Dismounted Joint Fires Integrator (D-JFI)
Annex G Data Item Descriptions (DID) and Contract Data Requirements

Introduction

1. This Annex contains the Data Item Descriptions (DID) List.

2. The DIDs are structured to provide a generic set of data requirements, which addresses the Contractual scope of work being provided by the Contractor, regarding the Integrated Logistic Support and Project Controls Requirements in Annex B (Statement of Requirement) of the Invitation to Negotiate.

3. The Contractor shall work with the Authority to agree and refine the specific data requirements, providing feedback and comments to each deliverable to be included as part of the Contract. The Authority is open to Contractor recommendations to make deliveries easier and expedite delivery timelines.

Index of Data Item Descriptions (DIDs)

DID Title	DID Reference Number	Scope of DID
Integrated Support Plan	DID 001	To enable the Authority to monitor and evaluate the effectiveness of the Contractor's ILS Programme
Support Analysis Plan	DID 002	Covers how the Contractor conducts and plans the activities of Support Analysis (SA), in the transition from the current capability to the delivery of the D-JFI System ensuring contractual compliance against the in-scope and agreed SA activities.
Criticality Analysis Report	DID 003	Covers the Failure Modes Effects and Criticality Analysis (FMECA) output.
Level of Repair Analysis	DID 004	Pertains to the selection of the 'where' and the 'who' performs Upkeep and Update, Corrective and Preventative Scheduled/Unscheduled Maintenance tasks.
Maintenance Task Analysis	DID 005	To cover the Corrective, Preventative and Scheduled Maintenance Tasks that are recommended to be performed by the User/Maintainer.
Supply Support Plan	DID 006	To cover the agreed End to End (E2E) Supply Chain and Supply Support elements.
Manufacture Data Pack	DID 007	The Manufacturing Data Pack (MDP) for an article comprises a data pack the format and content of which is set out in this Data Item Description (DID).
Packaging, Handling, Storage & Transportation Report	DID 008	To cover the packaging, handling, storage, transportation and labelling levels for the new Items of Supply including tools, test equipment and associated items.

DID Title	DID Reference Number	Scope of DID
Initial Provisioning List	DID 009	To cover the spares and S&TE that have been recommended by the Contractor to support the equipment.
Priming Equipment Pack Report	DID 010	An agreed range of spares to cover the period, it takes between the Force deploying and the Authority to establish logistic supply services.
Technical Documentation Management Plan	DID 011	To enable the Authority to monitor and evaluate the effectiveness of the Contractor's Technical Documentation Management controls in the governing, planning, selection, preparation, and delivery and upkeep of technical for the Product
Data Module Requirements List	DID 011a	This Data Item Description (DID) identifies and describes the Data Module Requirements List (DMRL).
Final Deliverable Interactive Electronic Technical Publication	DID 011b	This Data Item Description (DID) identifies and describes the Final Deliverable Interactive Electronic Technical Publication (IETP), which consists of the Final Publication Database (FPDB) with all the necessary links implemented and output formatting instructions incorporated.
Deliverable Publication Data Base	DID 011c	This Data Item Description (DID) defines a Deliverable Publication Data Base (DPDB). The DPDB is the master database of all Data Modules (DM) that have been created or selected for use in support of a specific equipment or project.
Obsolescence Management Plan	DID 012	To cover the organisation, schedule and methodology to ensure that Obsolescence Management (OM) functions are planned and accomplished in a timely and effective manner.
Obsolescence Monitoring Report	DID 012A	To cover any obsolescence risks that could impact system availability of the D-JFI through to its OSD.
Data Recording, Analysis and Corrective Action System Report	DID 013	To enable the Authority to monitor and evaluate the Contractor's method for Incident Management of the Product
Reliability Demonstration Plan	DID 015	To cover the scope, conduct, interpretation and consequences of tests needed to determine if the equipment meets or exceeds the reliability requirement.
Safety & Environmental Management Plan (SEMP)	DID 016	This Data Item Description (DID) contains the requirement for the format and content of the Safety & Environmental Management Plan (SEMP).
Safety Case Part 2 and Associated Hazard Logs	DID 017	This Data Item Description (DID) contains the requirement for the format and content of the Safety Case Part 2 and Associated Hazard Logs.
Disposal Plan	DID 018	To cover hazardous items that are listed within the Bill of Materials for the complete D-JFI system including ancillaries.
Supportability Test, Evaluation and Verification Plan	DID 019	To cover Supportability requirements for System Hardware, software, firmware, integration, documentation, training and logistics.
Quality Plan	DID 020	To cover specified quality standards to maintain Safety and Operational Integrity of the Product and Technical baseline and configuration of the Product.

DID Title	DID Reference Number	Scope of DID
Software Support Plan	DID 021	To enable the Authority to monitor and evaluate the effectiveness of the Contractor's Software Support Programme for the Product
Support & Test Equipment Plan	DID 022	To cover the Contractor's management processes and Organisation used in the designing, developing, identifying, delivering and up-keeping of S&TE for the Product.
Support and Test Equipment Report	DID 022a	Covers the requirement for the format and content of the Support and Test Equipment Report.
Reliability Centred Maintenance Report	DID 023	To cover the Reliability Centred Maintenance analysis carried out by the Contractor.
Facilities Report	DID 024	Covers facilities required to store and maintain spares or other special stores to repair the equipment or to carry out maintenance tasks
In-Service Support Proposal	DID 025	Covers the product support to maintain the design and facilitate design investigations and improvements throughout the life of the equipment.
Logistic Demonstration Plan	DID 026	To describe the specific techniques to be used, tasks to be performed and the development and integration into the overall Supportability programme. It shall contain sufficient background material and have a clear audit trail which ensures that all conclusions, options, recommendations and products can be traced back to source. It shall expose supportability risks so that they can be addressed.
Supportability Case	DID 027	Is a reasoned auditable argument created to support the contention that D-JFI will satisfy the support requirements in the programme in accordance with the contract.
Supportability Case Report	DID 027A	Shall report on the evidence, arguments and conclusions drawn from all support work conducted.
Reliability and Maintainability Case	DID 028	To provide a reasoned argument how each of the requirements will be met in service, based on the evidence and any assumptions. It is to be part of a suite of documents which will comprise the overall R&M Case.
Reliability & Maintainability Case Report	DID 028a	To form part of the body of evidence that makes up the R&M Case
Reliability and Maintainability Plan	DID 029	The R&M Plan will be used as part of the Invitation To Negotiate (ITN) evaluation process. The R&M Plan will describe how the Contractor will demonstrate compliance with the R&M System Requirements and mitigate R&M risks.
Level of Repair Analysis Plan	DID 030	To cover the specific techniques to be used and tasks to be performed and to define the development and integration of the techniques and tasks into the overall Supportability Analysis (SA) programme and other related programmes.
Configuration Management Plan	DID 031	To document the Contractor's Configuration Management System and processes to ensure a common baseline relating to the Contractor's scope of supply is worked to across all Defence Lines of Development (DLOD) contributing to the D-JFI capability.
Government Furnished Asset Management Plan	DID 032	To cover implementation of the GFA management requirements of the Bidder/Prime Contractor and sub-Contractors within their own Supply Chain.

DID Title	DID Reference Number	Scope of DID
ILS Progress Report	DID 033	To cover progress against the ILS Plan and Schedule and Supportability Analysis tasks undertaken.
Transition Management Plan	DID 034	Covers the Contractor's approach and identified phases of the ILS programme being considered in the D-JFI Obsolescence programme, for the transition management from the current capability to the D-JFI programme.
Codification Data Report	DID 035	To cover identification of the Product's candidate Items of Supply that could/will enter the Authority Joint Supply Chain.
In-Service Supply Support Plan (ISSP)	DID 036	Covers the requirement for the format and content of the In-Service Supply & Support Plan (ISSP).
Human Factors Integration Plan	DID 037	To provide both the Contractor and the Authority with assurance that the eventual solution will accommodate all appropriate Human Factors to enable the crew to operate the system effectively under all operating conditions.
ILS Elements Plan	DID 043	Identifies and describes the contractor's Integrated Logistic Support (ILS) Elements Plans. The plans describe the specific techniques to be used, tasks to be performed and the development and integration into the overall ILS / Supportability Analysis (SA) programme and related programmes.
System Task Analysis	DID 045	Covers the requirement for the format and content of the D-JFI System Task Analysis [D-JFI STA].
Technical Documentation	DID 050	Covers the requirement for the format and content of the Product's Technical Documentation.
Earned Value Management Plan (EVMP)	DID 054	To gain confidence that the full scope of work related to the Earned Value Management System (EVMS) contractual requirements, together with associated system implementation risk have been captured and are within the plan for implementation of a compliant EVMS on the Contract.
Contract Work Breakdown Structure (CWBS)	DID 055	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.
Contractor Master Schedule (CMS)	DID 056	The CMS describes the contracted activities, milestones and decision points to enable the objectives and deliverables of the contract to be satisfied. The CMS will define the project schedule status through a comparison of the current schedule status and appropriate accepted baseline schedule.
Contract Performance Report (CPR)	DID 057	The CPRs are prepared by the Contractor to provide the Authority with earned value performance data designed to report multiple aspects of contract performance and future planning activity.
Training Needs Analysis (TNA)	DID 058	Covers the guidance and format of how TNA activities should be completed. The TNA activities describe the specific techniques to be used, tasks to be performed and developed and goes on to describe the requirement for Training Gap Analysis.

DID Title	DID Reference Number	Scope of DID
Course Training Package	DID 059	Covers the guidance and format of how Knowledge, Skill and Attitude (KSA) Analysis is completed. KSA analysis is systematic analysis of Role Performances, Conditions and Standards in order to identify the necessary KSA required to perform the Role. A KSA Analysis moves on from what the Role holder does (captured in the Role Scalar and RPS), to identifying the KSA that have to be learned to successfully perform the task.
Training Assurance Plan	DID 060	The Training Assurance Plan shall cover assurance of: Training Analysis, Training Design and Training Delivery.

D-JFI Data Item Description (DID) 001 Integrated Support Plan (ISP)		
A. Unique ID: D-JFI DID 001 - ISP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI).

F. Scope:

1. This Data Item Description (DID) contains the requirement for the purpose, format and content of the Integrated Support Plan (ISP).

2. The ISP documents the management plans of the Contractor for data gathering and analyses; task management, control and execution; integration and interface of the ILS programme task(s).

3. The management plans of the Contractor will demonstrate that the Product, when deployed, will satisfy supportability criteria of the Contract.

G. Specifications:

1. Systems Requirement Document (SRD).

2. Contract Document Requirements List (CDRL).

3. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

4. ASD S3000L: International procedure specification for LSA Issue 1.1 dated 01/07/2014.

H. Purpose:

1. The purpose of the ISP is to:

   a. Provide confidence in the Contractor’s ILS Management programme and schedule of activities that will deliver against the Specifications as listed in Section G.

   b. Provide confidence in the Contractor’s understanding of the ILS Elements and processes as they apply to their solution.

   c. Provide confidence in the Contractor’s understanding of the identified challenges and risks and the Authorities LORA requirements associated with the proposed solution.

   d. Demonstrate the Contractors understanding of the impact of their supportability options of the System on the Defence Lines of Development.

   e. Enable the agreement, evaluation & monitoring and acceptance of the Contractor's intended planning and performance of the agreed ILS programme.

   f. Enable the through life review of the Contracted ILS services that will be provided by the Contractor.

I. Content and Composition:

1. Introduction. This section identifies the requirements of the ISP containing the following sub-sections:

a. Purpose and Scope. Provides a statement regarding the purpose and scope of the ISP as the document for the management and performance of the contractual ILS programme.

b. ISP Summary. Provides a description of the ISP establishing a clear understanding of the scope, content and organisation of the material presented.

c. Updating Procedure. Provides a description of how alterations to the ISP are to be developed, authorised and incorporated.

2. ILS Programme and Management Organisation. This section provides a description of the overall process, involving both the MOD and the Contractor, for use in managing and performing the ILS programme. This section contains the following sub-sections:

a. Contractor's Approach. Details the logical sequence of activities and decisions which will be developed to maintain the System as a viable, cost effective supportable through-life System.

b. Organisational Structure. Describes each speciality within ILS of the Contractors organisational structure that will be allocated to the Contractors ILS Manager to support the Project. Will include an organisational diagram that supports the description and identifies the relationship to other disciplines within the overall Company organisation. Terms of Reference for the Contractors ILS Manager to be provided as an annex to the ISP.

c. Equipment Supplier Management. The Contractor shall identify the major equipment suppliers and detail:

1) The proposed method of management of equipment suppliers throughout the Project lifecycle.

2) How the Authority’s requirements will be flowed down to Suppliers and Sub-Contractors (if applicable).

3) Management of the Sub-Contractors ILS activities including the flow down of requirements in the Contractors ISP (if applicable).

d. Contractor's Control and Reporting. Details the Contractor's in-house controls and report procedures to ensure the programme delivers against the planned ILS programme. Included is the relationship between the technical programme planning and the schedule planning, with Review points to update the Authority on how the Contractor’s programme is delivering against the Contractual arrangements.

e. Logistic Information Repository (LIR). This shall summarise the intended method for the Contractor to identify, retain, publish, review and Update the flow of logistic information that needs to be included in a shared LIR, for the sharing and transmitting of data deliverables in the acceptance and Upkeep of the Product. Where the Contractor proposes to use a multi-site organisation then the Contractor shall show the organisational structure and detail how information is co-ordinated and shared.

f. Standards. This shall detail the Def Stan’s and DEFCONs that the Contractor will comply with, as defined in the Contract that relate to the ILS Programme.

g. Post-Design Services (PDS). Details the Contractor’s approach for providing PDS to the Authority, in the context of ILS. The Contractor shall consider PDS, and its consequences on ILS, in terms of its effects on maintaining an effective support policy with optimum costs throughout the life of the equipment, this includes:

1) Control and maintenance of design records.

2) Maintenance of technical information, both hardware and software.

3) Provision of support for hardware and software.

4) Implementation of technical tasks to investigate obsolescence issues and tasks. Update

5) The mechanisms for identifying PDS Tasks as part of the DRACAS / FRACAS process.

h. Related Plans This section shall summarise the intended delivery programme of the related plans that are part of the ILS Programme in the form of a schedule on an A3 page originated from Primavera P6 scheduling software. It shall also include as a subset of the ISP:

1) A Maintenance Plan as detailed at Ser.3.2

2) A Supportability Test, Evaluation and Verification (STEV) Plan in accordance with DID 022.

i. Quality Statement. Quality statement outlining the Contractor's approach to Quality Assurance (QA). To include detail on how the Contractor identifies the ILS requirements for inclusion into the Project Quality Assurance Plan and definition of the relationship between ILS and Quality.

