



Situational Awareness Command & Control DT

Maritime Multi Link

Statement of Work for Provision of Maritime Multi-Link TDL SME / I- SMART / ITEAP Technical Support

Annex A to FATS D&E Tasking Order Form
FTS/DE/SACC/12

15/02/2017

Issue 1.1



Ministry
of Defence

AUTHORISATION

Prepared by DES SACC-ABM-PM1a
 Signature [Redacted]
 Date 15/02/2017

Approved by DES SACC-DL-PM2
 Signature [Redacted]
 Date 15/02/2017

AMENDMENT HISTORY

Issue No.	Details of Amendment	Amended By	Date
0.1	Initiation (First Draft)	SACC ABM PM1a	18/11/2016
0.2	Updated Draft	SACC ABM PM1a	21/11/2016
0.3	Second Update	SACC ABM PM1a	21/11/2016
1.0	Final	SACC ABM PM1a	28/11/2016
1.1	Revised following Commercial Comments	SACC ABM PM1a	15/02/2017

TABLE OF CONTENTS

AUTHORISATION.....	2
AMENDMENT HISTORY.....	2
TABLE OF CONTENTS	2
LIST OF ABBREVIATIONS.....	3
BACKGROUND	4
SCOPE.....	5
WORK PACKAGES	6

List of Abbreviations

Abbreviation	Description
CIWG	Capability Integration Working Group
CSIC	Command System Integration Committee
DLCP	Data Link Control Panel
DLP	Data Link Processor
FOC	Full Operational Capability
IOC	Initial Operational Capability
ISD	In-Service Date
ITEA	Integrated Test Evaluation and Acceptance
ITEAP	Integrated Test Evaluation and Acceptance Plan
JRE	Joint Range Extension
L16	Link 16
LPD	Landing Platform Dock
PMO	Programme Management Office
QEC	Queen Elizabeth Carrier
SACC DT	Situation Assessment Command and Control Delivery Team
SML22	Surface Maritime Link 22
SoW	Statement of Work
T23	Type 23
T26	Type 26
T45	Type 45
TDL	Tactical Data Link
UKCCB	UK Tactical Data Link Change Control Board

BACKGROUND

[Redacted]

SCOPE: WORK PACKAGES

1. The Contractor shall require detailed knowledge of TDL Systems & Standards including:
 - a. Link 22 (STANAG 5522 edition 5)
 - b. Link 16 (STANAG 5516 all editions)
 - c. Link 11 (STANAG 5511 all editions)
 - d. Data forwarding between Tactical Data Links (STANAG 5616 all editions)
 - e. Joint Range Extension Application Protocol (STANAG 5518 editions 3 & 4)
 - f. Technical Characteristics MIDS (STANAG 4175 all editions)
 - g. All associated NATO ATDLP documents with the above TDL Standards
 - h. Awareness and understanding of the currently open NATO STANAG DLCPs applicable to the MML message implementation and project scope
 - i. Awareness and understanding of DEF STAN 2188
 - j. Knowledge and experience of the full ITEA Process including the use of VVRM
 - k. The JSP 604 leaflet 2002, TDL iSMART process

Please Note that all personnel are required to have the correct UK security clearance which allows them access to NATO SECRET, SECRET UK EYES ONLY and UK SECRET for the period of performance.

2. . The contract end date for this task being 29 December 2017 in line with current plan for MML Main Gate submission.

WORK PACKAGE 1

FOR MML TDL SME SUPPORT

Note: Reports shall be **Soft / Electronic / Printable / Auditable** using any (where specified) or a combination (as appropriate) of **MS Word, PDF, MS Power-Point or Excel** formats.

