

DEFENCE EQUIPMENT & SUPPORT

ARTILLERY SYSTEMS DELIVERY TEAM

ANNEX D

**L118 LIGHT GUN DESIGN ORGANISATION
DATA ITEM DESCRIPTIONS**

Contract Number: 706506451

Date: 28/03/2024

CONDITIONS FOR RELEASE

This information is released by the Government of the United Kingdom to the recipient for defence purposes only. This information must be accorded the same degree of security protection as that accorded thereto by the Government of the United Kingdom. This information may be disclosed only within Defence Departments of the recipient Government except as authorised by the United Kingdom Ministry of Defence. Such recipients shall be required to accept the information on the same conditions as the recipients. This information may be subject to privately owned rights.

THIS DOCUMENT IS THE PROPERTY OF HIS BRITANNIC MAJESTY'S GOVERNMENT AND IS NOT TO BE DUPLICATED WITHOUT THE CONSENT OF THE ISSUING AUTHORITY IN THE UNITED KINGDOM MINISTRY OF DEFENCE.

DATA ITEM DESCRIPTIONS (DID)s**INTRODUCTION**

1. This Appendix contains the Data Item Descriptions required for L118 Light Gun Design Organisation Contract.
2. Each Data Item Description serves as a reference/ guidance document detailing the purpose, format, and content of each deliverable, and shall be referred to during the performance of the Contract by the Contractor. The DIDs shall be read in conjunction with SoW and the EVM L4 Requirements at Appendix J to the Contract.

INDEX OF DATA ITEM DESCRIPTIONS

DID Title	DID Number
Project Management Plan (PMP)	<u>DID 001-PMP</u>
Contract Work Breakdown (CBS)	<u>DID 002 -CBS</u>
Earned Value Management (EVM)	<u>DID 003-EVM</u>
Contract Master Schedule (CMS)	<u>DID 003A-CMS</u>
Interface Description Document (IDD)	<u>DID 004-IDD</u>
Risk Opportunity Management Plan (ROMP)	<u>DID 005-ROMP</u>
Supplier Engineering Management Plan (S-EMP)	<u>DID 006-SEMP</u>
Disposal Plan (DP)	<u>DID 007-DP</u>

<u>L118 LG DO DID 001 – PROJECT MANAGEMENT PLAN (PMP)</u>		
A. <u>Unique ID:</u> L118 LG DID 001	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
D. <u>Related Information</u> 1. L118 LG Project Management Plan (PMP) 2. Safety and Environmental Management Plan (SEMP)		
E. <u>Equipment System Description</u> 1. L118 Light Gun (L118 LG)		
F. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the purpose, format, and content of the Project Management Plan to support the L118 LG DO until an OSD of 2030. 2. This DID has been produced to assist the Contractor in providing their response to the PMP deliverable. The PMP shall link to the Safety and Environmental Management Plan (SEMP) and shall include but not be limited to the points below. Any additional information that the Contractor can justify as being relevant may also be included. 3. The Contractor shall describe within the PMP, the methods and procedures for monitoring and controlling the execution of the Contractors' responsibilities on the project. Particular attention shall be paid to arrangements for reviews and taking effective project management (and corrective action) to deliver the contracted requirement.		
G. <u>Purpose</u> 1. The PMP shall be used by the MOD to evaluate, monitor, and accept the Contractors methods and procedures for monitoring and controlling the Contractors responsibilities on the project.		
H. <u>Full Description\ Product Composition:</u> 1. The following areas shall be fully addressed by the Contractor in the PMP: a. Introduction/ Aim. Identify project objectives, scope, and deliverables. b. Management Strategy. Identify the project management tools and techniques that shall be used, how the project shall be monitored and controlled, how sub-contractors shall be managed and how the project shall be handed over to the Authority. c. Product Breakdown Structure (PBS). A PBS for the project detailing all the products (tangible and intangible) that will be developed. d. Work Breakdown Structure (WBS) & Work Breakdown Structure Dictionary (WBSD). A WBS and WBS Dictionary for the project describing all the work to be undertaken to deliver the requirements. The WBS Dictionary shall define the work packages in detail with both the WBS & WBSD being maintained and updated throughout the life of the project. e. Cost Breakdown Structure (CBS). A cost breakdown for the project that is fully aligned with the WBS & WBSD. f. Organisation Breakdown Structure (OBS). An OBS for the project detailing the project manager and team that will deliver the project, including named individuals. g. Responsibility Assignment Matrix (RAM). A RAM for the project detailing the intersection between the WBS and OBS, highlighting single points of accountability for delivering Work Packages and the project reporting structure to be used.		