3. System Support Elements. Provides details of the ILS Activities provided by the Contractor for the Product in respect of:

a. System / Equipment Description. Describes the functional and physical characteristics of the Product, its sub-systems, parts and Maintenance Significant Items (MSI)s. This includes other Equipment that will interface with the Product, when operationally fielded to the Authority.

b. Reliability & Maintainability. Describes the ILS activities which will be performed by the Contractor in producing the Availability, Reliability & Maintainability (AR&M) deliverables and intended Maintenance Planning activities. To include a Maintenance Plan encompassing the total system and its S&TE. The Maintenance Plan shall identify all the maintenance tasks to be performed and shall be designed to:

1) Reduce the Maintenance burden
2) Allow fault diagnosis and permit equipment exchange of faulty Line Replacement Units (LRU) by Service personnel without Contractor support
3) Allow fault diagnosis and permit equipment exchange of Shop Replaceable Units (SRU) by Service personnel.
4) Reduce the periodicity of preventative and corrective maintenance.
5) Ensure the requirement for preventative maintenance during operational periods is compatible with the allowable equipment downtime as specified in the SRD.
6) Avoid incurring specialist resources as a maintenance requirement where design innovation could overcome the need for this support.

c. Safety and Environmental Management. Describes the ILS activities which will be performed by the Contractor in producing the safety and environmental management function, and safety and environmental deliverables. To include identification of the ILS/SA inputs into the Project Safety Case and the interface between the team and the safety programme. To also include how the Contractor will manage data such as within FMECAs between both teams.

d. Security Management. Describes the ILS activities which will be performed by the Contractor in producing Security related deliverables as specified in the contract.

e. Configuration Management. Describes the ILS activities which will be performed by the Contractor in producing the necessary configuration management system(s) and Configuration Management deliverables.

f. Obsolescence Management. Describes the ILS activities performed by the contractor for obsolescence management system and Obsolescence Management deliverables.

g. Software Support. Details the ILS activities that will be performed to identify the Upkeep and Update software support, including methods and controls for quality and configuration, as part of the Contractor's Software Support Analysis (SSA).

h. Maintainability Design Criteria. Details the maintainability design criteria that will be developed in response to the maintainability requirements.

i. Testability Design Criteria. Details the testability design criteria that will be developed in response to the testability requirements Built in Test (BIT) and Built in Test Equipment (BITE) specifications.

j. Security Design Criteria. Summarises the security design criteria that will be developed to enable the Product and any MSIs, which will be transported in the Authority's and Contractor's Supply Chains. This also includes a summary of the Cyber security for the Product and associated logistic information flows between the Authority and Contractor.

k. Transportation Design Criteria. Summarises the design criteria that will be developed to enable the Product to operate and move in the forward battle space against all the specified environmental conditions. This will also include the design criteria relating to identifying any special to type containers and / or processes, procedures in the handling, storage and maintenance of the Product in the support chain, relating to forward and depth locations.

l. Training Design Criteria. Summarises the Upkeep and Update design activities that will be developed for designing the maintenance training solution.

m. Disposal Design Criteria. Details the design criteria that will be developed to enable the safe and secure disposal of the Product and associated parts, Systems.

n. Logistic Design Criteria. Summarises the maintenance planning design criteria that will be developed to identify items of supply that are already NATO codified and / or are new parts for codification. This includes all parts of the Product including associated Support and Test Equipment (S&TE).

o. Technical Information Design Criteria. Summarises the maintenance planning design criteria that will be developed to incorporate Contractor existing technical information and / or identify new technical information to be produced in the safe operation, maintenance and Update of the Product.

p. Programme Plan and Milestone Schedule. Details the Contractor's Master Milestone Schedule for review as part of the Governance control of the Contract, including capture and mitigation of supportability risks, requiring input by the Authority.

q. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms or words used in the text of the ISP.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. None anticipated post declaration of Logistic Support Date.

2. To be reviewed with a potential update. Note this clause will require review of currency of Def-Stan's and applicability of Standards for inclusion into Update.
L. Medium of Delivery 1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media. 2. Draft and Final versions to be submitted on CD / DVD media in agreed format as per above.
M. Number of Copies 1. Two Sets shall be provided (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary, to meet the requirements, referenced Def Stan's and other referenced documents specified above.

D-JFI DID 002 Support Analysis Plan (SAP)		
A. Unique ID: D-JFI DID 002 - SAP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. Covers how the Contractor conducts and plans the activities of Support Analysis (SA), in the transition from the current capability to the delivery of the D-JFI System ensuring contractual compliance against the in-scope and agreed SA activities.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects, Part 1 & Part 2.

2. ASD S3000L: International procedure specification for LSA 1.1 01/07/2014.

H. Purpose:

1. To provide confidence and summarise the strategy for performing the maintenance planning activities that the Contractor intends to perform against the Specifications listed in Section G.

2. To identify the tasks and sub-tasks that will be performed by the Contractor as part of the maintenance planning activities.

3. To provide documented evidence on how the Contractor's Support Analysis (SA) programme will be conducted to meet the Contractual requirements.

4. To describe the Contractor's management controls to monitor and review the progress of the Support Analysis (SA) tasks and sub-tasks. This includes how reviews will be conducted on each task for the Authority to agree the Contractor's recommendations. E.g. output of SA task 'Level of Repair Analysis', for the agreement on the maintenance policy for the Product's candidate items of supply.

5. To enable the Authority to validate the Contractor's logistic resource outputs and recommendations for the D-JFI System

I. Content and Composition:

1. Introduction / Identification. This section identifies the End Item, procuring authority, preparing authority, contract number and general background to the Plan.

2. Programme description. This section describes how the programme will be conducted to meet the requirements contained in the applicable ILS programme documents.

3. Programme / schedule. This section contains the estimated start and completion points for each task that are agreed as being in-scope as part of the SA programme. The Contractor shall state how the SA activities will be interlaced within the overall ILS schedule to achievement of stated objectives.

4. Contractor's Management structure and organisation. This section identifies the management organisation and skills employed in performing the SA tasks, including the relationship and interfaces with the Authority in conducting the SA programme. To include a nominated point of contact for SA.

5. Control of Subcontractors. Describes the Contractor's internal management and processes in specifying the Authority's SA requirements to their sub-contractors, if applicable.

6. Applicability. Describes Contractor's proposed solution for identifying efficiencies in the SA programme, including the justified tailoring in or out of tasks, sub-tasks. The following SA activities shall be conducted:

a. Mission Hardware, Software and Support System standardisation

b. Comparative analysis

c. Identify technological opportunities

d. Produce a Supportability Design Constraints Report

e. Functional Requirements Analysis

f. Identify Support system alternatives

g. Evaluation of alternatives and trade-offs

h. Task analysis

i. Early fielding analysis

j. Post Production Support analysis

k. Supportability, Test, Evaluation and Verification

7. Tasks. Describes the Contractor's Tasks and sub-tasks that will be performed, including the inputs and outputs of each task/sub-task.

8. Tools. Describes the management and modelling tools that the Contractor employs in the SA Programme.

9. Maintenance Candidate Items. This section shall include:

a. The method and criteria for identifying the Range of items for maintenance planning, including the criteria selection being considered for items of supply.

b. The item record control for identifying the manufacture Build of Material (BoM), with the details of each part and their relationships between each maintenance candidate Item included in the Equipment / Product Breakdown Structure (EBS / PBS).

c. A relationship description of EBS / PBS to uniquely identify and maintain the configuration management control of the candidate items, including how they are differentiated within the EBS / PBS.

d. Methods used which are considered appropriate to justify the selection or non-selection of candidate items for maintenance analysis.

10. Data Interfaces. Describes the data inputs and outputs of each task being performed and the Contractor's proposed methods/processes for interfacing with the Logistic Information Repository (LIR). This includes how data will be collated, managed and used in the SA process in Identifying the logistic support resource requirements, for each task relating to:

a. Systems Engineering / Design.

b. Availability Reliability& Maintainability (AR&M).

c. Human Factors Engineering / Integration (HFE / HFI).

d. Commonality, Standardisation and Interoperability.

e. Parts control.

f. System safety.

g. Packaging, handling and storage.

h. Transportation and transportability.

i. Initial provisioning.

j. Sustainment provisioning.

k. Technical documentation.

l. Training and training equipment.

m. Facilities and Infrastructure.

n. Support and Test Equipment (S&TE).

o. Test, Evaluation, and Acceptance.

p. Reviews.

11. Configuration Control Number (CCN) System. This section contains an explanation of the CCN system used by the Contractor for the maintenance and the through life configuration control of candidate items, Section 9 refers.

12. Maintenance Task Analysis. Summarises the Contractor's procedure for producing the Maintenance Task Analysis Report for the various types of maintenance considered appropriate by the Contractor in the maintenance planning of each candidate item / task for the Product, this includes:

a. Corrective maintenance events for when the Product is In-Use.

b. Preventative maintenance, conditional based maintenance events when the Product is both; In-Use and Out-of-Use.

c. Parts Storage Maintenance activities, maintenance events for items not fitted to the Product and when held in storage.

d. Relationship, rationale, justification and evidence the Contractor intends will be appropriate for establishing and identifying the types of maintenance.

13. Level of Repair Analysis (LORA). Summarises the Contractor's procedure for implementing the requirements of Level of Repair Analysis (LORA). A LORA Report shall be a sub-section of the SSP and shall detail the Non-Economic (NE) criteria of where the Corrective and Scheduled Maintenance Tasks identified in the FMECA are to be performed within the agreed D-JFI Support Chain.

14. Criticality Analysis (CA). The CA shall be a sub-section of the SSP. The CA shall enable the agreement, evaluation and acceptance of the Contractors proposed Preventative Maintenance Tasks. CA evidence shall be provided either (but not exclusively) from:

a. Existing knowledge and experience of similar products in use.

b. Existing maintainability and reliability data for the product in use.

c. Existing Failure Modes and Effects Analysis (FMEA) and Failure Modes Effects and Criticality Analysis (FMECA) results for the product in use.

a. In the absence of any evidence; FMECA Worksheets will be provided detailing:

d. The types and frequency of candidate failure modes which could result in a mission failure and/or critical fault.

e. The End Effect on the System because of the failure mode.

f. The Local Effect on the sub-system, LRU, and/or component because of the failure mode.

g. Recommended Corrective Action to be taken against each type of failure mode.

15. Design requirements dissemination. This section includes the method by which supportability related design requirements are to be disseminated to designers and associated personnel. Also included is the method by which supportability related design requirements are disseminated to subcontractors and the controls levied under such circumstances.

16. Government Furnished Assets (GFA). This section contains the identification of government assets to be furnished to the Contractor including the method, format and schedule for its required delivery. Any required attributes of the assets are to be identified.

17. Status and control procedures. This section defines the procedures used to evaluate the status and control of each task, and the identification of the unit authorised with responsibility for executing each task.

18. Deficiency control. This section contains the procedures, methods and controls for identifying and recording design problems or deficiencies affecting supportability. It also contains an identification of corrective actions required and the status of action taken to resolve the problems.

19. Data collection. This section contains a description of the data collection system to be used in performing the SA programme and sharing and controlling the LIR related design data. This includes:

a. The selection process to be used by the Contractor, indicating which tools and methods will be used.

b. Identification of which data will be delivered during the contractual term and in-scope information candidates for consideration in the LIR.

c. Identifying which data requested in the Contractual requirements that the Contractor is unable to provide, including the reason for exclusion of this data in each instance of non-compliance.

d. Identifying which information of the LIR is government data to be furnished to the Contractor including the desired method, format and schedule for the Authority to flow down to the Contractor.

e. The method for sharing and transmitting information contained in the LIR either via an approved and endorsed on-line access or other Contractor proposal for information downloads through push and/or pull transactions.

20. Design review procedures. This section includes a description of design review procedures and consideration which provide for official review, approval and control of related design information with the SA programme.

21. Software Support Analysis (SSA). This section explains the Contractor's method for performing Software Support Analysis (SSA), identifying Authority and Contractor resources required to manage and Upkeep the software, including those related to:

a. Documentation.

b. Software engineering environment.

c. Software tools.

d. Support & Test Equipment.

e. Software licences & IPR issues.

f. Training.

g. Information and data related to sharing and hosting on the LIR.

h. Disposal of software.

i. Security and handling of the software.

j. Testing of the software.

k. Software specific support tasks identified in the Upkeep and Update of the software.

l. The process for modifying software and reacting to Change requests relating to Corrective changes, Adaptive changes, Perfective changes and Enhancement changes.

m. The resources and processes associated with implementing software Updates to fielded Systems, including load, re-load, replicate, copy, store, distribute and carry out any handling activity on software, firmware and data.

22. Comments. Details Contractor's comments, when contradictions have been identified in the Authority's SA and/or SSA specifications. This includes the Contractor's proposal to tailor a relevant and realistic programme, which reflects the design nature of the Product and / or relates to other interfacing documentation that could be used to provide the outputs of the SA / SSA Task(s).

23. Quality Assurance. A Quality statement to ensure correct application of Quality Assurance procedures for the SAP. This includes software modifications and additional related factors of configuration and obsolescence control included in the programme.

J. Glossary, Acronyms and Terms.

1. Contains glossary of all acronyms and special terms or words used in the text of the SAP.

K. Contract Delivery Date

1. As identified in the Project Schedule.

L. Update / Further Submission Requirements

1. None anticipated post declaration of Logistic Support Date.

2. To be reviewed with a potential update. Note this clause will require review of currency of Def-Stan's and applicability of Standards for inclusion into Update.

M. Medium of Delivery

1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Draft and Final versions to be submitted on CD / DVD media in agreed format as per above.
N. Number of Copies 1. Two Sets shall be provided (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary, to meet the requirements, referenced Def Stan's and other referenced documents specified above.

D-JFI DID 003 Criticality Analysis Report (CAR)		
A. Unique ID: D-JFI DID 003 - CAR	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description.

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. Covers the Failure Modes Effects and Criticality Analysis (FMECA) output.

2. 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.

3. Where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification and data sources for supplying the Authority with the DID data and information, for agreement by the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects, Part 1 & Part 2.

2. ASD S3000L: International procedure specification for Logistic Support Analysis (LSA) Version 1.1 dated 01/07/2014.

H. Purpose:

1. Enable the Authority to evaluate the Product's Supportability Case evidence and R&M behaviour data which is considered or which could be, potential candidates of data, requiring agreement on which a Support Solution is to be adopted by the Authority.

2. Provide the overview of what level of analysis, if any, was performed by the Contractor in relation to determining the FMECA data outputs of the Product, to justify the Contractor's recommended Preventative (Scheduled) Maintenance regime, tasks and / or schedules.

3. Enable the agreement, evaluation and acceptance of the Contractor's proposed Preventative Maintenance tasks.

4. Provide the engineering and logistic information feeds required to conduct Maintenance Task Analysis.

I. Content and Composition:

1. Identification of the contractor, contract number and contracting organisation.

2. Identification and description of the End Item.

3. Identification of the contractor's organisation structure responsible for performing the FMECA.

4. Description of the contractor's procedures for implementing the specified requirements of ASD3000L. The Report shall include:

a. Procedures for updating the FMECA to reflect design changes.

b. Procedures for the use of analysis results to provide design guidance.

c. Examples of the contractor's worksheet formats used to organise and document the FMECA.

d. Description of processes and analysis assumptions that identify:

1) The FMECA approach i.e. hardware, functional or combination.

2) The lowest indenture level to be analysed.

3) General statements or failure definitions of what constitutes an item failure in terms of performance criteria and allowable limits.

5. If analysis requirements change any processes or analysis assumptions, they shall be identified and documented in the FMECA report.

6. Identification of the indenture level that applies to the system hardware or functional level at which failures are assumed. Unless otherwise specified the contractor shall base the lowest indenture level for analysis on the following:

a. The lowest level specified in the LSA candidate list to assure complete inputs for each LSA candidate.

b. The lowest indenture level at which items are assigned a catastrophic (Category I) or critical (Category II) severity classification category.

c. The specified or intended maintenance and repair levels for items assigned a marginal (Category III) or minor (Category IV) severity classification category.

d. Description of the contractor's coding system used for consistent identification of system functions and for tracking failure modes. The coding system shall be based on upon the equipment breakdown structure or other similar uniform numbering system and shall provide complete visibility of each failure mode and its relationship to the system.

e. Identification of the data sources used to ascertain failure rates for the FMECA.

f. Description of how the results of FMECA will be documented in the LIR.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated for two years' post declaration of Logistic Support Date.