Technical table

Item	TASK Description	Deliverable	Measure	Pricing type
A	Review/prepare/update MML ITN/SOW document/elements In support of SACC DT that covers cover all aspects of Link 11, Link 16, Link 22, JRE and STDL tactical data links within the Royal Navy and platform combat systems.	Provide a monthly technical report. (Technical direction to be provided, including updates made to SOW and ITN documentation). WP1: A,B,D,E,H,I,J,K,L WP2: E,F WP3: D	Within 3WD prior to the last working Day (WD) of the month..	Firm price
B	Provide direction to the Authority with clarification on technical issues that concern the MML programme and the baseline requirement. Update requirements document (SRD) set based on stakeholder input.	Provide in the monthly technical report. (Summary of baseline changes made to SRD and associated MML requirements document set.)	Within 3WD prior to the last working Day (WD) of the month.	Firm price
		Formal responses to questions to be emailed to MOD accounts.	Within 5WD of request.	Firm Price
C	Review and present Data Link Change Proposals (DLCP) for impact on the MML baseline prior to and resulting from the UK CCB that impact the MML SRD and Message Implementation Specification (MIPS) and changes in the iSMART PRS or PRDD.	Provide a report on proposed DLCPS that have potential impacts on the MML baseline requirement (e.g SRD MIPS).	Initial Report to be provided 5WD prior to the UK CCB. Update report within 5WD post meeting of UK CCB.	Firm price

Item	TASK Description	Deliverable	Measure	Pricing type
D	Review documentation and problem reports from the NILE PMO and C&IWG meeting for impact on the MML programme.	Provide in the monthly technical report. (Describing activities arising from the NILE PMO issues)	Within 3WD prior to the last working Day (WD) of the month.	Firm Price
E	Maintain the configuration status of all MML baseline technical documents using formal change control procedures.	Provide in monthly technical report. (items where the baseline documents have required modification.)	Within 3WD prior to the last working Day (WD) of the month.	Firm price
F	In collaboration with Phase 1 Technical SME, update and review the baseline migration plan for the transfer of Type 45 Link 16 Development capabilities into the Phase 2 activities.	Issue approved baseline update to the Type 45 Link16 migration plan.	Prior to last WD of April 2017	Firm price
G	Contribute to the review of the formal BAE MML Tender return Provide technical clarification questions and guidance in response to the contractor BAE bid return for all contractor proposed MML activities within the D&M phase, design build, and integration across all MML equipment and platforms.	Provide a weekly written update to SACC-DT on issues identified and discussed.	Midday each Friday	Firm price
		Include in the weekly written update data links (L11, L22, L16, JRE) STANAG deviations identified against the tender baselined MML: SRD, MIPS.	Midday each Friday	Firm Price
H	Following BAE MML Tender Return, Raise necessary changes to MML requirements baseline via SACC DT change control procedure. Record and prioritise problem reports in preparation for formal sentencing.	Include within the weekly written update proposed MML Change requests (forms) to SACC DT for consideration.	Midday each Friday	Firm price
		Provide in the monthly technical report. (Recommendations of changes to SACC DT Configuration Management plan)	Within 3WD prior to the last working Day (WD) of the month.	Firm Price
I	Contribute towards MML Main Gate	Provide in the monthly technical	Within 3WD prior to the last	Firm Price

Item	TASK Description	Deliverable	Measure	Pricing type
	Business Case by delivering technical aspects of the documentation to meet the assurance requirements. (Provide: written amendments/additions to the MML System engineering plan, TRL/SRL plan, evidence statements to meet the requirements of the JSP604 leaflets, and the Network Technical Authority (NTA) network joining rules assurance process).	report. (recommendations to SACC DT the MG Assurance documentation))	working Day (WD) of the month.	
J	Contribute to the identification and management of MML risks.	Provide in the monthly technical report. (Identify the potential risk with proposed mitigations)	Within 3WD prior to the last working Day (WD) of the month.	Firm Price
K	Provide a technical evaluation/review of the MML tender return covering the integration requirements specific to each platform. Interfaces covering: Platform specific communications system, Precise Time (PTFE), Sat Com services inc. Quality of Service (QOS) requirements	Provide in monthly technical report. (Items where the MML Engineering log has been updated.)	Within 3WD prior to the last working Day (WD) of the month.	Firm Price
L	Review MML related problem reports from: NILE, MML Phase1 development and testing/trials, MML ITN development and tender return with related technical development. Reflect issues as updates to and maintain the PTP MML Engineering Log to reflect evidence and notes of discussion with all MML (inc NILE)	Provide in monthly technical report. (Items where the MML Engineering log has been updated.)	Within 3WD prior to the last working Day (WD) of the month.	Firm Price