h. **Change Management Plan (CMP).** A CMP as part of the PMP outlining how change boards and change reviews shall be implemented to manage agreed changes against the contracted baseline during the life of the Contract, including Contract breach and amendment action if required. The Change Management Plan shall include:

- a. The configuration baseline(s).
- b. A change control process.
- c. How change management proposals shall be developed and proposed.
- d. How proposals shall be agreed, authorised, and monitored internally.
- e. How the contract changes shall be proposed and agreed with the Authority.
- f. How risks shall be managed within change proposals.
- g. How updates to schedule and financial documentation shall be managed as a result of change.

i. **Joint Action Log (JAL).** A JAL for the project detailing open and closed actions to be agreed and discussed during the Project Initiation Meeting (PIM), and updated in the Quarterly Progress Meetings (QPMs). The Contractor and Authority shall use the JAL throughout the duration of the Contract.

l. Format and Presentation:

1. The Master Schedule to be produced in an electronic format compatible with Primavera P6 (i.e. xml or Xer).
2. A Gantt chart as part of the Master Schedule provided in hard copy on an appropriate number of A3 size pages so that it can be clearly read and in an electronic format compatible with Primavera (P6). A Level 0 view of the schedule to be produced on a single sheet of A3 paper with critical path tasks and milestones clearly identified.
3. Contractor shall provide optimal solution for sharing information.

<u>L118 LG DO DID 002 – CONTRACT WORK BREAKDOWN (CWB)</u>		
1. <u>Unique ID:</u> L118 LG DID DO 002	2. <u>Issue:</u> 1.0	3. <u>Issue Date:</u> 28/03/2024
A. <u>Related Information</u> 1. DE&S PC Industrial Tailoring Guide Revision 8.0		
B. <u>Equipment System Description</u> 1. L118 Light Gun (LG)		
C. <u>Scope</u> 1. DE&S PC Industrial Tailoring Guide Revision 8.0. 2. DID is provided in line with Annex C2 of Appendix C EVM requirements (Extracted from the DE&S PC Tailoring Guide). Please refer to Annex C2 of Appendix C for further information.		
D. <u>Purpose</u> 1. This DID summarises the format and content for the CWBS Structure and Dictionary and provides preparation instructions to support the data and frequency requirements specified in the contract. This DID applies to all contracts that require a CWBS. 2. The purpose and intent of the CWBS, and associated Dictionary, is to document and understand the Contractor's product-oriented deliverable scope and planned approach to performing the contract. 3. CWBS at the nominated reporting level will be used in the CSSR. 4. The CWBS is related to, and shall be consistent with, the Contractor's Project Controls Management Plan (PCMP) (DID-PC- 001A) and the Contractor Master Schedule (CMS) DID-PC-003A.		
H. <u>Full Description\ Product Composition:</u> 1. The data item shall comply with the general format, content and preparation instructions contained in this DID. 2. Configuration control of the CWBS and its Dictionary must be maintained throughout the Contract. Changes to the CWBS or its Dictionary affecting the Authority WBS & WBS Dictionary require the prior approval of the Authority. 3. All contract scope must be included in the CWBS Dictionary. 4. The CWBS shall be developed in as much detail as required to define the work effort into manageable parts that successfully achieve the end objective of the Contract. 5. The CWBS Dictionary shall define in detail the scope of work included against each CWBS element. It shall correlate all Contract deliverables (CLINs, CDRLs and accomplishment of Mandated Reviews) against the lowest level of CWBS elements to ensure responsibility for delivery of all items is assigned and planned appropriately. 6. The CWBS shall be consistent with the DPS where appropriate.		
I. <u>Format and Presentation:</u> 1. Routine reporting shall be at the appropriate level as agreed with the Authority to represent a Managerially Significant breakdown of the work for all Contractors unless otherwise defined in the Contract terms or PCMP.		

