced spares etc.		
Activities to be Undertaken: <ul style="list-style-type: none"> Update relevant Shiplift sea water cooling system fault trees, TR 3410 & TR 3411 to address installation of new sea water cooling system 		
Deliverables: Soft & hard copies of TR3410 & TR3411. <i>(insert here <u>or</u> see below Key Deliverables template)</i>		
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)): N/A <i>(insert here <u>or</u> see below Key Deliverables template)</i>		

Additional Quality Requirements & Standards:

See AOF Quality Assurance Website:

<http://www.aof.dii.r.mil.uk/aofcontent/tactical/toolkit/content/topics/qual.htm>

Timescale:

Commencement Date: 8 Oct 2015

Delivery Date: Task 4 – 18 Dec 2015
Tasks 5 & 6 – 18 Mar 2016

Project Manager: R Oliver

Signature: *Roddy Oliver*

Date: 08/10/2015