Item	TASK Description	Deliverable	Measure	Pricing type
	stakeholders.			
M	Submit to SACC DT, a single contract Monthly Work In Progress Certificate (that covers all workpackages 1,2 and 3 (template supplied by SACC DT)).	Confirm task progress and completion percentages against SoW / Project Schedule deliverables.	Last WD of each month.	Firm Price

WP 1 meetings

Item	Task description	Deliverables	Measure	Princing type
1	TDL SME support to SACC DT at MML project based meetings:	Attendance Back brief	Up to 14, 1WD	Max Price
	Main Gate BC Assurance WG	Attendance Back brief	Up to 15, (1 per Apr, May June. 2 per July –Dec), 1WD	Max Price
	MML ad-hoc meeting support	Attendance Back brief	Up to 6, 1 WD	Max Price
	MML SOW/ITN evaluation and development meetings with contractor	Attendance Back brief	Up to 12, 1WD	Max Price
	MML Integration meeting (PTP)	Attendance Back brief	Up to 8, 1WD	Max Price
2	Representing the MML project at the UK TDL CCB. CCB is held every four months.	Attend: 3 rd May and Sept Back biref	2 x 1 WD	Firm Price
3	Attend C&IWG meeting in support of the national representatives as and	Attend: May (Poland) and Dec(USA) Back brief	2 x 5 WD mtg plus 2 WD travel (weekends)	Firm Price

	when required.			
4	TDL SME support contract progress meeting inc start-up and close down.	Attend Back brief T&S	4 x 1WD (1 startup, Apr, Quarterly progress; July, Oct, 1 close down Dec)	Firm Price

WORK PACKAGE 2**FOR MML TDL I-SMART SUPPORT**

Note: Reports shall be **Soft / Electronic / Printable / Auditable** using any (where specified) or a combination (as appropriate) of **MS Word, PDF, MS Power-Point or Excel** formats.

Item	TASK Description	DELIVERABLE	Measure	Pricing Type
A	Review current extant MML MIP. Identify, clarify and articulate the derived changes and impacts to MML System Requirements.	Issue to stakeholders a revised MML MIPS and amended SR statements.	By 28 April 17	Firm Price
B	Establish, Produce and deliver the initial MML Interoperability Matrix (IOM) for the needs of ISS Des-Strat-TDLStd (output in, MS Word or MS Excel).	Issue agreed IOM to stakeholders	By 12 May 2017	Firm Price
C	Fully populate the eSMART tool (or create an equivalent MS word document if eSMART content not yet available) with MML data for the following message standards: a. Link11, STANAG 5511 ed5 b. Link16, STANAG 5516 ed7 c. Link22, STANAG 5522 ed5 d. JRE (STDLE), STANAG 5518 ed3 e. Data Forwarding, STANAG 5616 ed5 acknowledging the Data Link	Issue to stakeholders the full MML eSMART database (or equivalent MS Word doc) for each MML data Link to enable the production of Link PRSs	By 15 June 2017	Firm Price