2. More detailed reporting of the CWBS shall be required for those lower-level elements that address high-risk, high-value, or high-technical-interest areas of a Project. Consult with the Authority for guidance as needed.
3. The CWBS will be prepared and submitted in an electronic format that is either **Redacted**
Under FOIA Section 40, technology strategy

<u>LG118 DO DID 003 – EARNED VALUE MANAGEMENT (EVM)</u>		
A. <u>Unique ID:</u> L118 LG DO DID 003	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
D. <u>Related Information</u> 1. DE&S PC Industrial Tailoring Guide Revision 8.0		
E. <u>Equipment System Description</u> 1. L118 Light Gun DO		
F. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the purpose, format, and content of Earned Value Management (EVM) to Level 4 to support the L118 Light Gun DO until an OSD of 2030. 2. This DID has been produced to assist the Contractor in implementing and managing EVM to Level 4 including the EVM Contract Deliverables. Any additional information that the Contractor can justify as being relevant may also be included.		
G. <u>Purpose</u> 1. EVM shall be used by the MOD to evaluate and monitor the progress of the project against the EVM Contract Deliverables. The DE&S PC Industrial Tailoring Guide Revision 8.0 shall be used by the Contractor to understand the minimum requirements the MOD requires for the L118 LG DO to be delivered. 2. The Contractors methods and procedures for monitoring and controlling the Contractors responsibilities on the project.		
I. <u>Full Description\ Product Composition:</u> 1. The following Contract Deliverables shall be produced, implemented, and maintained in line with Level 4 EVM by the Contractor. 2. Work Breakdown Structure (WBS) & Work Breakdown Structure Dictionary (WBSD). A WBS and WBS Dictionary for the project describing all the work to be undertaken to deliver the requirements. The WBS Dictionary shall define the work packages in detail with both the WBS & WBSD being maintained and updated throughout the life of the project. 3. The Contractor shall refer to Annex B of Appendix C - Project Controls Requirements for details on how the Contractor shall develop, deliver, and update the WBS & WBSD in accordance with CDRL 4. Contractor Master Schedule (CMS). The Contractors schedule for accomplishing the scope of work. 5. The Contractor shall refer to Annex B – Project Controls Requirements of Appendix C to this contract (Annex B to Section 1 of the DE&S PC Industrial Tailoring Guide Revision 8.0) for details on how the Contractor shall develop, deliver, and update the CMS. 6. Cost Schedule Status Report (CSSR). A report that provides the Contractors position regarding planned, actual, and forecast expenditures of the Contract performance and future planning activity. To be provided by the ninth business day on a monthly basis and in accordance with DID_PC-004A in the DE&S PC Industrial Tailoring Guide Revision 8.0. 7. Spend Against Plan. The monetary value of work completed on a calendar monthly basis and reported on by the third business day following the month of work which the work was completed. The Plan includes the planned expenditure for the month derived from CSSR, with the Spend capturing the expenditure incurred during that month on an accrual's basis.		

8. **In Year Spend Forecast.** An estimate of the expenditure to be incurred in the remaining months of the financial year shall be provided by the ninth business day monthly, profiled by calendar month and in accordance with DID_PC-003A in the DE&S PC Industrial Tailoring Guide. The data should reflect the CSSR and be in line with the Authority's financial year which runs from 1st April – 31st March.
9. **Revisions and Data Maintenance – Change Control.** The Contractor shall:
 10. Document, track and communicate changes to the Performance Baseline.
 11. Reconcile current budgets in terms of changes to the authorized work in the detail needed by management of effective control.
 12. Control retroactive changes to records pertaining to work performed that would change previously reported amounts for actual costs, earned value or budgets. Adjustments should be made only for correction of errors, routine accounting adjustments, effects of customer or management directed changes, or to improve the baseline integrity and accuracy of performance measurement data.
 13. Refer to Annex B – Project Controls Requirements of Appendix C to this contract (Section 5 of the DE&S PC Industrial Tailoring Guide Revision 8.0) for details on how the Contractor shall identify a Change Control process.
 14. **Schedule Performance Index.** A measure of conformance of actual progress (earned value - EV) compared to the planned progress – PV. When the SPI is greater than 1.0, this indicates a better than planned project performance, whereas less than 1.0 indicates a poorer than planned performance.
 15. $SPI = EV / PV$

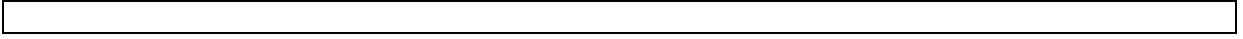
J. Format and Presentation:

1. The Contractor shall ensure that the project data can be exchanged using the Authority preferred software tools. These include:

Redacted Under FOIA Section 40, technology strategy

2. The output of an alternative software system must be compatible with being translated to a XER or XML format file or alternative file as agreed by the Authority. The Contractor shall ensure that the CMS is created in a format that allows an export file compatible with scheduling software defined above or as approved by the Authority.