2. To be reviewed with a potential update. Note this clause will require review of currency of Def Stan's and applicability of Standards for inclusion into Update.

L. Medium of Delivery

1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Draft and Final versions to be submitted on CD / DVD media in agreed format as above.

M. Number of Copies

1. Two Sets shall be provided (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary, to meet the requirements, referenced Def Stan's and other referenced documents specified above.

D-JFI DID 004 Level of Repair Analysis (LORA) Report		
A. Unique ID: D-JFI DID 04 - LORA Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Level of Repair Analysis (LORA).

2. Pertains to the selection of the 'where' and the 'who' performs Upkeep and Update, Corrective and Preventative Scheduled/Unscheduled Maintenance tasks.

3. The LORA Report and Contractor's recommendations shall be subject to an initial verification by the Authority. Initial verifications of the LORA Report recommendations shall be subject to a final validation by the Authority and sentenced at the EJP.

4. 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. Specifications:

1. Def Stan 00-600 ILS Requirement for MOD Projects Part 1 & Part 2.

2. ASD S3000L: International procedure specification for Logistic Support Analysis (LSA) Version 1.1 dated 01/07/2014.

H. Purpose:

1. To enable the Contractor to produce a Supportability Case Report, using the LORA as key supporting evidence.

2. To identify the approach of how the Contractor shall conduct LORA and provide confidence to the Authority, that the Contractor's recommended support design is optimal and cost effective.

3. To provide the basis of how the LORA shall be verified and validated based on Non-economic criteria and Supportability Assumptions, in agreement with the Authority.

4. To provide a basis for the review and evaluation of the Contractor's proposed LORA recommendations, detailing the mechanisms of how and when the Engineering Judgement Panel (EJP) shall be convened, including the Secretarial duties being performed by the Contractor and Chairmanship by the Authority, including who has the final decision.

I. Content and Composition:

1. The LORA Report shall contain the support detail, addressing each Section heading of the Non-Economic (NE)-LORA Report.

2. As a minimum the LORA Report shall detail each candidate Item of Supply considered for replenishment, requiring procurement and / or part of Initial Provisioning. Items will be identified in the Product's Equipment Build

Structure (EBS) and candidate Bill of Materiel (BoM). Note, consumable Items of Supply considered as low cost common, fixtures and fixings shall be excluded from the LORA. These low-cost items, unless specified otherwise by the Contractor, shall be assumed as Disposable Units (DUs), which are discarded by the Authority at the fielded forward location. Additionally, these items will not pose any environmental hazard requiring special disposable and/or handling controls in their disposal.

3. The Report shall contain the analysis of 'Repair versus discard', including the location where Repaired and where discarded. Maintenance shall be assessed as 'Forward versus Depth'. The minimum information that shall be detailed and provided in the Report is listed below:

a. Unique Item configuration control number - Logistic Control Number (LCN).

b. End Item Description.

c. Part Number.

d. Reliability parameter, Mean Time between Failure (MTBF), against each MSI.

e. NSN, if available.

f.

g. Mother Item(s) fitted to by LCN.

h. Quantity fitted per mother item.

i. Location where Replacement activity takes place; A, B, C or D (Location definitions are included in the D-JFI MoD ILS Plan).

j. Location where Repair activity takes place, A, B, C or D.

k. Location where Disposal takes place, A, B, C or D.

l. The organisation performing the Repair / Replacement activity 'Forward' (Organisational formation associated with Level 1 or 2), 'Depth' (Depot / Workshop formation associated with Industry or the Authority's depth Agency, - Babcock Defence Support Group).

m. Item Type.

n. Does the item require special handling and / or disposal controls? If Yes detail requirements.

o. Does the item require special transportation controls? If Yes detail requirements.

p. Does the item require storage Upkeep / Update maintenance, inspections and / or checks? If Yes, detail requirements.

q. Does the item require additional facilities, support infrastructure or S&TE, investing in by the Authority for implementing the LORA recommendation? If Yes detail requirements.

r. Mean Time to Replace per Item in hours active.

s. Mean Time to Repair at forward in hours active.

t. Mean Time to Repair at Depth in hours active.

u. Frequency of Replacement actions per year per Item.

v. Frequency of Repair actions per year by location per Item. This shall also detail the anticipated type of failures entering Depth facilities.

w. Frequency of Disposal actions per year per Item by location.

x. Cost line used to decide whether to repair or to discard an item.

y. Contractor's written Justification for LORA recommendation based on Non-economic criteria.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated for two years' post declaration of Logistic Support Date.

2. To be reviewed with a potential update. Note this clause will require review of currency of Def Stan's and applicability of Standards for inclusion into Update.

L. Medium of Delivery

1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Draft and Final versions to be submitted on CD / DVD media in agreed format as per above.

M. Number of Copies

1. Two Sets shall be provided (one set being deemed for the Authority's Master Library and one set for the verification of all documents necessary, to meet the requirements, referenced Def Stan's and other referenced documents specified above.

D-JFI DID 005 Maintenance Task Analysis (MTA) Report		
A. Unique ID: D-JFI DID 05 - MTA Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the purpose and requirement for the format and content of the Maintenance Task Analysis (MTA) Report.

2. The MTA Report will encompass the complete D-JFI system and the associated Support & Test Equipment (S&TE).

3. To cover the Corrective, Preventative and Scheduled Maintenance Tasks that are recommended to be performed by the User/Maintainer.

4. 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.

5. Where the Contractor recommends to the Authority, for the tailoring out of this DID: The Contractor shall provide the detailed justification and data sources for supplying the Authority with the DID data and information with the MTA Summary Report data to enable agreement for tailoring out with the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & Part 2.

2. ASD S3000L: International procedure specification for Logistic Support Analysis (LSA) Version 1.1 dated 01/07/2014

H. Purpose:

1. To detail what level of Corrective and Scheduled maintenance tasks will be carried out by the Contractor.

2. To detail what level of Corrective, Preventative and Scheduled maintenance tasks are to be carried out by the Authority's User/Maintainer.

3. To provide confidence against the Specifications as listed in Section G.

I. Content and Composition:

1. The MTA Report shall contain the maintenance (including calibration) and operational details that the Authority's User / Maintainer shall be required to know to perform the Upkeep of D-JFI against each candidate task, in agreement with the Authority:

a. Maintenance Level.

b. Number of personnel, skill levels, skill specialities, man-hours and elapsed time.

c. Spares, repair part and consumables required.

d. Support equipment; Test, Measurement and Diagnostic Equipment (TMDE); and test programme sets required.

e. Training and training materiel required together with recommended training locations and rationale.

f. Procedural steps required to perform the task including any safety and or environmental steps to be performed.

g. Facilities required.

2. The MTA Report shall record the documentation against which the analysis was conducted and document the following activities:

a. Identification of new or critical logistic support resources required to operate and maintain D-JFI.

b. Alternative design approaches where tasks fail to meet established goals and constraints for the new equipment or where the opportunity exists to reduce operating / support costs, optimise logistic support resource requirements, or enhance readiness.

c. Identification of management actions to minimise the risks associated with each new or critical logistic support resource requirement.

d. The Documentation shall detail those support resources requiring Initial Provisioning interfacing with the Initial Provisioning List, including identification of appropriate parts and NATO Stock Numbers (NSN).

3. The MTA Report shall record any new candidate Items of Supply identified in the MTA that are subject to configuration control including their status of when parts:

a. Were submitted by the Contractor to the Authority for codification

b. Requests for further information are submitted to the Contractor by the Authority.

c. Codification status of parts to meet the Transition programme, noting the urgency of codifying long lead items first, to avoid support gaps of support and delays to In-Service dates.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

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. Number of Copies

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.

D-JFI DID 006 Supply Support Plan (SSP)		
A. Unique ID: D-JFI DID 006 - SSP	B. Issue: 1.0	C. Issue Date:
D. Related Information: 1. D-JFI Integrated Logistics Support (ILS) Plan. 2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.		
E. Equipment / Equipment Subsystem Description 1. Dismounted Joint Fires Integrator (D-JFI) System.		
F. Scope: 1. To cover the agreed End to End (E2E) Supply Chain and Supply Support elements.		
G. Specifications: 1. Def Stan 00-600: ILS Requirements for MOD Part 1. 2. DEFCON 129: 3. DEFCON 82: 4. Def Stan 81-041 Pt 6: 5. STANAG 4329: 6. North Atlantic Treaty Organisation (NATO) Codification Policy.		
H. Purpose: 1. To detail how the supplier (Contractor effectively demonstrates how they will plan, design, deliver and monitor supply support to the customer (PT TTLS Manager). 2. To assist the Authority in conducting the Logistics Demonstration in the lead up to Early Equipment Delivery Date, Initial Operating Capability and Full Operating Capability. 3. Provide confidence against the Specifications listed in Section G above.		
I. Content and Composition: 1. Supply Support Organisation. Details of the Contractors Supply Support Organisation detailing resource numbers, descriptions of role, departmental responsibilities and expertise of individuals filling key posts. 2. General Strategy. Include the proposed policy or options to be considered including the supply of any spares package. 3. Schedule of Supply Support milestones. 4. Stakeholder Management. Consists of a RACI matrix and a flow down diagram showing relevant appointments 5. Logistic Resources & Processes Details the logistic resources and processes that shall be provided by the Contractor. Includes:		

a. The end to end process commencing with receipt of the Authority's spares demand and ending with the acknowledgment of receipt into the Authority's specified location.

b. The recall procedure for reverse supply chain transactions from the Authority to the Contractor.

c. The supply support sustainability services to ensure Operational Availability levels are achieved should the Authority request to exercise and Enhanced CLS option in the event of D-JFI being required to deploy on an Operational deployment in time to meet Unit readiness times.

6. Monitoring and Evaluation of through life Supply Support
Refer to the use of modelling tools to identify the most economic repair parts and spares package needed to support the operation and maintenance of the equipment at all maintenance levels in conjunction with the SA activities.

7. Project Supply Documentation
Includes illustrated Parts Catalogues and / or illustrated Spare Parts Lists. Processing of the maintenance planning data to identify the spars to be included in TD.

8. Initial Provisioning (IP)
This will detail how the Contractor intends to model the range and scale of the Initial spares proposed by the contractor including the processes and activities by which the figures derived, to ensure that the fielding of the support solution deliverables aligns with the delivery of the D-JFI Systems. To cover:

a. IP responsibilities – Define the procedures for electronic spares procurement.

b. IP guidance conferences.

c. Pre-Assessment meetings and timescales.

d. Initial Provisioning List (IPL) compilation – the level of breakdown; the presentation, size and number of IPL; the management and interpretation of specific data elements; and parts data commonality.

e. The preparation, process, presentation and layout of IPL's.

f. The preparation, control and distributions of illustrations.

g. Updating of IP data – the management and administration of updates and corrections.

h. The generation, format and management of observations.

i. The structure and format for the electronic data interchange (EDI) (DEFFORM 30).

j. Timelines of placing orders for long lead items.

k. Logistic information to be transmitted, received, recorded and analysed in producing the IPL. To include reverse supply chain transactions and responses to demand and re-provisioning requests for Items of Supply from the Authority.

9. NATO codification
Details responsibilities for codification and definition of procedures and processes to be used to identify, classify, name and uniquely number Items of Supply that will/could enter the Authority's Joint Support Chain. Includes a description of the method that shall be used to transmit codification data to the Authority as part of codifying Items of Supply.
Includes the production, management and maintenance of a Codification Report which is to be included as an annex to the SSP.

10. Order Management – eProcurement procedures.

Details the Contractors process of order placement with suppliers upon receipt of an Authority order and the management carried out by the Contractor of the supply chain.
Contractor to produce a template as an annex to the SSP of a rolling Order Book listing Authority orders received with relevant data fields for:

a. Date of Order

b. Order Number

c. NSN

d. Part/Serial Number

e. Description

f. Delivery Date

g. Details of Activity

h. Order Book to be shared and addressed with the Authority throughout the life of the Contract.

11. Replenishment & Re-provisioning of Spares
Details the method to be used in deriving supply support services for routine replenishment and re-provisioning for upkeep of spares availability during the In-Service phase of the Contract.

12. Inventory Management and Optimisation
Details the Inventory management process for Spares Upkeep including Upkeep of the Operational Sustainability stock.

13. Pipeline Times
To include supply support plans for crisis/war.

14. Packaging, Handling, Storage & Transportation
Details the Contractors management control of integrating PHS&T aspects into overall Supply Support, Software and Support Solution design elements of D-JFI for Items of Supply that will/could enter and/or be warehoused within the Authority's Joint Supply Chain. To include Special to Type Containers (STCs), mechanical handling equipment requirements, shelf life requirements, transportability by air, sea and land, delivery arrangements and labelling/2D barcoding.

Includes the production, management and maintenance of a PHS&T Report which is to be included as an annex to the SSP.

15. Soft Consumables.
Details the small replaceable items of the equipment and the provision for supply of these items.

16. Health and Safety
Safety Data Sheets in accordance with DEFCON 68 (Supply of Data for Hazardous Articles, Materials and Substances). DEFCON 624 (Use of Asbestos in Arms, Munitions or War Materials) must be included in all Invitations to Negotiate (ITN).

17. Engineering Drawing Provision
Description of the process the Contractor utilises to generate Engineering Drawings including approval and assurance and the maintenance and recording of drawings related to the Supply Support Plan and the Technical Documentation Management Plan.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.
K. Update/Further Submissions 1. Will need to be updated to reflect the Support maturity of D-JFI up until the In-Service phase.
L. Medium of Delivery 1. Electronic (MS Office Suite 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. Number of Copies 1. One Set shall be provided (one set being deemed as all documents necessary to meet the requirements of the referenced Def Stan and / or other referenced documents as above.

D-JFI DID 007 Manufacture Data Pack (MDP)		
D. Unique ID: D-JFI DID 007 - MDP	E. Issue: 1.0	F. Issue Date:

E. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

F. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

G. Scope:

1. The Manufacturing Data Pack (MDP) for an article comprises a data pack the format and content of which is set out in this Data Item Description (DID).

H. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Part 1.

2. Guidelines for Industry No 10 - The Application of Intellectual Property (IP)

I. Purpose:

1. All data to be supplied as part of a Manufacturing Data Pack pursuant to a Contract Data Requirement shall be prepared in accordance with this DID.

2. This DID shall apply to data prepared by manual and/or automated methods such as Computer Aided Design and Computer Aided Manufacturing Systems.

3. This DID is applicable to the MOD procurement of articles, including components of articles, designed and developed under MOD Contracts and also to commercially developed articles and components.

4. The MDP shall reflect the build standard of the latest version of the production standard article under the contract.

J. Content and Composition:

1. The MDP shall document, either directly or by reference to generally available documents and as appropriate to the manufacturer of the article, the following:

a. Dimensional and tolerance data;
b. A description of the manufacturing processes1 called up in the drawings or referenced documents;
c. The sequence in which the article is to be assembled and the manufacturing processes (referred to in 8.b) above) applied;
d. Tolerance input and output characteristics;
e. Diagrams, including interface control diagrams;
f. Mechanical and electrical connections, including software interface data;
g. Physical characteristics, including form and finish;
h. Descriptions of materials1 used;
i. Inspection and test criteria;
j. Article calibration requirements;
k. Hardware and software marking requirements.

2. The MDP shall include as appropriate Detailed Requirements as per list below:

a. Product drawings, including assembly drawings;

b. Parts Lists, Data Lists and Index Lists;
c. Inspection and test schedules and/or production acceptance criteria;
d. Material specifications in the circumstances described in the footnote[1];
e. Treatment and other process specifications in the circumstances described in footnote 1;
f. Maskwork/artwork (PCBs);
g. Software product specifications;
h. Software contents lists;
i. Special to product tool and test equipment drawings (including associated firmware/software and calibration procedures), if the design and development of the tools and equipment has been funded by MOD under a Contract requiring the preparation of production standard drawings.