Item	TASK Description	DELIVERABLE	Measure	Pricing Type
	Change Proposals (DLCP) tabulated within the MML MIP Version 2.3			
D	Produce and deliver MML iSMART output:: a. MML link specific Platform Requirements Specification (PRS) – provides the exact message standard implementation requirements for the platform.) as eSMART files and MS Word (or MS Excel) documents b. Platform Requirements Difference Document (PRDD) to be included with the (PRS) specifying any deviations from STANAG Requirements for each individual Datalink (eg) Link 11, Link 16, Link 22, & JRE c. Review MIP Version 2.3 against the output from the I-SMART process to confirm validity	eSMART (MS Word) MML PRS and PRDD for each of L11, L22, L16, STD(L)E)-JRE	By 30 June 2017	Firm Price
E	Review and comment on current legacy platforms IOE's relating to MML. Detail findings in the monthly report. Provide recommendations for stakeholder action.	Provide in monthly technical report.	Within 3WD prior to the last working Day (WD) of the month.	Firm Price
F	eSMART/iSMART progress	Provide in monthly technical report.	Within 3WD prior to the last	Firm Price

Item	TASK Description	DELIVERABLE	Measure	Pricing Type
	report		working Day (WD) of the month.	

WP2 Meetings

1	TDL Stakeholder iSMART database review meeting to agree PRS and PRDD prior to issue.	Attendance: June Back brief T&S Meeting at MOD location.	1 x 2WD Issue decision record within 5WD of meeting	Firm Price
---	--	--	--	------------

WORK PACKAGE 3

FOR MML TDL ITEAP SUPPORT

Note: Reports shall be **Soft / Electronic / Printable / Auditable** using any (where specified) or a combination (as appropriate) of **DOORS, MS Word, PDF, MS Power-Point or Excel** formats.

Item	TASK Description	Deliverable	Measure	Pricing Type
A	Provide MML ITEAP and ITEA WG lead. Maintain and control the MML ITEAP updates from stakeholders comments.	Lead the MML ITEA Working Groups, with supply of Agenda, briefing slides, and Minutes.	(4) Agenda, 10WD prior to Meeting (4) Slide pack, 5WD prior to meeting (4) Minutes, 5WD post meeting	Firm price
		Issue revisions and updates of the Draft MML ITEAP to stakeholders for comment.	Draft issue 16 June 17 Draft issue 15 Sept 17	Firm price
B	Provide technical expertise and deliver the MML verification and validation matrix to support Main Gate Business Case deliverables.	MML verification and validation matrix to support the Main Gate Business Case	By 29 Sept 2017	Firm price
C	Develop a fully endorsed baseline ITEA Plan to support the MML Main Gate Business Case. The ITEAP is to Include the necessary conditions to execute the ITEAP post Main Gate.	Stakeholder approved ITEA Plan including defined and approved D&M phase entry conditions.	Issue plan by 29 Sept 17	Firm price
D	Review and update the current MML ITEAP. Coordinate MML ITEA acceptance processes with	Provide in monthly technical report. (liaison and discussions held with stakeholders and amendments	Within 3WD prior to the last working Day (WD) of the month.	Firm Price

Item	TASK Description	Deliverable	Measure	Pricing Type
	the multiple platform stakeholders. Develop the plan to include trial / demonstrate / validate and introduce MML into service.	made to the ITEAP)		

WP3 Meetings

1	MML ITEAP Stakeholder Working Group	Attendance: From May – Nov Resulting, Minutes and Record of Decisions	Up to 4, 1WD	Max Price
2	ITEAP Stakeholder engagement	Attendance: Back brief T&S Meeting at MOD location.	Up to 5, 0.5WD	Max Price

Workpackage Max price events**MML T&S Elements**

Under this tasking associated T&S will be incurred in carrying out these activities. The following table outlines for planning purposes locations that are to be considered as likely to require attendance, with and initial estimate of the number of events expected **per month**, actual event durations will vary depending on event type:

EXPECTED meeting locations (UK) Unless stated in WP tables above
Portsmouth Technology Park
New Malden
Yeovil
Portsmouth NC HQ
Abbey Wood

Task output: This element of the task is proposed to be a Max Price in order to cover necessary travel and expenses.

Deliverables:

Each task output shall be delivered to the authority in MS Word, to the authority's satisfaction, except for:

1. Invoices which are to be supplied as Adobe pdf files for authority approval.
2. Fully resourced Project Plan (MS Project) including Manpower requirements for each Work Package.