<u>L118 LG DO 003A – CONTRACT MASTER SCHEDULE (CMS)</u>		
A. <u>Unique ID:</u> L118 LG DO 003A	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
D. <u>Related Information</u> 2. DE&S PC Industrial Tailoring Guide Revision 8.0. 3. DID is provided in line with Annex C3 of Appendix C EVM requirements (Extracted from the PC Tailoring Guide). Please refer to Annex C3 of Appendix C pages 15-18 for further information.		
E. <u>Equipment System Description</u> 1. L118 Light Gun (LG)		
F. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the purpose, format, and content of the Contract Master Schedule to support the L118 LG DO until an OSD of 2030.		
G. <u>Purpose</u> 1. The CMS relates to the following documents required within the contract: Project Controls Management Plan (PCMP) Project Management Plan (PMP) Contract Work Breakdown Structure (CWBS)		
J. <u>Full Description\ Product Composition:</u> 1. The Authority will use the CMS to: 2. Provide visibility into the Contractor's planning baseline and current forecast schedules. 3. Understand and evaluate the Contractors approach to meeting the requirements of the contract. 4. Monitor Contractor progress in meeting the requirements of the contract. 5. As a source of input when completing Authority planning activities; and understand the required touch points between the Contractor's and the Authority's work.		
K. <u>Format and Presentation:</u> 1. The data item shall comply with the general format, content and preparation instructions contained in this DID. 2. Acceptable file formats are those that are compatible with the Authority IT System. 3. CMS deliveries shall include the original baseline schedule and Basis of Schedule, all agreed baseline amendments, the current working schedule together with forecast completion dates and durations. 4. Contractor schedules updated to reflect current progress shall be provided to the Authority on a monthly basis to the end of the calendar month unless agreed otherwise. The monthly reports shall be provided within 4 days of the end of the reporting period unless otherwise specified in the Conditions of Contract. 5. A Control Level schedule hard copy as well as electronic submission in the native file format (Redacted Under FOIA Section 40, technology strategy [REDACTED]). 6. Each submission of the CMS shall be consistent with the associated Status Report.		



<u>L118 LG DO 004 – INTERFACE DESCRIPTION DOCUMENT (IDD)</u>		
A. <u>Unique ID:</u> L118 LG DO 005	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
D. <u>Related Information</u> 1. Def Stan 23-009		
E. <u>Equipment System Description</u> 1. L118 Light Gun (LG)		
F. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the format and content of Interface Description Documents (IDD) for the Open Electronic Architecture.		
G. <u>Purpose</u> 1. IDDs enable the MOD to provide cost-effective upkeep, update and upgrade of the Vehicle Electronic Architecture and Vehicle Platform capabilities through life. 2. IDDs may also be used to support the reuse of Electronic Architecture modules within other Vehicle Platform types other Vehicle Platform types and/or other installation types such as soldiers and bases.		
H. <u>Full Description\ Product Composition</u> 1. There shall be one IDD for each interface identified in the Interface Catalogue as “publicly open”. The IDD shall be under configuration control such that the IDD version for each design baseline of the module is known. 2. The IDD shall clearly identify any restrictions in the use or reuse of any interface, including any commercial or legal restrictions. 3. The IDD shall be delivered under Defcon 703. If the contractor believes this will not allow them to provide a full and complete interface description then they shall consult the MOD Delivery Team, who will provide direction. 4. Each IDD shall: a. Contain a high-level description of the interface and its function within the mission system architecture. b. Contain a high-level visualisation (e.g. schematic diagram, preferably using SysML) of the interface within the mission system architecture. c. List the design artefacts associated with the interface, including general descriptions, architecture diagrams, schematics, mounting arrangements (of the open interfaces parent module), interface connection points and any other information necessary. d. Identify any development environments, tools, processes, and versions required to develop and integrate the interface. e. For software-based interfaces, provide details of the required runtime environment. f. For hardware-based interfaces providing general purpose computing, which is capable of hosting replaceable software, provide details of the provided runtime environment. g. Provide details of any constraints that would affect the reuse of the interfaces, including but not limited to: (1) Deviations from standards, such as, but not limited to, Def-Stan 61-005 (Electrical Power) or Def Stan 59-411 (EMC).		