3. Note: Manufacturing processes (including heat treatment and protective processes), techniques and material specifications, which are proprietary to the Contractor or his suppliers and are self-standing in the sense described in paragraph 16 of Guidelines for Industry No 10 - The Application of Intellectual Property (IP) DEFCONs will not be provided. However, the MDP will identify the general nature of such proprietary processes/techniques and materials.

4. Special Cases: If in the view of the Contractor, the article or component is unlikely to be satisfactorily manufactured by a third party by reason of the omission from the MDP of data subject to third party rights, proprietary material and/or process specifications (see the Note above), or special to product tool and test equipment drawings (see paragraphs 2.a-i above) the Contractor shall so advise the Authority as soon as the Contractor becomes aware of the situation.

K. Contract Delivery Date

2. As specified in the Schedule of Requirements.

L. Update/Further Submissions

2. Will need to be updated to reflect the maturity of D-JFI up until the Out of Service Date.

M. Medium of Delivery

2. Electronic (MS Office Suite 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

3. Hardcopy for definitive versions.

N. Number of Copies

2. One Set shall be provided (one set being deemed as all documents necessary to meet the requirements of the referenced Def Stan and / or other referenced documents as above.

[1] All other material and process specifications will be provided (or a generally available document defining the material or process will be referenced in the MDP).

D-JFI DID 008 Packaging, Handling, Storage & Transportation (PHS&T) Report		
A. Unique ID: D-JFI DID 008 - PHS&T Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Use Study

3. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The Report is to take into consideration the Packaging Level Guidance contained in the Use Study.

2. To cover the packaging and labelling levels for the new Items of Supply including tools, test equipment and associated items.

3. To cover the handling, storage and transportation for the new items of Supply including tools, test equipment and associated items.

4. The Report should be included as an Annex to the Supply Support Plan.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. Def Stan 00-003: Design Guidance for the Transportability of Equipment Issue No.6 dated 28/02/2017

3. Def Stan 81-041 Parts 1 - 6: Packaging of Defence Materiel.

4. DEFCON 82: Special Procedure for Initial Spares dated 11/16.

5. DEFCON 117: Supply of Information for NATO Codification and Defence Inventory Introduction dated 10/13.

6. DEFCON 129: Packaging (for articles other than Munitions) dated 07/2019.

7. DEFCON 621A: Transport (If the Authority Is Responsible for Transport).

H. Purpose

1. To give confidence to the Authority that all items are included, and PHS&T is managed in accordance with the specification at section G.

I. Content and Composition:

1. Introduction - The Report should provide an explanation on the reasoning behind the selection of the packaging and labelling levels for the new Items of Supply as part of the D-JFI EBS, including tools, test equipment and associated items.

2. For all items of Supply for the D-JFI the PHS&T Report should detail the following information:

a. Details of any Special to Type Containers (STCs), and reusable containers required for the protection and transportation and storage of Repairable LRUs as they transit through the Authority's Supply Chain.

b. Labelling instructions on the packaging, including serial numbers of Repairable items and instructions to show which package is to be checked and accounted for, on the outer labelling of the package.

c. Details of equipment requiring in-store maintenance with details of the maintenance to be carried out.

d. Details of any Transport Limitations.

e. Details on the location, specification and 2D-barcoding the contractor will provide in 2D barcoding on Candidate repairable items.

f. Details of all Items of Supply requiring special environmental storage requirements (temperature, humidity, cleanliness) when packaged.

g. Provide management control processes to ensure all hazardous items, identified in the Disposal Hazardous Items Report, are packaged in appropriately labelled containers, clearly identified and supported by Material Safety Data Sheets.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

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. Number of Copies

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.

D-JFI DID 009 Initial Provisioning List (IPL)		
A. Unique ID: D-JFI DID 009 - IPL	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.
2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover the spares and S&TE that have been recommended by the Contractor to support the equipment.
2. To cover the Initial Support Period of three years.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.
2. DEFCON 82: Special Procedure for Initial Spares dated 11/16.
3. DEFCON 117: Supply of Information for NATO Codification and Defence Inventory Introduction dated 10/13.
4. DEFCON 129: Packaging (for articles other than Munitions) dated 07/2019.

H. Purpose:

1. To provide a list to agree with the Authority, the Range and Scale of Spares and S&TE for storing, warehousing and distribution within the Authority's Supply Chain. This will include Babcock-DSG agency for spares and materiel management, and Team Leidos Donnington for the warehousing and transportation of managed spares and materiel.

I. Content and Composition:

1. The IPL will contain categories of spares scaling requirements for consideration and include:
   a. Initial outfit of spares for operational support
   b. Initial outfit of spares for depot support
   c. Installation and setting to work spares
   d. Spares for support and test equipment
   e. Whole life buys
2. Draft IPL. After the first compilation of data the contractor provides the Draft IPL (preferably by electronic means) to the Customer. The Customer must review the contents of the Draft and make observations as required to the contractor. The Draft IPL is also used to initiate the NATO Codification process. Contractor to issue, PT-TTLS Manager to review.
3. Formal IPL. On receipt of the Customer's observations, the contractor will amend his database whenever he accepts the Customers observations. Additionally, the contractor will also incorporate the results of the codification process and will prepare the Formal IPL for presentation and consideration at the Pre- assessment Meeting.

4. Pre-assessment Meeting (PAM). PAMs are normally held at the Manufacturer's works, where he is required to make the equipment and engineering drawings available for inspection. The outcome of the PAM will be a set of agreed changes to the Formal IPL which will be incorporated into the Contractors database and issued as the Formal IPL. Formal IPL are normally produced in hardcopy. The contractor is responsible. The purposes of the PAM is to:

    a. Familiarise the Customer with the equipment to be supported.

    b. Review the Customer's observations on the IP Data and to agree any actions necessary.

    c. Review any NATO codification queries.

    d. Allocate any outstanding codes, including Customer-supplied codes.

    e. Approve the IP data.

5. Master IPL. The Master IPL is the final version of the provisioning documentation agreed by the Pre-Assessment meeting. It is used by the Customer to establish his Provisioning and Ordering Processes. The contractor is responsible.

6. Data Elements required in the IPL:

    a. Manufacturers Part Number

    b. Manufacturer

    c. NSN (if already codified)

    d. Short item name

    e. Unit of Issue

    f. Pre-packed quantity

    g. Materiel Accounting Classification Code (Provided by DE&S PT)

    h. Recommended base quantity

    i. Recommended deployed quantity

    j. Engineer Managed Item Indicator

    k. Periodic maintenance indicator

    l. Pre-issue inspection indicator

    m. Shelf Life Indicator

    n. Packaging level indicator

    o. STC indicator

    p. Storage requirements

    q. Calibration indicator

    r. Capital spare indicator

    s. Hazardous item indictor

    t. Electrostatic item indicator

    u. Estimated Item Price

v. Lifetime buy recommendations

w. Quality Assurance documentation indicator

7. Output. The main output of IP will be orders placed for the initial spares and S&TE as agreed on the final agreed IPL during the manufacture phase. These will need to be delivered to the customer prior to Logistic Support Date (LSD). Spares and S&TE may be required for installation, trials and setting to work prior to LSD.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

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. Number of Copies

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.

D-JFI DID 010 Priming Equipment Pack (PEP) Report		
A. Unique ID: D-JFI DID 10 - PEP Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI).System.

F. Scope:

1. To cover the period, it takes between the Force deploying and the Authority to establish logistic supply services.

2. To cover spares for the D-JFI system only. GF(A) spares are not in scope.

G. Specification:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. DEFCON 82: Special Procedure for Initial Spares dated 11/16.

3. DEFCON 117: Supply of Information for NATO Codification and Defence Inventory Introduction dated 10/13.

4. DEFCON 129: Packaging (for articles other than Munitions) dated 07/2019.

H. Purpose:

1. The purpose of the Priming Equipment Pack Report is to provide confidence to the Authority that the availability of spares is ready within the required readiness time.

I. Content and Composition:

1. The priming equipment pack report shall identify:

   a. A costed and available range and scale of spares and consumables required to support an operational deployment of the D-JFI system(s), for a given readiness and for a given duration whilst the inter and intra theatre Military Supply Chain is being established.

   b. Appropriate Packaging to enable deployed spares to survive the anticipated transportation and storage conditions under austere operational environments.

   c. Hazardous Items and associated handling and transportation requirements under ICAO Technical Guidance for the Transportation of Dangerous Goods by Air and the IMDG Code, 2018 Edition Amendment 39-18.

   d. The minimal logistics footprint to be considered by the contractor shall be 2 x D-JFI Systems operating at an average of 16 hours per day for 28 Days duration; the maximal logistics footprint being 4 x D-JFI Systems operating at an average of 16 hours for a 90-day duration.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update /Further Submission Requirements

1. None anticipated.
L. Medium of Delivery 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. Number of Copies 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.

D-JFI DID 011 Technical Documentation Management Plan		
A. Unique ID: D-JFI DID 11 - TDMP	A. Issue: 1.0	B. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI). System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Technical Documentation Management Plan (TDMP).

2. To cover all technical publications relating to both User and Maintainer.

3. 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.

4. In cases where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification of reasons for this DID to be removed from the Contract, in agreement with the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & part 3.

2. Def Stan 00-601, Part 4, MOD Business Rules – Contracting for Technical Documentation.

3. AESP 0100-P-001-010 - AESP POLICY GUIDE TO SYSTEM MANAGEMENT.

4. North Atlantic Treaty Organisation (NATO) Codification process.

H. Purpose:

1. To detail the procedures, terms, and conditions governing the planning, selection, preparation, and delivery of documentation required for the maintenance, operation, and training support of the D-JFI.

2. The TDMP will be used by the MOD to evaluate, monitor and accept the production of the contractor's technical documentation.

I. Content, Product Composition of the Plan

1. The TDMP shall include (as applicable):

   a. A description demonstrating how the information form the Supportability Analysis, operational requirements, engineering, operator and test data will be used to develop the documentation set.

   b. Methods for achieving consistent and common use of data.

   c. Use of standards and specifications, specifically Def Stan 00-601 Part 4. However, AESP 0100-P-001-010 AESP POLICY GUIDE TO SYSTEM MANAGEMENT must be used in conjunction with the above Def Stan.

d. A statement regarding the reuse, adaptation or amendment of extant MOD or Commercial documentation.

2. A resourced schedule for the development and delivery of the Technical Documents which shall detail:

a. How the integration and associated activity, and subcontractors' efforts, are related and controlled.

b. Documentation development plan and approval procedures.

c. Preliminary documentation development and distribution methods.

d. Verification and authorisation procedures.

e. Progress reporting.

f. Identification of risks to the successful completion of the documentation effort, particularly those factors not within the control of the technical documentation organisation, and associated proposals for risk containment.

3. Systems for storage and retrieval of data and method to prevent duplication of data already developed.

4. Procedures for the Change Management, Configuration Management and control of classified documentation.

5. Descriptions of each deliverable or groups of deliverables which shall include:

a. References to specific sections of the applicable specification to indicate the extent of compliance and non-compliance with the requirements.

b. Any special features or innovations of this documentation programme.

c. Projected requirements for new presentation techniques based upon peculiarities of equipment configurations and design.

d. Procedures used to ensure the schedule for release of documentation recognises any interrelated document dependencies.

e. An indication of the guidance sections that shall be treated as mandatory shall be identified as an annex to the TDMP.

6. The TDMP shall detail the timescale for delivery of the following as required:

a. Data Modules Requirements List (DMRL) (ref).

b. Final Deliverable (IETP) (ref).

c. Delivered Publications Data Base (DPDB) (ref).

d. Final Publication Data Base (FPDB) (ref).

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 011a – Data Module Requirements List		
A. Unique ID: D-JFI DID 11a -DMRL	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI). System.

F. Scope:

1. This Data Item Description (DID) identifies and describes the Data Module Requirements List (DMRL).

2. 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.

3. In cases where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification of reasons for this DID to be removed from the Contract, in agreement with the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Issue No 4 dated 28/11/2016.

2. ILS Statement of Work (SOW).

3. DEFCON 82.

4. North Atlantic Treaty Organisation (NATO) Codification process.

H. Purpose of the Data Module Requirements List

1. The DMRL forms part of the Technical Document Management Plan (TDMP) and is derived in part from the LIR, Descriptive information and Operator requirements.

2. The DMRL shall be raised and issued to the MOD after the initial issue of the LIR and updated thereafter at each subsequent issue of the LIR, change to design or operational characteristics.

I. Content, Product Composition of the List

1. General. The information to be presented for each DM shall consist of the following as a minimum:

   a. DMC (Data Module Code).

   b. DM title. Documentation Reference (Where DM will be used in an IETP environment, this should detail that reference and the reference of any other deliverables. Note where a DM is used in more than one place each reference shall be given).

   c. Issue Number.

   d. Issue Date (This should be the date the DM was issued).

   e. QA Status of the DM.

f. Classification of the DM. g. Source LCN.
J. Contract Delivery Date 1. As specified in the Schedule of Requirements.
K. Update / Further Submission Requirements 1. The format shall be as detailed at time of contract. The content of the DMRL shall include all Data Modules (DM) required to support the equipment. 2. This section shall contain a glossary of all acronyms and special terms, or words used in the text.
L. Medium of Delivery 1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media. 2. Hardcopy for definitive versions.
M. Number of Copies 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).

D-JFI DID 011b – Final Deliverable Interactive Electronic Technical Publication		
A. Unique ID: D-JFI DID 11b - IETP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI). System.

F. Scope:

1. This Data Item Description (DID) identifies and describes the Final Deliverable Interactive Electronic Technical Publication (IETP), which consists of the Final Publication Database (FPDB) with all the necessary links implemented and output formatting instructions incorporated.

2. 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.

3. In cases where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification of reasons for this DID to be removed from the Contract, in agreement with the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Issue No 4 dated 28/11/2016.

2. ILS Statement of Work (SOW).

H. Purpose of the Interactive Electronic Technical Publication

1. The format and content required for the production of the Final Deliverable IETPs is given in AECMA S1000D, as amplified by Defence Standard 00-600, with further guidance provided on the Authority ILS web site.

2. This section shall contain a glossary of all acronyms and special terms or words used in the text.

I. Content, Product Composition

1. General. There are 3 basic types of Final Deliverable IETPs (IETP-L (Linear), IETP-D (Database), IETP-I (Integrated)) which can be derived from a Def Stan 00-600 compliant Publications Database. These are as detailed in AECMA S1000D.

2. The type of IETP to be delivered shall be as specified within the contract.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.
M. Number of Copies 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).

D-JFI DID 011c – Deliverable Publication Data Base		
A. Unique ID: D-JFI DID 11c - DPDB	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI). System.

F. Scope:

1. This Data Item Description (DID) defines a Deliverable Publication Data Base (DPDB). The DPDB is the master database of all Data Modules (DM) that have been created or selected for use in support of a specific equipment or project.

2. 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.

3. In cases where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification of reasons for this DID to be removed from the Contract, in agreement with the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Issue No 4 dated 28/11/2016.

2. ILS Statement of Work (SOW).

H. Purpose of the Deliverable Publication Data Base

1. The DPDB shall contain all DM required to maintain, support and operate the contracted equipment.

2. This section shall contain a glossary of all acronyms and special terms or words used in the text.

I. Content, Product Composition

1. The content of the DPDB shall be all DM applicable to the equipment / project and shall be in compliance with the Def Stan 00-600 DMRL (further guidance is available on the MOD ILS web site).

2. The type of IETP to be delivered shall be as specified within the contract.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.

M. Number of Copies

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).

D-JFI DID 012 Obsolescence Management Plan		
A. Unique ID: D-JFI DID 12 - OMP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. Integrated Logistics Support (ILS) Plan.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator.

F. Scope:

1. This Data Item Description (DID) contains the purpose, format and content instructions to produce the Integrated Logistic Support (ILS) Obsolescence Management Plan (OMP).

2. The OMP shall define the organisation, schedule and methodology to ensure that Obsolescence Management (OM) functions are planned and accomplished in a timely and effective manner.

3. To cover all items and equipment of the D-JFI system including ancillaries and Support & Test Equipment.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. BS EN 62402:2019 - Obsolescence Management dated 15/07/2019.

H. Purpose:

1. To manage the loss, or impending loss of manufacturers or suppliers of components, assemblies, sub-assemblies, piece parts, and material (hereafter referred to as 'parts and / or material' as required by BS EN 62402:2019).

I. Content and Composition:

1. The OMP shall include:

   a. An outline of the OM programme and the plan for its implementation.

   b. A description of the internal obsolescence management and its interface with other functions within the organisation.

   c. A description of the flowing down of the Authority's obsolescence requirements to sub-contractors / suppliers.

   d. The process through which obsolescence issues are reported and managed throughout the supply chain which includes a case resolution process.

   e. An OM Process Model which shall include the Obsolescence Risk Identification Process, Management Process and the Reporting Process in the form of an Obsolescence Register. The Obsolescence Register shall contain comprehensive design detail or have references out to this detail. Illustrative details of the data headings to be supplied within the Obsolescence Register shall be contained as an Annex to the Obsolescence Management Plan. The final format of the Obsolescence Register shall be agreed between the Contractor and the Authority.

   f. A description of the process through which occurred or predicted obsolescence instances are identified and assessed and that the proposed resolution option is both the best value for money and the most appropriate through life capability sustainment option.

g. A description of the process which integrates the OM process with that of Technology Management against the industry technology roadmap.

h. A description of the process through which to monitor, plan and implement corrective action to mitigate obsolescence risk associated with legislation and environmental change impacts.

i. A description of the process through which the design incorporates features (e.g. the use of Open Systems Architecture to enable employment of available technologies) which shall make software and hardware independent as technically feasible.

j. A proposal for a process that will facilitate the transfer of any necessary obsolescence data to the Authority for the In-Service Phase, that will give the Authority the ability to monitor and mitigate obsolescence. This is to ensure that all Contractor known and forecasted obsolescence issues have been identified and have mitigation plans, so that the Authority is not left with an unsupportable system due to obsolescence at Planning Assumption Service Entry (PASE).

k. An Obsolescence Management Report template set out as described in DID 012a and contained as an annex to the OMP.

l. A glossary of all acronyms and special terms or words used in the text.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. The OMP shall be updated, in accordance with the Contract Data Requirements List (CDRL), to reflect changes to the Plan because of the maturing D-JFI design.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 012a Obsolescence Monitoring Report		
A. Unique ID: D-JFI DID 12a - OM Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover any obsolescence risks that could impact system availability of the D-JFI through to its OSD.

2. This Data Item Description (DID) contains the purpose and requirement for the format and content of the Obsolescence Monitoring Report.

3. 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. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. BS EN 62402:2019 - Obsolescence Management dated 15/07/2019.

H. Purpose:

1. Provide a mechanism to record obsolescence risks and recommendations for mitigation action.

2. Be used as a body of evidence to support resolution recommendations.

I. Content and Composition:

1. The report shall cover:

   a. Details of any equipment / component obsolescence risk and any planned mitigation

   b. How this process is applied to the Contractor's Supply Chain

   c. How the Obsolescence Risks will be reported under the terms of any CLS Contract.

   d. Equipment/component inventory items that pose concern and how they will be managed, either Reactively or Proactively

   e. The impact of any legislative changes, technological advances, Suppliers ability to meet demand and availability of stock

   f. Resolution recommendations for urgent obsolescence issues.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 013 DRACAS Report		
A. Unique ID: D-JFI DID 13 - DRACAS Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover technical analysis of all D-JFI equipment failures, initially to support design Reliability and Availability (if applicable), and then as part of any on-going CLS programme.

2. This Data Item Description (DID) contains the requirement for the format and content of the Data Reporting, Analysis and Corrective Action System (DRACAS) Report.

3. 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. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & Part 2.

H. Purpose:

1. To assist in the Design Upkeep and Update of D-JFI. Any improvements to be considered for implementation are based on the optimal engineering and functional performance and cost parameters. It also assists in:

   a. Reliability Performance Monitoring.

   b. Trend Analysis.

   c. Evidence for Incident Investigations and analysis to aid corrective action decisions.

   d. Evidence for Sentencing Panels in making sentencing decisions.

   e. Documentary evidence of proof of close out of the incident and / or sentence is completed.

   f. Evidence for Implementing Change / Updates as part of Post Design Services (PDS).

I. Content and Composition:

1. The DRACAS Report shall provide as a minimum:

   a. Equipment / component details including NSN, Description, Part Number and next higher assy.

   b. Narrative description of the failure and circumstances under which it occurred. (Either taken for the Contractors' or User Equipment Failure Reports).

   c. Equipment / System Usage figures hours – (if available).

   d. Decision as to whether the failure is attributable or non-attributable.

e. Narrative describing the results of the failure investigation and any subsequent repair action. f. Identification of any trend data, i.e. previous occurrences of a similar nature. g. Recommendations for any corrective action that needs to be taken to prevent a reoccurrence.
J. Contract Delivery Date 1. As specified in the Schedule of Requirements.
K. Update / Further Submission Requirements 1. None anticipated.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 015 Reliability Demonstration Plan (RDP)		
A. Unique ID: D-JFI DID 15 - RDP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover the scope, conduct, interpretation and consequences of tests needed to determine if the equipment meets or exceeds the reliability requirement.

2. 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.

3. Where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification and data sources for supplying the Authority with the DID data and information, for agreement by the Authority.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part1.

2. Def Stan 00-042 Reliability and Maintainability Part 7: Reliability Testing, 14 June 2019.

H. Purpose:

1. To enable the Authority to understand the scope of any tests, their conduct, interpretation and consequences.

2. To determine if the reliability of production standard equipment tested under agreed in-service environmental, operational, usage and support conditions meets or exceeds the reliability requirement.

I. Content and Composition:

1. The RDP should describe in detail:

   a. The evidence (previous test results, certification, in use data etc) that will be provided to demonstrate reliability without the requirement to repeat testing, with reference to the VVRM and ITEA schedule where appropriate.

   b. Objectives and definitions of any test along with its pass and fail criteria.

   c. The build standard, quantity and maturity of the items under test.

   d. A schedule detailing the testing.

   e. Details of the resources required to support the testing regime.

   f. Methodology to be followed when conducting the test, the collection and analysis of test results.

   g. Test requirements and how the requirements are to be met

h. Failure definitions and the processes for sentencing incidents as attributable or non- attributable to the tests being conducted.

i. Benefits of successfully passing the test.

j. Fall-back / contingency plan to be implemented in the event of failing to pass the test.

2. A Reliability Demonstration Test (RDT) template set out to cover the areas defined at Section H2 contained as an annex.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. No further updates are anticipated.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 016 Safety Environmental Management Plan (SEMP)		
A. Unique ID: D-JFI DID 16 - SEMP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Safety & Environmental Management Plan (SEMP).

2. To cover the lifecycle of the PSS within the scope of analysis.

3. Should address the core principles of systems engineering and safety management.

4. 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. Specification:

1. Def Stan 00-056: Safety Management Requirements for Defence Systems, Part No 1 Issue No 7, "Requirements and Guidance" dated 28/07/2017.

2. Def Stan 00-056: Safety Management Requirements for Defence Systems Part No 2 Issue No 5 "Guidance on Establishing a Means of Complying with Part 1" dated 28/07/2017.

H. Purpose:

1. To identify the agreed scope of contract, including the scope of equipment analysis and supply.

2. To identify primary and ancillary Product, Services or Support (PSS), e.g. test equipment as well as the main deliverables, where they are safety-relevant. It should identify critical dependencies on externally supplied, PSS, e.g. GFA;

I. Content and Composition:

1. Shall contain information on the following topics:

   a. Applicable Legislation and Regulations.

   b. High level description of the system.

   c. Tolerability criteria.

   d. Safety and environmental Strategy.

   e. Safety and environmental Requirements.

   f. Organisation and Responsibilities.

   g. Plans and Milestones.

h. Analysis Methods.

i. Risk Assessment and Acceptance methods.

j. Development Methods.

k. Interfaces.

l. Information Management.

m. Safety environmental Reporting.

n. Safety and environmental Audit plan.

o. Change Management.

p. Deliverables.

2. The SEMP shall contain detail for key elements of the above topics, and refer out to other documents as appropriate, e.g. the disposal plan may be included in the SEMP of the system into which the PSS is to be integrated.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 017 Safety Case Part 2 and Associated Hazard Logs		
A. Unique ID: D-JFI DID 17 - SC2	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Safety Case Part 2 and Associated Hazard Logs.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. Def Stan 00-56: Safety Management Requirements for Defence Systems Part 1 & 2 dated 28/2/17.

H. Purpose:

1. To provide sufficient evidence and argument from the contractor that the system can meet the safety and environmental requirements established in the SRD and Part 1 safety and environmental case.

I. Content and Composition:

1. Shall cover the following areas:

   a. Scope.

   b. Identified hazards and related accidents.

   c. Assumptions, dependencies and limitations.

   d. Context of use.

   e. Unusual aspects of the Systems' design.

   f. Safety justification.

2. The Hazard Log shall provide the following detail:

   a. Accident Data.

   b. Hazard Data.

   c. Risk Classification.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Subjected to formal annual review at Safety committees and safety incidents to ensure applicability and updated through life when endorsed by committee.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 018 Disposal Plan		
A. Unique ID: D-JFI DID 18 - DP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

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. Recovery and recycling of critical materials, and

e. 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. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. JSP 248 Assets Subject to Special Controls (ASSC).

3. The Waste Electrical and Electronic Equipment (WEEE) (Waste Management Licensing) (England and Wales) Regulations 2006 SI No. 3315.

H. Purpose:

1. To provide the Authority with the detailed technical data against the D-JFI Bill of Materials; in order that the Authority can safely and cost effectively dispose of the D-JFI equipment throughout its life.

2. To provide accurate information for the use of Defence Equipment Sales Authority (DESA) to enable them to manage disposal safely and effectively.

I. Content and Composition:

1. The DP shall include as a minimum but is not limited to:

a. Identification of all items requiring special disposal.

b. A report listing all hazardous items/materials that are to be incorporated into the system.

c. Details of activities required to carry out safe disposal of hazardous items/materials.

d. Cost estimates of activities to carry out disposal activities.

e. Life expectancy of all hazardous items f. Current and future known legislation applicability. g. Safety and security aspects regarding disposal and handling of hazardous materials. h. Control of Substances Hazardous To Health (COSHH).
J. Contract Delivery Date 1. As identified in the Project Schedule.
K. Update / Further Submission Requirements 1. Subjected to formal annual review at Safety committees and safety incidents to ensure applicability and updated through life when endorsed by committee.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 019 Supportability Test, Evaluation and Verification (STEV) Plan		
A. Unique ID: D-JFI DID 19 - STEV Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover Supportability requirements for System Hardware, software, firmware, integration, documentation, training and logistics.

2. This Data Item Description (DID) contains the purpose and requirement for the format and content of the Supportability Test, Evaluation and Verification Plan.

3. If there is no data or text requirement in the Contents and Composition Section listed at Section I, the Contractor shall enter 'NOT-APPLICABLE', with a justification for the reason.

G. Contracted Def Stan / Policy:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & Part 2.

2. DLF - Manage ILS Verification and Validation Activity.

3. KiD - GP 2.1 Guidance.

H. Purpose:

1. To provide confidence to the Authority that the Contractor can achieve the specified Supportability Requirements of the D-JFI System, covering:

   a. Hardware

   b. Software

   c. Firmware

   d. Integration

   e. Documentation

   f. Training

   g. Logistics.

I. Content and Composition:

1. The STEV Plan is to include

   a. Reasons for deviations from requirements and identify methods of correcting deficiencies and enhancing system readiness.

b. Detail on how the Contractor will demonstrate to the Authority that the D-JFI is supportable and meets the requirements of the Integrated Test & Evaluation Plan, System Requirements Document and the Verification Cross Reference Index.

c. Item of Supply information and Initial Provisioning details for any new or additional S&TE for repair Level 1, 2 and 3.

d. A S&TE Report detailing the process for verifying and evaluating whether S&TE items are required; including any calibration, testing and upkeep procedure to ensure S&TE is serviceable and fit for purpose for the through life upkeep of the D-JFI system.

e. Item of Supply information and Initial Provisioning details of any new and/or additional S&TE for repair Levels 1, 2 and 3.

f. An Evaluation Matrix detailing the STEV.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 020 Quality Plan		
A. Unique ID: D-JFI DID 20 - QP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Quality Plan.

2. 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. Specification:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. JSP 940: MOD Policy for Quality.

H. Purpose:

1. To:

   a. Provide confidence against the Specifications as listed in Section G.

   b. Provides confidence that the Contractor will implement the Contractual scope of work through life to specified quality standards to maintain:

      1) Safety and Operational Integrity of the Product.

      2) Technical baseline and configuration of the Product.

      3) Monitoring control and acceptance of the Contractor's Quality Management Control procedures and Systems.

I. Content and Composition:

1. Introduction. Describes the approach, processes, controls and procedures that will be applied by the Contractor in the Obsolescence programme, including:

   a. Approach. Describes the approach to the development, transitioning and acquisition, maintenance and support of software and hardware, and eventual disposal arrangements of the Product.

   b. Safety. Describes the software and hardware functions / items of the Programme being developed and procured to a suitable agreed process, for adoption of safety related methods and Safety Integrity Level (SIL) testing/validation.

   c. Security. Describes the Contractor's intended approach to meet the Authority's security requirements that need to be applied to the Programme and its deliverables.

   d. Controlling Documents. Describes the Contractor's element of controlling documents that are included in the Quality Management System (QMS), including their handling and retention controls.

e. Organisation and Skills. Describes the Contractor's Organisation and Skills employed as part of the Product's and Programme's QMS.

f. Supplier Management. Describes the approaches applied to sub-supplier selection, flow–down of contractual conditions, monitoring of performance and audits.

2. Goals and Objectives. Describes the Contractor's QMS related to Objectives and Goals of the Programme.

3. Scope. Describes the Contractor's scope of work relating to the QMS in delivery of the Schedule of Requirements.

4. Procedures. Describes how supporting documents fulfil the QMS and activities, covering:

a. Estimating.

b. Project Tracking.

c. Transition Management and Manufacture Phases.

d. Configuration Management of the Product.

e. Communication Management.

f. Work Delegation.

g. Procurement Management.

h. Managing Change Requests.

i. Tracking Outstanding Issues.

j. Validating and approving documentation.

k. Risk Management.

l. Governance and associated meetings.

m. Tasking and Post Design Services (PDS).

n. Performance monitoring.

o. Customer satisfaction assessment, feedback.

p. Resolving Disputes.

5. Lifecycle Product Management. Describes the various stages in the lifecycle, linked to key reviews, safety gates and releases. It includes processes linked to support during through life support.