- (2) Security requirements, specific to the interface, referencing the Security Case, the RMADS and specific risks, where appropriate.
- (3) Safety requirements, specific to the interface, referencing the Safety Case, the Hazard Log, and specific hazards, where appropriate.
- (4) Power dissipation and/or cooling requirements.
- (5) Earthing and grounding arrangements.

h. Define the data dependencies and provisions for the interfaces including but not limited to:

- (1) The purpose.
- (2) The functionality.
- (3) The use cases applicable.
- (4) The data exchange.
- (5) The sequencing of data.
- (6) The minimum and maximum reception rate.
- (7) Information on the data transmission rate.
- (8) Any fixed configuration required.
- (9) A statement on the openness of each layer, e.g. User, Application, Transport, Internet/Network, Data Link.

i. Provide the as-implemented Interface Definition Language (IDL) for the interface.

j. Provide the Management Information Base (MIB) for any Def Stan 00-082 digital streaming interface, populated with any fixed identity and capability data.

k. For interfaces that are for the export of data, the IDD shall contain the .xml schema (to assist developers of the tools receiving data from the platform).

l. Identify and describe the electronic and power characteristics of the interface, including interface connectors, including manufacturer and part number, keyway and insert polarisation, pin assignment and labelling.

I. Format and Presentation

- 1. The IDD shall be delivered to the Authority in an electronic, open standard format.

<u>L118 LG DO 005 – RISK OPPORTUNITY MANAGEMENT PLAN (ROMP)</u>		
A. <u>Unique ID:</u> L118 LG DO 005	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
B. <u>Related Information</u> 1. DE&S PC Industrial Tailoring Guide Revision 8.0 2. DID is provided in line with Annex C5 of Appendix C EVM requirements (Extracted from the PC Tailoring Guide). Please refer to Annex C5 of Appendix C for further information.		
C. <u>Equipment System Description</u> 1. L118 Light Gun (LG)		
D. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the purpose, format, and content of the Risk Opportunity Management Plan (ROMP) to support the L118 LG DO until an OSD of 2030. 2. In accordance with DID-PC-005A, the Contractor shall maintain a ROMP that enables a risk process to be jointly managed with the Authority. 3. The Authority will use the risk management process to: a. Assess and evaluate potential events that might have either a positive or negative impact on the delivery of the baseline scope of work. b. Enable joint risk management effort between the Authority and the Contractor.		
D. <u>Purpose</u> 1. The Contractor shall maintain a ROMP that enables a formal risk process to be managed in conjunction with the Authority. The Contractor shall make it possible for the Authority to engage with the regular risk update process via regular risk reviews and formal risk reporting.		
F. <u>Full Description\ Product Composition:</u> 1. The ROMP defines roles, responsibilities, methodology (process), tools and techniques specific to the project and how threats and opportunities are to be managed through life as part of the overall project management strategy. 2. In the ROMP the contractor must take due cognisance of the scope of the project (performance, cost and time) to establish a mutually agreed risk appetite (agreed tolerances) that enables the contractor to develop their scoring criteria for cost time and performance. 3. The process shall: a. Establish ownership for significant project risks. b. Reduce overall project risk exposure. c. Ensure all scope is considered to give a balanced view of risk. d. Deliver information in support of the overall project decision making and governance processes. e. Enable quantitative analysis to support forecasts of project cost and schedule out-turn.		
J. <u>Format and Presentation:</u> 1. The content requirements of this data item should be considered as a minimum standard that is required. 2. The data item shall comply with the general format, content and preparation instructions contained in this DID.		

3. Documents are to be delivered in both static and electronic format to the Authority and in accordance with the CDRL timescales.
4. Reports shall be delivered on a monthly basis.