6. Non-Conforming Products. Describes the Contractor's processes undertaken in relation to receipt of non-conforming products and how avoidance of counterfeit material entering the Supply Chain is maintained.

7. Lifecycle Support Processes. Describes the underlying processes and disciplines which operate regardless of project lifecycle phase.

8. Quality Assurance. Describes how all the various assurance activities operate together.

9. ISO Certification. JSP 940 Part 2 states prospective contractor's requirements about QMS certification; if the current certification held is ISO 9001:2008 the Quality Plan shall address identified risks associated with transition of their QMS to ISO 9001:2015 status. 10. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms used in Plan.
J. Contract Delivery Date 1. As identified in the Project Schedule.
K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 021 Software Support Plan		
A. Unique ID: D-JFI DID 21 - SSP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted-Joint Fires Indicator (D-JFI).

F. Scope:

1. This Data Item Description (DID) contains the purpose and requirement for the content and composition of the Software Support Plan.

2. The term 'Software Support' shall be taken to mean all the software, hardware, firmware, personnel and other resources required to:

   a. Correct a deficiency or design error.

   b. Incorporate an enhancement.

   c. Respond to a hardware change/update.

3. 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. Specification:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1, Part 2 and Part 3.

2. DLF Software Support Policy: DS&EQT Software Team Guidance for Software Support.

H. Purpose:

1. The purpose of the SSP is to:

   a. Provide confidence against the Specifications as listed in Section G.

   b. Provide documented evidence in the Contractor's software support planning, for the through life upkeep and design of the Product, which can load, recover, modify and update software in a timely fashion, as far forward as possible, to sustain capability.

   c. Identification of the applicable software support functions that are applicable to the Product, including the change management control.

   d. Identification of appropriate and measurable software support performance indicators, for inclusion as part of the management and monitoring regime, for agreement by all parties.

   e. Establishing the effective and efficient software support solution that can be sustained through life that evolves, with the overarching Product configuration design.

I. Content and Composition:

1. Introduction. This shall describe the scope of the software support planning being conducted by the Contractor, including how the Contractor intends to conduct reviews in agreement with the Authority.

2. Applicability. This shall describe what functions of the design are applicable for support and potential candidates for 'Change' control.

3. Scope of Support. The SSP shall detail the scope of Contractor effort and support management processes in the following areas:

a. Methodology used in defining the Upkeep and Update software modification requirements.

b. Upkeep and Update software support activities that should have been derived through the Contractor's Software Support Analysis (SSA).

c. Maintenance Upkeep events recommended by the Contractor.

d. Operational Upkeep, applicable to:

1) Software configuration including Operational parameters, granting and setting User rights, performance parameters, path information, other interfaces and connections.

2) Downloading and Re-loading of Software into the Product.

4. Testing and Corrective Changes. The SSP shall detail the Contractor's testing and corrective change management control and processes relating to:

a. Replicating faults to raised Incidents and observations.

b. Recovery problem reporting and identification of failures to raised Incidents and observations.

c. Handling, Storage and Copying of Software.

d. Software recovery includes all activities of basic diagnostic and simple recovery actions such as a reboot / restart including instances where there is a software shutdown.

e. Rectification of faults, observations both permanent and temporary. Temporary rectification will result in either downgrading of the system and/or function or a change to User process.

5. Performance Monitoring. The SSP shall detail the Contractor's management control and turnaround times in response to User raised Incidents or Observations, for agreement by the Authority. This shall include:

a. Trend Analysis of performance and extraction of engineering software data.

b. Technical Support, applicable to Corrective, Adaptive, Enhancement and Perfective:

1) Changes to the Product and Software Configuration.

2) Changes to the firmware, parent software and / or other related interfaces.

3) Changes in technology of interoperability systems and / or functions.

4) Software installation.

5) User help desk including answering of queries.

6) Providing Technical Guidance, instructions.

7) Security Issues and / or guidance.

8) Emerging Obsolescence Issues.

9) Critical and / or Safety Incidents.

6. Software Change Management. The SSP shall detail how the Contractor intends to manage the Change management of the Product, relating to:

a. Configuration Management control ensuring the Product has the correct version of approved software. This shall also include the configuration control of future Product builds and the process for approving each version control for Release to the User community.

b. Prior to any release the effects of any modification or change is fully assessed against their impact on the System software and User interaction.

c. The release of software is managed including its impact on system software.

d. Change control processes and the governance of controlling and accepting Upgrade(s) and / or modification, with the agreement of the Authority.

e. Disposal of Software, including the Contractor's process and interface with the Authority's responsibilities. This shall include the tasks that are to be performed and by whom in the safe and secure disposal of software.

f. How urgent and routine changes will be prioritised, managed and released to the User community.

7. Change Impact Assessment. The SSP shall detail the Contractor's Analysis and controls on understanding what the Impact of the Change could have on:

a. Software design and code.

b. Safety.

c. Security.

d. Training.

e. Documentation.

f. Usability.

g. Supportability.

h. Hardware.

i. Testing.

j. System Configuration.

k. Interoperability.

l. Project Infrastructure and supported environments.

8. Quality Statement. Quality statement outlining the Contractor's approach to Software Support.

9. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms used in the Plan.

J. Contract Delivery Date 1. As identified in the Project Schedule.
K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 022 Support & Test Equipment Plan		
A. Unique ID: D-JFI DID 22 - S&TE Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover the Contractor's management processes and Organisation used in the designing, developing, identifying, delivering and up-keeping of S&TE for the Product.

2. 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.

3. In cases where the Contractor recommends to the Authority, for the tailoring out of this DID. The Contractor shall provide the detailed justification of reasons for this DID to be removed from the Contract, in agreement with the Authority.

G. Specification: The Plan shall reflect the requirements as specified in the:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

2. Contract Data Requirements List (CDRL).

H. Purpose:

1. Provide confidence against the Specifications as listed in Section G.

2. Detail the management, organisation, methodology and tasks that are performed to conduct the assessment and identification of Support & Test Equipment activities.

3. Ensure the Product is provided with the correct level of S&TE in agreement with the Authority.

I. Content and Composition:

1. Introduction. This shall provide an overview the Contractor's management processes and Organisation used in the designing, developing, identifying, delivering and up-keeping of S&TE for the Product, which is in-scope for the Authority to operate, maintain and handle, this includes:

   a. Applicability. The Contractor's method in the selection of S&TE that will be applicable for the Product, in agreement with the Authority.

   b. Equipment Tables. The Contractors process in identifying the Range and Scale of S&TE for the Authority to agree and procure.

2. S&TE Requirements. This shall cover the Contractor's management process to:

   a. Existing S&TE. Minimise the likelihood of new S&TE being procured for the Product and utilise existing S&TE held by the Authority.

   b. Maintenance. Describe the overview burden in the upkeep and maintenance regime of the S&TE, including any diagnostic, calibration, servicing and handling requirements. This shall also detail how

this detailed information will be transmitted to the Authority and data location of the information, for insertion into the Technical documentation.

c. Human Factors. Describe the activities the Contractor performed to ensure S&TE and its use will minimise the human factor risks in all areas, to promote safe, efficient and reliable Operation.

d. Performance & Specifications. Detail the characteristics, performance and specifications of the S&TE being recommended by the Contractor, for the Product.

e. Automatic Test Equipment. Assess the impact on the Support Solution, where ATE is identified in the scope of S&TE by the Contractor and / or as part of the LORA. Where ATE is identified this shall detail how the Authority will be provisioned with Automatic Test Mark-up Language (ATML) Test performance Sets (TPS), for hosting on the Authority's legacy ATE or future ATE capability.

3. Data Submissions. This shall detail how the Contractor intends to transmit and flow S&TE data fields in relation to:

a. Codification Information.

b. Initial Provisioning Information.

c. Technical Documentation Information.

d. Training & Training Equipment Information.

e. Documentation.

f. Maintenance Information.

g. Packaging, Handling & Transportation Information.

h. Storage & Warehousing Information.

4. Explanation. This shall describe the Contractor's justification in why the S&TE is recommended, including:

a. A description of the requirement of, and justification for any proposed new Support Equipment.

b. A description of the requirements for hand tools, mechanical test equipment and electrical / electronic test equipment.

5. Validation & Acceptance. This shall describe the Contractor's intended method to Validate S&TE, for agreement and acceptance by the Authority.

6. Quality Statement. Quality statement outlining the Contractor's approach to Quality Assurance (QA).

7. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms used in S&TE Plan.

8. S&TE Report. A report to be included as an annex to the Plan containing information as detailed in DID 022a.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies 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).

D-JFI DID 022a Support and Test Equipment Report		
A. Unique ID: D-JFI S&TE Report	B. Issue: 1.0	C. Issue Dae:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.
2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Support and Test Equipment Report.
2. To cover all tools and test equipment required for use in the testing and repair of the complete D-JFI system excepting items of standard equipment already in use by REME Technicians.
3. 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. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.
2. DEFCON 82: Special Procedure for Initial Spares dated 11/16.
3. DEFCON 113: Diversion Orders dated 02/17.
4. DEFCON 117: Supply of Information for NATO Codification and Defence Inventory Introduction dated 10/13.
5. DEFCON 129: Packaging (for articles other than Munitions) dated 07/2019.

H. Purpose:

1. To identify to the Authority, all items of specialist Support and Test Equipment required to support the Maintenance Tasks identified as part of the Level of Repair Analysis (LORA).

I. Content and Composition:

1. The report should provide a list of recommended S&TE to include:
   a. General Purpose Electronic Test Equipment (GPETE)
   b. General Purpose Hand Tools (GPHT)
   c. General Purpose Mechanical Test Equipment (GPMTE)
   d. Special To Type Test Equipment (STTE)
   e. Special To Type Hand Tools (STH)
   f. Ancillary Support Equipment
2. For each item of S&TE:
   a. A detailed justification of why the equipment is required referring to the MTA and LORA.

b. Procurement information, including: Supplier Information, Cost and Lead time.

c. Recommended Initial sparing quantities.

d. Codification data in accordance with DEFCON 113 and DEFCON 117.

e. Identification of any additional user training requirements.

f. Details of any Calibration, retest or maintenance required.

g. Packaging Handling and Storage Requirements.

h. Safety Issues generated through use / operation.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update/Further Submission Requirements

1. Subjected to formal annual review at Safety committees and safety incidents to ensure applicability and updated through life when endorsed by committee.

L. Medium of Delivery

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. Number of Copies

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 in above).

D-JFI DID 023 Reliability Centred Maintenance Report		
A. Unique ID: D-JFI DID 23 - RCM Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover the RCM analysis carried out by the Contractor.

G. Contracted Def Stan / Policy:

1. Def-Stan 00-600: ILS Requirement for MOD Projects Part 1 and Part 2.

2. Def Stan 00-045: Part 3 Issue 3.

H. Purpose:

1. To advise the Authority of the results of the RCM programme and for determining contractual compliance.

I. Content and Composition:

1. The RCM Report shall provide the information described below:

   a. Description of the RCM analysis performed.

   b. Results of the RCM analysis performed.

   c. Details of how the RCM analysis has been monitored.

   d. How the data obtained has been verified and validate.

   e. A list of all references regarding Policy and warranty obligations together with any examples in which the RCM analysis may challenge Policy.

   f. A list of all preventative maintenance tasks including internal batteries.

   g. Recommendations for generation and update of the AESPs to reflect current design.

   h. The Contractor worksheets selected as part of the RCM analysis shall form the basis of the RCM report.

J. Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies 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).

D-JFI DID 024 Facilities Report		
A. Unique ID: D-JFI DID 24 - Fac Report	B. Issue: 1.0	C. Issue Date:
D. Related Information: 1. D-JFI Integrated Logistics Support (ILS) Plan. 2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.		
E. Equipment / Equipment Subsystem Description 1. Dismounted Joint Fires Integrator (D-JFI) System.		
F. Contracted Def Stan / Policy: 1. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.		
G. Scope: 1. To consider the dimensions of the system when fully equipped in the combat ready state as defined in the System Requirements Document (SRD). 2. To include facilities required to store and maintain spares or other special stores to repair the equipment or to carry out maintenance tasks. 3. The Facilities Report shall be delivered during the Assessment Phase in accordance with the Contract Data Requirements List (CDRL). This Report shall document the analysis results and evaluations conducted. 4. 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.		
H. Purpose: 1. To identify and define any new or modified facility requirements to allow minimisation, if possible, or to give early notification to plan for future requirements and budgets.		
I. Content and Composition: 1. The Facilities report shall be based on data contained in the Logistic Information Repository (LIR) and include: a. Details of how Facilities aspects for D-JFI were identified and justified. b. Details of the Facilities requirements for the maintenance and servicing of D-JFI Systems and storage requirements for End Items. The details shall address the following subjects per System / End Item: 1) Maintenance requirements to support Level 1, 2 and 3 maintenance activities. 2) Inspection and Servicing requirements (with details of waste materiel storage). 3) Mechanical, electrical, electronic and specialist maintenance areas e.g. clean rooms, Electro-Static Sensitive Devices (ESSD) areas etc. 4) Utility requirements e.g. high pressure air, electrical power, earthing arrangements. 5) Exhaust ventilation and other legislative exhaust ventilation for hazardous tasks.		

6) Safety facilities required because of D-JFI System task activity (e.g. drench shower for decontamination purposes).

7) Static maintenance equipment (e.g. lifting equipment, oil and coolant dispensing systems and battery charging facilities (detailing all charging equipment)).

8) Security requirements for Systems and End Items requiring storage.

2. The contractor shall provide technical data for the Controlled Humidity Environment (CHE) to be used (if applicable), including the following:

a. CHE drying heat source.

b. CHE power consumption.

c. Adapters for hose connections.

3. If Special To Type Support and Test Equipment is justified and approved by the Authority, the details of these items shall be supplied, together with:

a. The Special To Type Support and Test Equipment.

b. Technical Publications in Hard and Soft Copy to include servicing and inspection details.

c. Frequency of test and calibration (if required).

d. Details and supply of Support and Test Equipment to conduct inspection, set up, test and calibrate if these items are not within the Authority inventory (and if they are within the Authority inventory but not available for D-JFI use).

e. Inspection and calibration certificates (if applicable).

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 025 In-Service Support Proposal		
A. Unique ID: D-JFI DID 25 - ISSP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. Covers the product support to maintain the design and facilitate design investigations and improvements throughout the life of the equipment.

2. The ISSP facility operates within an Integrated Logistic Support (ILS) environment and as such will cover all D-JFI assets including support equipment. When modifications / enhancements are planned then they also will address the need to upgrade / modify such ILS derived products.

3. The Contractor shall provide a Costed Option as part of the DM&I proposal. This contracted option will be reviewed as part of the DM&I ITN to evaluate the design and delivery activities. The ISSP shall require further analysis to confirm the ISS needs during the D&M Phases.

4. As part of the ISS proposal the Contractor is to evaluate the optimum solution for Level 4 maintenance for each item within the Equipment Breakdown Structure.

G. Contracted Def Stan / Policy:

1. Def-Stan 00-600: ILS Requirement for MOD Projects Part 1 and Part 2.

H. Purpose:

1. To provide the necessary support to enable D-JFI to meet the peacetime and operational surge requirements detailed within the Initial Reliability and Maintainability (R&M) Case.

2. Gives confidence to the Authority that modification programmes of embedded software systems affected by rapid technological change are well planned to manage modernisation and ensure continued compatibility.

I. Content and Composition:

1. The Authority Maintenance Strategy defines the maintenance philosophy to be applied to D-JFI. It provides the guidance and rationale for the Contractor to generate an ISS proposal and subsequent Contract.