<u>L118 LG DO 006 – SUPPLIER ENGINEERING MANAGEMENT PLAN (S-EMP)</u>		
A. <u>Unique ID:</u> L118 LG DO 006	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/03/2024
D. <u>Related Information</u> 1. Integrated Test, Evaluation and Acceptance Plan (ITEAP) 2. Configuration Management Plan (CMP) 3. Project Management Plan (PMP) 4. Quality Management Plan (QMP)		
E. <u>Equipment System Description</u> 1. L118 Light Gun (LG)		
F. <u>Scope</u> 1. This Data Item Description (DID) contains the requirement for the format and content of Supplier Engineering Management Plan (S-EMP) to support the L118 LG DO until an OSD of 2030.		
G. <u>Purpose</u> 2. The purpose of the Supplier EMP is to define the supplier's approach to monitoring and controlling their engineering quality (control and assurance) throughout the remainder of the L118 LG in-service period (OSD anticipated 2030). 3. The aim of the Supplier EMP is to document the activities, means, methods, and controls that will be used to ensure a coherent solution which achieves compliance with the requirements in an effective, efficient, and low risk manner.		
I. <u>Full Description\ Product Composition</u> 1. The Supplier EMP shall be the overarching engineering plan under which will sit the detailed management plans for each engineering area. It shall be aligned with the Supplier PMP. 2. The Supplier EMP shall ensure that any and all systems engineering artefacts which are required to fully justify, and evidence traceability, compliance and performance of the proposed design are produced to a standard in accordance with industry best practice, such as that defined in ISO15288:2008 or equivalent. All required artefacts shall be identified, described, and justified in the Supplier EMP, and shall be produced in a timely manner. 3. The Supplier EMP shall describe in detail all systems engineering tools and methods which are required to support and implement their systems engineering processes. 4. The Supplier EMP shall describe key roles and responsibilities associated with systems engineering through life. 5. The Supplier EMP shall define all engineering meetings required to support the work including design reviews and working groups. It should further specify any Authority attendance which is to be requested. 6. The Supplier EMP shall describe how it is related to other Engineering and Management Plans, and will, where necessary, reference other documents to avoid large sections of duplicated material. 7. The Supplier EMP shall define in detail the System Lifecycle Management Processes, including:		

- a. A definition of the System Lifecycle Model which will be followed.
- b. The phases and reviews contained within the model; including the purpose of each review, required artefacts and the entry / exit criteria.

8. The Supplier EMP shall define in detail the Resource Management Processes including the definition of key Engineering Role Descriptions, the application of Suitably Qualified & Experienced Personnel (SQEP) across all engineering activities, and the manner and means by which the engineering activities will be effectively resourced. This shall also identify any engineering facilities which are required throughout the project and the manner and means by which appropriate access will be secured.

9. The Supplier EMP shall define in detail the Quality Management Processes including Process and Product Quality Management, and the application of Quality Management and Control over the supply chain in accordance with their Quality Management Plan.

10. The Supplier EMP shall define in detail the Project Planning Processes related to Engineering including how the Engineering work is to be defined, planned, scheduled, and managed.

11. The Supplier EMP shall define in detail the Process Assessment Processes related to Engineering, including any Engineering metrics which will be used throughout the lifecycle as key determinants of project delivery and technical quality.

12. The Supplier EMP shall define in detail the Project Control Processes related to Engineering.

13. The Supplier EMP shall define in detail the Engineering Decision Making Processes including Change Management, and Design Trades.

14. The Supplier EMP shall define in detail the Engineering Risk Management Processes.

15. The Supplier EMP shall define in detail the Information Management processes related to Engineering.

16. The Supplier EMP shall define in detail the Verification and Validation (V&V) process in accordance with their Requirements and Acceptance Management Strategy (RAMS) and ITEAP, including the means and manner by which all V&V criteria and methods are to be identified, agreed, and implemented throughout the life of the project.

17. The Supplier EMP shall define in detail the Configuration control process and its application to all aspects of the project including data, information, technical deliverables, requirements, architecture, specifications, and designs in accordance with their CMP.

18. The Supplier EMP shall define in detail the Technology and System readiness process including the assessment of Technology Readiness Level (TRL) and System Readiness Level (SRL) for all aspects of the system, how these are to be controlled and matured to an appropriate level and the means and manner in which these are measured, controlled, and reported (including the use of Roadmaps where appropriate).

19. The Supplier EMP shall define in detail the Technical budget management process including

definition of all key technical budgets which are to be managed throughout the project life and the means and manner in which these are to be measured, controlled, and reported.

20. The Supplier EMP shall describe in detail the application and implementation of engineering specialisms throughout the life of the project. This shall include, but not be limited to the following:

- a. Safety Engineering
- b. Environmental Engineering.
- c. Security Engineering.
- d. Supportability (including Reliability and Maintainability).
- e. Human Factors.
- f. Standardisation.
- g. Training.
- h. Software.
- i. Geospatial domain.
- j. Integration.
- k. Manufacturing.
- l. Assembly.

J. Format and Presentation

1. The Supplier EMP shall be delivered to the Authority in an electronic, open standard format.

<u>L118 LG DO 007 – DISPOSAL PLAN (DP)</u>		
A. <u>Unique ID:</u> L118 LG DO 007	B. <u>Issue:</u> 1.0	C. <u>Issue Date:</u> 28/032024
D. <u>Related Information:</u> 1. Light Gun bridged Integrated Logistics Support (ILS) Plan. 2. Light Gun Supply Support Plan (SSP) 3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.		
E. <u>Equipment / Equipment Subsystem Description</u> 1. L118 LIGHT GUN (LG)		
F. <u>Scope:</u> 1. The Disposal Plan will ensure that the correct activities are undertaken so that the system is decommissioned safely and securely, this will include: a. Sales of decommissioned equipment through the Defence Equipment Sales Authority (DESA), b. Removal of sensitive systems, c. Safe disposal of hazardous products, d. Disposal of Assets Subject to Special Controls (ASSC), e. Recovery and recycling of critical materials, and f. Environmentally responsible disposal. Note: If there is no data or text requirement in the Detailed Contents Section listed at Section I, the Contractor shall enter 'NOT-APPLICABLE', with a justification for the reasons.		
g. <u>Specifications:</u> 1. Def Stan 00-600: ILS Requirements for MOD Projects, Issue No 1 dated 14 Apr 18. 2. JSP 248 Assets Subject to Special Controls (ASSC): Export Controlled Articles Subject to US Laws and Regulations, dated 1 Jul 20. 3. The Waste Electrical and Electronic Equipment (WEEE) (Waste Management Licensing) (England and Wales) Regulations 2006 SI No. 3315. 4. The Control of Substances Hazardous to Health (COSHH) Regulation 2002 5. Directive 2012/19/EU 6. Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) 7. Local disposal and environmental policy 8. Def Stan 81-041 Part 6, issue 10 9. Def Stan 00-051 10. Def Stan 05-099, Managing Government Furnished Equipment In Industry, Part 1, Issue No 2 dated 28 Nov 21. 11. DEFCON 694, Ed 07/21, Accounting for Property of the Authority. 12. DEFCON 68, Ed 05/21, Supply of Data for Hazardous Articles, Materials and Substances.		

H.	<u>Purpose:</u> 1. To provide the Authority with the detailed technical data against the L118 LG Bill of Materials; in order that the Authority can safely, and cost effectively dispose of the L118 LG equipment throughout its life. 2. To provide accurate information to enable the safe and cost-effective disposal of L118 LG System items/materials, by the Defence Equipment Sales Authority (DESA), during the life and final disposal of the System.
I.	<u>Content and Composition:</u> 1. The DP shall include as a minimum but is not limited to: 1.1 Identification of all items requiring special disposal. 1.2 A report listing all hazardous items/materials that are to be incorporated into the system. 1.3 Details of activities required to carry out safe disposal of hazardous items/materials. 1.4 Cost estimates of activities to carry out disposal activities. 1.5 Life expectancy of all hazardous items. 1.6 Current and future known legislation applicability. 1.7 Safety and security aspects regarding disposal and handling of hazardous materials. 1.8 Control of Substances Hazardous To Health (COSHH). 1.9 Identification of all items/materials that are Subject to Special Controls i.e. ITAR/EAR/ASSC etc. 1.10 Details of activities required to dispose of items/materials Subject to Special Controls. 1.11 Details of activities required to carry out the safe disposal of non-hazardous items/materials. 1.12 Details of any 'Lifed' items/materials that are used within the System. 1.13 Cost estimates for disposal activities. 1.14 Details of UK Government Furnished Assets (GFA) held on the Public Service Account (PSA).
J.	<u>Contract Delivery Date</u> 1. As identified in the Project Schedule.
K.	<u>Update / Further Submission Requirements</u> 1. Subjected to formal annual review at Safety committees and safety incidents to ensure applicability and updated through life when endorsed by committee. 2. The DP will be re-assessed when legislation is amended, or when new legislation is issued.
L.	<u>Medium of Delivery</u> 1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media. 2. Hardcopy for definitive versions.
M.	<u>Number of Copies</u> 1. One Set shall be provided (one set being deemed as all documents necessary to meet the requirements the referenced Def Stan's and or other referenced documents above)