2. The proposal is to identify the issues surrounding the provision of ISS through life. The proposal is to ensure coherence with the Through Life Technology Management and Through Life Capability Management activities required for a long-term project such as D-JFI.

3. The ISS proposal shall be structured in a manner which readily describes the support required, specifically it shall contain three sections:

   a. In-Service Support.

   b. Post Design Services.

   c. Supporting Analysis and Evidence.

4. The proposal shall be structured in a manner to reflect the ISS requirements, provide supporting analysis and evidence, and identify the following, as a minimum:

a. Proposed duration of Contract;

b. Scope of supply;

c. Proposed metrics of performance.

5. **In-Service Support**

a. Level 3 Maintenance – the preventative and corrective Level 3 maintenance activities required to support the system. The results shall include the required effort for Authority only participation, Contractor only involvement or a combination of both.

b. Spares Provisioning – the spares required to enable engineering support for D-JFI both in barracks and during training. The analysis shall identify the costs and benefits of utilising the 'Purple Gate' supply chain, as described in DLF, and the provision of spares direct to units. The analysis shall identify the contracting mechanisms and conditions required to enable an incentivised reliability approach to supply support.

c. In-Service Monitoring of Logistic Performance – identification of the methods by which In-Service monitoring of logistic performance will be conducted, the tools to be used and the methods by which information will be collated. The Joint Asset Management and Engineering System (JAMES) shall be utilised.

6. **Post Design Services**

a. The Post Design Services (PDS) process is concerned with the redesign; redevelopment and engineering necessary for preserving an equipment's capabilities at the performance levels formally approved by the equipment sponsor. PDS includes the Design Authority (DA) work necessary to maintain the design and manufacturing data and reference equipment.

b. The Contractor shall describe his approach for providing PDS to the MOD in the context of ILS. The Contractor shall consider PDS, and its consequences on ILS, in terms of its effects on maintaining an effective support policy with optimum costs throughout the life of the equipment. The following shall be addressed as a minimum:

1) Control and maintenance of design records;

2) Maintenance of technical information;

3) Provision of support for equipment hardware and software;

4) Implementation of technical tasks to investigate obsolescence issues.

c. Configuration Management - The proposal shall detail the configuration management system to be adopted and the activities to be undertaken for the following topics:

1) System Management. The procedures, tools and techniques to track asset location and configuration including the use of JAMES.

2) Build Standard Maintenance. The procedures, tools and techniques to maintain drawing packs, engineering and Logistic Information Repository (LIR) databases. This is to include the change control processes.

3) Support Package. The procedures, tools and techniques to maintain the support package, including AESPs ensuring the configuration remains consistent with the modifications to the systems

i.e. AESPs are also updated. It should be noted that modifications could be due to modification of Interfacing Programmes & Systems (IP&S) rather than the D-JFI system and therefore this interdependency must be addressed within the proposal.

d. DRACAS and Trend Analysis. The proposal shall detail the DRACAS to be employed and the activities to be undertaken for the following topics:

1) Data Capture. The procedures for capturing, collating and managing Authority provided data in the form of HUMS data derived from the platform and Equipment Failure Reports prepared by Users and Maintainers;

2) Data Access. The proposed methods through which data, analysis and any reports can be accessed by the Authority;

3) Trend Analysis. The proposed tools and techniques for conducting Trend Analysis and other analysis of data to support In-Service products;

4) Change Management Process. The procedures for ensuring that the DRACAS is included as part of the Change Management Process.

5) Obsolescence Management. The procedures, tools and techniques to maintain an Obsolescence Management system through life shall be described. This shall be based on DID 012 and include the conduct of meetings with both the Authority and the supply chain.

6) Repair Loop Management. The procedures, tools and techniques to manage items within the repair loop, including AM&D items, from the field to the supply chain. It shall include incentivised strategies to facilitate rapid repair turn-around times.

7) Performance Metrics. For each of the topics detailed above the proposal shall define the scope of supply and the Performance Metrics to be monitored.

8) Cost Breakdown Structure. A Cost Breakdown Structure is to be included which identifies the cost of each activity per annum for the duration of the proposed contract. The Cost Breakdown Structure could form part of the overall cost model. If a standalone model is to be used, then the structure shall be consistent with that of the overall project cost model.

7. **Supporting Analysis and Evidence**

a. The support proposal shall include the following topics:

1) Introduction – The contents of the introduction shall refer to source documentation such as the LIR and give any previous decisions which have been reached, and shall provide the scope and purpose of the analysis conducted. A description of the item(s) under analysis and the process by which the analysis was conducted.

2) Aim – The aim of the proposal is to recommend to the Authority the proposed support system and it shall document the results of the analysis of risks, costs, performance, availability, support and other factors which determined the recommended best approach to support.

3) Assumptions and Constraints – Covering the nature of the techniques used and the criteria for each evaluation shall be documented. The baseline information shall be standard throughout the process and documented in a Master Data and Assumption List (MDAL). The quantitative and qualitative criteria to be used to select the best alternatives shall be documented. Any constraints pertinent to above factors shall be described. Any Assumptions used shall be documented in the MDAL together with a risk mitigation path to determine the validity of the assumption.

4) The appropriate model or relationship chosen or constructed for conducting the analysis shall be identified.

J. Contract Delivery Date 1. As specified in the Schedule of Requirements.
K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 026 Logistic Demonstration Plan		
A. Unique ID: D-JFI DID 26 - LDP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The LDP shall identify the methodology that will ensure the demonstration of compliance with the Supportability related elements of the System Requirements Document (SRD).

2. The Contractor shall describe his approach to provide the Authority with a basis for review and evaluation of the proposed Logistic Demonstration planning and the integration with the overall Supportability and Engineering programmes.

3. The Plan shall describe the specific techniques to be used, tasks to be performed and the development and integration into the overall Supportability programme. It shall contain sufficient background material and have a clear audit trail which ensures that all conclusions, options, recommendations and products can be traced back to source. It shall expose supportability risks so that they can be addressed.

4. A formal Maintainability Demonstration will form the core element of the Logistic Demonstration. Maintainability demonstration planning shall be based upon guidance detailed in Defence Standard 00-042 Part 6, Issue 4.

G. Contracted Def Stan / Policy:

1. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1, Issue 2, Dated 15 Jun 2020.

2. Def Stan 00-042 Part 6, Issue 4.

H. Purpose

1. To enable the Authority to evaluate, monitor and accept the Contractor planning and performance of the test, evaluation and verification of the supportability requirements of D-JFI.

I. Content and Composition:

1. The LDP shall include, as a minimum, the following:

   a. Introduction / Identification. This section identifies the system to be tested, procuring authority, preparing authority, contract number and general background to the Plan.

2. Logistic Demonstration Description. This section describes how the Log Demo will be conducted to meet the system and logistic requirements contained in the applicable programme documents. It is to include a detailed description of the following, including the artefacts to be delivered to gain progressive assurance.

   a. Demonstration Location;

   b. Demonstration Timings;

   c. System Build Standard Details;

d. Organisation, Personnel and Responsibilities;

e. Key Personnel including responsibilities;

f. Demonstration Test Methodology;

g. Demonstration Preparation;

h. Demonstration Procedure;

i. Demonstration Reporting;

j. Assumptions. All assumptions used shall be documented.

3. The Contractor shall describe their understanding of the maturity required of components at the start of the Logistic Demonstration for the following:

a. Technical Publications;

b. Supply Support;

c. Package, Handling, Storage and Transportation (PHS&T);

d. Support and Test Equipment (S&TE);

e. Calibration;

f. Software;

g. Logistic Performance Monitoring;

h. Obsolescence;

i. Safety, which is to include demonstrating that personnel conducting tests are competent to do so;

j. Disposal;

k. Facilities.

4. Detail shall be provided of the components to be excluded from the Log Demo with an explanation of why they are excluded, when they will be tested and how that will be linked into the overall Supportability Case.

5. Detail shall be provided for all Government Furnished Assets (GFA) required to support the Log Demo. The detail shall also be identified in accordance with the GFA Management Plan.

6. For the test to generate meaningful results, the test scenario must be as representative as is practicable of that to be encountered during full system operation, within the constraints of the factory environment. To this end the plan shall describe how the operating and maintenance environment prevailing throughout the test is to be managed to ensure the following are as representative as possible.

a. Equipment Configuration;

b. Equipment operating mode;

c. Environment;

d. Fault Symptoms;

e. Support Facilities; f. Test equipment and tools; g. Spares and consumables available; h. Personnel skills, knowledge and experience; i. Operating and maintenance documentation.
J. Contract Delivery Date 1. As specified in the Schedule of Requirements.
K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 027 Supportability Case		
A. Unique ID: D-JFI DID 27 - SC	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The Supportability Case shall be a reasoned auditable argument created to support the contention that D-JFI will satisfy the support requirements in the programme in accordance with the contract.

G. Contracted Def Stan / Policy:

1. The ILS Supportability Case shall report on the analysis conducted in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1 & Part 2.

H. Purpose

1. To inform the Through Life Management decisions for the Project.

2. To provide auditable evidence that support requirements have been met.

I. Content and Composition:

1. It shall include identified, perceived and actual risks, strategies and an Evidence Framework referring to associated and supporting information, including Support related evidence and data from design activities, trials, etc., through to In-Service and field data as appropriate and record any changes.

2. The Supportability Case shall be a top-level control document that shall be updated through the issue of Supportability Case Reports linked to an Evidence Framework.

3. Progress of the ILS programme against the Integrated Support Plan (ISP) and ILS Schedule and Supportability Analysis (SA) Plan. The Supportability Case shall be a progressively expanding body of evidence whose currency and relevance shall be maintained.

4. The Supportability Case shall contain or provide a link to a configuration controlled set of supportability requirements for D-JFI.

5. The Supportability Case shall reference the Supportability Case Reports that contain the following:

   a. Supportability requirement under scrutiny and success criteria.

   b. Identified SA process outputs that address the requirements.

   c. Any Assumptions necessary due to the incomplete nature of the SA.

   d. Evidence or preferably links to configuration-controlled outputs of the SA process that provide evidence the SA requirements are being met.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.
K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 027a Supportability Case Report		
A. Unique ID: D-JFI DID 27a - SC Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. Supportability Case Reports shall be periodic updates to the Supportability Case.

2. The Supportability Case Reports shall report on the evidence, arguments and conclusions drawn from work since the last report, provide an assessment of overall Support related achievement / progress and a review and evaluation of the ILS Strategy and Plan.

G. Contracted Def Stan / Policy:

1. The ILS Supportability Case Report shall report on the analysis conducted in accordance with:

a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1 & Part 2.

H. Purpose

1. To provide a reasoned, auditable argument to support the contention that D-JFI will satisfy the Support requirements.

I. Content and Composition

1. The Supportability Case Reports shall include:

a. Supportability Case Report Unique Identifier;

b. Relationships or links to other supportability case reports;

c. List of Supportability requirements addressed;

d. List of Supportability risks addressed;

e. Evidence of requirement fulfilment;

f. Supportability related Project milestone status;

g. Product deliverables addressed during this report;

h. Process deliverables addressed during this report;

i. Links to external configuration controlled ILS products fulfilling requirements;

j. Evidence of risk avoidance;

k. Links to external configuration controlled ILS products implementing risk avoidance;

l. Evidence of risk mitigation;

m. Links to external configuration controlled ILS products implementing risk mitigation;

n. Supportability Analysis (SA) Tasks addressed during this report;

o. ILS elements addressed during this report;

p. ILS task / Element maturity summary analysis;

q. Proposed activities over next period.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 028 Reliability and Maintainability Case		
A. Unique ID: D-JFI DID 28 - R&M Case	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. Covers the structure for the development of the Contractor R&M Case through Assessment, Demonstration, Manufacture and In-Service phases.

2. The Contractor R&M Case shall be a progressively expanding body of supporting evidence, which provides a reasoned, auditable argument to satisfy the R&M requirements. R&M Case Reports will be produced in accordance with DID 028a and the Contract Data Requirements List (CDRL).

G. Contracted Def Stan / Policy:

1. The R&M Case shall report on the analysis conducted during the Assessment Phase (AP) in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1 & Part 2.

   b. Def Stan 00-042 Reliability and Maintainability Assurance Activity - R&M CasePart 3 Issue 5, (Issue 6 currently in Draft).

H. Purpose

1. To provide a reasoned argument how each of the requirements will be met in service, based on the evidence and any assumptions. It is to be part of a suite of documents which will comprise the overall R&M Case.

I. Content and Composition:

1. The Contractor R&M Case shall set out the cumulative evidence that the project has achieved.

2. The Contractor shall include an Evidence Framework within their R&M Case as this is a key component to the R&M Case and R&M Planning process.

3. The R&M Case shall include Annexes to provide, as necessary, the detail to support the content, or recommendations of the report. Tables and figures shall be included to support textual explanation.

4. Define the System operating boundaries including the system operating envelope, the environment and maintenance activities.

5. The Authority shall conduct audits of the R&M Case and its evidence. All evidence set out or summarised in the R&M Case shall be traceable back to its source and be compiled in a single linked file set.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

2. The R&M Case shall be a live document that is updated with Case Reports delivered by the Contractor at key points identified in the Plan.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 028a Reliability and Maintainability (R&M) Case Report		
A. Unique ID: D-JFI DID 28a - RM Case Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the purpose and requirement for the format and content of the Reliability & Maintainability (R&M) Case Report.

2. 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. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & Part 2.

2. Def Stan 00-042: Reliability and Maintainability Assurance Activity - R&M Case Part 3 Issue 5, (Issue 6 currently in Draft).

3. Def Stan 00-040: Reliability and Maintainability (R&M) Management Responsibilities and Requirements for Programmes and Plans. Part 3 Issue 5 dated 20 May 2016.

4. DEFCON 82: Special Procedure for Initial Spares

H. Purpose:

1. To provide a structured evidenced based argument to the Authority for the Contractor's R&M claims of the proposed Equipment Solution.

2. To form part of the in-service monitoring of R&M performance, and should be maintained through the life of the Equipment.

3. To provide progressive assurance, through evidence, that the R&M requirements are fully understood and are being, or will be, met.

4. To form part of the body of evidence that makes up the R&M Case.

I. Content and Composition:

1. An initial statement of R&M requirements.

2. A top-level claim stating that the system operating boundaries allow for the system requirements to be met.

3. A multi-level claim structure sub-claims and sub arguments based on evidence and assumptions.

4. Evidence should be presented in an evidence framework. The evidence is used to create an argument for the claims that the R&M requirements have been or will be met.

5. The framework shall capture the current set of compliance and assurance activities and their success or acceptance criteria which demonstrate that R&M is achieved and that risks to R&M have been treated.

6. Evidence may be one of two types:

   a. Evidence that the R&M requirements can be demonstrated.

   b. Evidence that activities designed to treat risks that R&M requirements are not met or demonstrated can be successful.

7. Quantified success criteria are preferred, however, qualitative criteria based on objectives of activities including evidence that the activity and the output of the activity are appropriate and correct e.g. success criteria for modelling are not simply that predictions and modelling demonstrate compliance with R&M requirements, but also that the model is an adequate representation of the system and all system or system elements have been included in the modelling (including software).

8. The model should address the robustness of the design against variations in usage conditions and manufacturing conditions and the manufacturing tolerances. Evidence from an analysis activity should include documentation showing that activities have been completed in a timely manner.

9. Arguments can be divided into two categories:

   a. Arguments that all identified risks to the claim are eliminated or sufficiently treated supported by evidence of successful treatments and evidence that the risk identification is comprehensive. This requires consideration to all significant sources of risks, areas of impacts, events (including changes of circumstances) and causes, and potential consequences.

   b. Arguments that there are sufficient grounds for the claim, supported by evidence of the truth of each and by evidence of adequacy. This requires that aspects covered by the evidence are sufficient to provide assurance of the claim.

10. A summary of the findings of the Criticality Analysis and detail the recommended R&M activities/tasks.

11. The robustness of the R&M Case in making a claim is dependent on the evidence used. The adequacy of evidence can be assessed by examining the practical impact on the demonstration of R&M, the reduction of uncertainty and the treatment of risks. The visibility, traceability and quality of evidence are crucial factors. Guidance on assessing the adequacy of evidence is detailed in BS EN 62741:2015 Annex C.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. As the AR&M case is part of the in-service monitoring of R&M performance, it is anticipated that updates will be required under the terms of any CLS Contract.

2. Following acceptance into Service, the Contractor shall continue to provide progressive assurance through the R&M Case that the R&M performance will be maintained against the formal requirements throughout the in-service life of the system.

3. Case Reports will be reviewed by the Logistic Support Committee (LSC).

L. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.

M. Number of Copies

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).

D-JFI DID 029 Reliability and Maintainability Plan		
A. Unique ID: D-JFI DID 29 - R&M Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

3. D-JFI DID 28a – R&M Case Report.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The R&M Plan will be used as part of the Invitation To Negotiate (ITN) evaluation process. The R&M Plan shall be updated during the Assessment Phase (AP), in accordance with the Contract Data Requirements List (CDRL), to reflect changes to the Plan because of the maturing D-JFI design.

2. R&M is used throughout this document as a reference to the encompassing disciplines of Availability, Reliability, Maintainability, Durability and Testability Engineering. Availability, Reliability, Maintainability (ARM), ARM & Testability (ARM&T), Availability, Reliability and Maintainability (AR&M) and Reliability, Maintainability, Testability (RMT) may also be used and can be synonymous unless otherwise specified.

3. The R&M Plan shall address all R&M and related activities undertaken during the AP.

4. The R&M Plan shall address all D-JFI system hardware, software and firmware in a Dismounted Environment only.

G. Contracted Def Stan / Policy:

1. The Reliability and Maintainability Plan shall report on the analysis conducted during the Assessment Phase (AP) in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1 & Part 2.

   b. Def Stan 00-040 Part 1 Issue 7.

   c. Def Stan 00-042 Part 3 Issue 5, (Issue 6 currently in Draft).

H. Purpose:

1. To describe how the Contractor will demonstrate compliance with the R&M System Requirements and mitigate R&M risks. R&M requirements include the Reliability, Maintainability, Testability and Durability requirements identified in the System Requirements Document (SRD). The R&M Plan shall specify the range of R&M and related activities to be conducted during the AP.

2. To identify the integrated R&M acceptance approach and set out the activities to be conducted to generate a body of evidence to provide progressive assurance that the R&M requirements are being / have been achieved.

I. Content and Composition:

1. The R&M Plan, delivered in the Tender response, shall contain detailed task planning for the AP and outline R&M tasks to be conducted during the DM&I Phases.

2. As the design of D-JFI rests with the Contractor, the end design is likely to contain a mixture of Development Items (DIs), Commercial Off The Shelf (COTS) and / or Modified Off The Shelf (MOTS), the

Contractor shall indicate within their R&M Plan which tasks will be applicable to which systems, sub-systems and equipment's based upon the design status of each item.

3. The Contractor shall define which tasks will be undertaken during each stage as they may not be applicable to all stages.

4. Where there is an opportunity to influence design, the R&M analysis shall be used to ensure that R&M is considered from the outset. Where there is no opportunity to influence design, the R&M analysis process shall be used to evaluate the R&M performance characteristics and perceived risks.

5. Strategy

a. The R&M Plan shall provide details of the overall strategy and plan to achieve the R&M requirements for D-JFI and de-risk the Reliability Qualification Tests (RQT).

6. Tasks

a. The specific requirements for the content of the R&M Plan are driven by the need to deliver and provide progressive assurance of the requirements. The task / activity content of the Contractor R&M Plan will be dependent upon the agreed Contractor Evidence Framework, system requirements verification criteria, product maturity and detailed Contractor planning. All R&M and related tasks / activities detailed within the R&M Plan are to be referenced to the Contractors' Evidence Framework (R&M Case Report DID 014, (to be completed by successful candidate)).

b. For Failure Mode, Effects and Criticality Analysis (FMECA) planning; the R&M Plan is to provide details of the Contractors FMECA programme that the Contractor will use during the AP. The Contractor shall provide a D-JFI system level FMECA in the Contractors format. To avoid unnecessary work sub-system FMECA already developed shall be used as supporting information.

c. For Damage Modes planning; the Contractor shall describe how the design will be influenced to reduce the potential for damage caused by the User community whilst In-Service, for example using the D-JFI system as steps or hand holds when entering or exiting the vehicle.

d. For Software; the R&M Plan shall include details of the approach to the achievement of Software Reliability and the process and techniques the Contractor employs upon the detection of software defects. The R&M plan shall include details of specific software reliability activities that are in addition to the software development activities detailed within the Contractor submission. For developed software and / or integration of COTS software, integration and system functional testing shall include provision for the recording and analysis of defects for reliability analysis purposes.

7. Schedule

a. The R&M Plan shall include or reference to the ILS Schedule all R&M related activities. The R&M programme shall form part of the integrated project programme plan and as such show links / dependencies to other (Design, Testing, ILS, etc.) activities.

8. Organisation / Responsibilities

a. The R&M Plan will detail and demonstrate the following:

1) The R&M management structure has suitable seniority within the project team to influence the design and manufacture of D-JFI;

2) The R&M team contains Suitably Qualified and Experienced Personnel (SQEP);

3) How the R&M function is integrated with the engineering function;

4) That the Contractor has influence, control and management of their suppliers / subcontractors to achieve the R&M requirements.

5) The R&M plan shall reference to the procurement and engineering process for the management of their suppliers / contractors,

6) The plan shall provide details of how assurance of the reliability of bought in products is achieved.

9. Meetings

a. The R&M Plan shall provide details of all proposed R&M related meetings that will cover R&M as an agenda item.

10. Process

a. The R&M Plan shall contain details of the Contractor approach to DRACAS, incident sentencing and formal Incident Sentencing Committee (ISC) meetings.

b. Guidance to the Authority's view of Incident Sentencing can be found within the Authority's R&M Plan (Ref).

c. The Authority shall be provided direct access to the DRACAS database for audit purposes throughout the contract.

11. Tools

a. The R&M Plan shall contain a description of the R&M Toolset the Contractor intends to use to support the R&M programme. The description is to include the mechanisms by which appropriate data may be exported and delivered to the Authority as part of the progressive assurance approach.

12. Reliability Growth

a. The R&M Plan shall provide details of the Contractor's Reliability Growth Test (RGT) Programme Strategy and Planning. The Strategy is to provide an overview of reliability growth philosophy, techniques and programme that the Contractor will employ to grow the reliability of the D-JFI system, subsystems and components.

b. The Contractor shall detail the types and methods of growth testing that will be conducted during the AP and Demonstration Phase to provide confidence that the Contractor predicted RQT start point can be met.

c. Reliability Growth will be reported on during the ILS reviews.

13. Evidence

a. R&M Case, (Refer to DID 28).

b. R&M Case Report, (Refer to DID 28a).

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media. 2. Hardcopy for definitive versions.
M. Number of Copies 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).

D-JFI DID 030 Level Of Repair Analysis Plan		
A. Unique ID: D-JFI DID 30 - LORA Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description:

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) identifies and describes the contractor's Level Of Repair Analysis (LORA) programme plan and LORA candidate selection criteria.

2. To cover the format, content and preparation instructions for a LORA programme plan and shall contain each of the sections listed below.

3. To be used in conjunction with DID 004 - LORA Report.

4. If there is no data or text requirement in any of the sections or sub-sections, the contractor will enter ‘NOT APPLICABLE’ and justify the reasons.

5. To be updated as required during the contract period, under the Authority acceptance, based on analysis results, programme schedule modifications or programme decisions.

G. Contracted Def Stan / Policy:

1. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

H. Purpose:

1. To provide the Authority with a basis for review and evaluation of the contractor's proposed LORA programme and its proposed content, for establishing contractual LORA compliance requirements, and for providing the milestone schedule or study plan schedule.

2. To establish and execute an effective LORA programme.

3. Describes the specific techniques to be used and tasks to be performed.

4. Defines the development and integration of the techniques and tasks into the overall Supportability Analysis (SA) programme and other related programmes.

I. Content and Composition:

1. The LORA programme plan shall include the following:

   a. Identification and description of the End Item.

   b. Identification of the contractor preparing the LORA programme, the Authority organisation contracting for the LORA programme, and the contract number.

   c. Identification of the contractor's internal organisation structure performing the LORA.

   d. The interrelationships of the LORA discipline with other ILS elements and system engineering disciplines.

e. The method by which LORA information affecting design is disseminated to equipment designers.

f. The criteria used to guide the designers on the advisability of discard-at-failure or reparability recommendations.

g. The procedures used for collecting, updating and validating LORA input data and final LORA decisions including:

1) Procedures for integration and monitoring implementation of the LORA decisions into the system support requirements and logistic planning.

2) Procedures for updating inputs to the LORA with data and results from contractor testing, demonstrations, development testing and operational testing.

h. Delineation of the tasks and milestone schedules required to conduct the LORA programme, along with schedule relationships to schedules of other SA programme requirements and associated system engineering activities.

i. Description of each LORA programme task relationship to other SA programme events and its integration into the SA programme schedule to ensure that LORA tasks are completed prior to other SA activities requiring LORA results.

j. Identification and description of the LORA model(s) to be used for conducting LORA(s) and the class(es) of LORA that will be performed. A LORA model is defined as a computerised, or manual, mathematical model or technique used to compare the relative economics and performance levels of the viable repair or discard options. There are three classes of LORA which include system or end item analysis, sub-system or item analysis and specific aspects of repair analysis.

k. A list that identifies the specific items that makes up the End Item under contract for LORA. The list includes items recommended for analysis, items not recommended for analysis and rationale for selection or non-selection.

l. Identification of previous systems, similar to the system under analysis, in conjunction with their support structure and previous LORAs that are to be used to establish the baseline for the support structure constraints on the system under analysis.

m. Reasons and justifications for any non-economic considerations that may impact or should be considered in adjusting decision alternatives derived from the economic considerations.

n. The LORA results which will be used to assist in developing or revising system engineering and logistic products or data within the following:

1) Maintenance planning.

2) Maintenance Allocation Chart (MAC).

3) Source, Maintenance and Recoverability (SMR) coding.

4) Provisioning Parts List (PPL).

5) Logistics Information Repository (LIR).

6) Failure Modes, Effects and Criticality Analysis (FMECA).

7) Reliability.

8) Maintainability.

9) Reliability-Centred Maintenance (RCM).

o. How the LORA results will be used to influence the equipment design (where possible) in the following aspects:

1) Modularity.

2) Built-in-test (BIT).

3) Built-in-test equipment (BITE).

4) Testability.

5) Repair or discard.

p. The LORA data required to execute the LORA model(s) and the sources to provide that data (e.g. MOD, contractors, sub-contractors, vendors, test agencies).

q. The sensitivity analysis requirements and proposed ranges of data elements to quantify the uncertainty of design and programme characteristics.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.

M. Number of Copies

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).

D-JFI DID 031 Configuration Management Plan		
A. Unique ID: D-JFI DID 31 - CMP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To cover the Assessment Phase (AP) activity associated with configuration management and to clearly define how this will be continued into Demonstration and later phases.

2. To document the Contractor's Configuration Management System and processes to ensure a common baseline relating to the Contractor's scope of supply is worked across all Defence Lines of Development (DLOD) contributing to the D-JFI capability.

G. Specification:

1. Def-Stan 00-600: ILS Requirement for MOD Projects Part 1.

2. Def Stan 05-057: Configuration Management of Defence Materiel

H. Purpose:

1. To assure the Authority that a configuration management process has been adopted by the Contractor that will always deliver coherence of engineering artefacts and control change, thus maintaining the integrity of the maturing design and deliverables.

I. Content and Composition:

1. The D-JFI CMP shall describe in detail all configuration management tools and methods which the Contractor will apply to support and implement their configuration management processes.

2. The D-JFI CMP shall describe key roles and responsibilities (including those of the Authority) associated with configuration management through life.

3. The D-JFI CMP shall define all configuration management meetings required to support the work and shall specify any Authority attendance which is to be requested.

4. The D-JFI CMP shall describe how the CMP is related to other Engineering and Management Plans and will where necessary reference other documents to avoid large sections of duplicated material.

5. Once defined the Contractor shall implement the D-JFI CMP in its entirety and shall justify, to the satisfaction of the Authority, any deviations from this plan.

6. The CMP shall address the following areas (but not limited to):

a. Configuration and Data Management:

1) Configuration and Data Management System,

2) Scope of CADM (key activities),

3) Configuration and Data Management System Organisation,

4) Configuration and Data Management Responsibilities,

5) Configuration and Data Management Audits,

6) Configuration Management Milestones.

b. Configuration Identification:

1) Items that will be subject to configuration control

2) Reference / numbering system

3) Identification shall cover the following:

a) Physical and functional characteristics of elements of the product

b) Documentation

c) Software

d) Firmware

e) Test sets, tools, Ground Support Equipment (GSE)

c. Configuration Control:

1) Baseline control

a) Baseline definition

b) Design reviews

2) Change Control

a) Process

1) Change initiation – who and how

2) Categories of change

3) Effectivity of a change

4) Cancellation of a change

5) Updates to baseline

b) Change decision boards Terms of Reference

c) Change control metrics

3) Waivers and Concessions

4) Software configuration control

d. Interface Control:

1) Interface control management (Interface Management Plan)

e. Data Management:

1) Documentation system (key activities associated with data management)

2) Release system (signatories)

3) Document identification (numbering system)

4) Format and standards (templates etc.)

a) Correspondence

b) Change documentation

c) Drawings

d) Documents

e) Data Packages

f) Review packs

5) Issue and maintenance of documents

6) Issue and maintenance of drawings

f. Configuration Status Accounting:

1) Records to be prepared and maintained

2) Metrics

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 032 Government Furnished Asset Management Plan		
A. Unique ID: D-JFI DID 32 - GFA MP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. GFA is an umbrella term covering equipment, human resources, estates, buildings and information.

2. The D-JFI GFA MP shall be a mature document at issue by the Tenderer for the tender stage and, if required because of the tender process, shall be subject to minor amendment and confirmation at AP contract award.

G. Purpose:

1. To detail how the Tenderer / Prime Contractor intends to implement the GFA management requirements.

2. To detail how the Tenderer / Prime Contractor will manage all GFA loaned to them to perform the activities covered by the Assessment Phase (AP) contract.

3. To detail how the Tenderer / Prime Contractor will manage GFA loaned by them to the members of their Supply Chain.

H. Contracted Def Stan / Policy:

2. The Government Furnished Asset Management Plan shall report on the analysis conducted during the Assessment Phase (AP) in accordance with:

a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

I. Content and Composition:

1. The D-JFI GFA MP in addition to the general requirements above, shall address as a minimum:

a. Interaction with the Authority over the management of GFA on loan to the Tenderer / Contractor.

b. Interaction with the Authority to manage risks associated with GFA.

c. Proposed receipt process of GFE from the Authority (including quality checks that the D-JFI may want to carry out to ensure fit, form and function of GFE).

d. GFA accounting and audit arrangements in accordance with the Authority's Assets in Industry Team requirements.

e. Provision of appropriate storage and protection of GFA.

f. Maintenance of GFE.

g. Liability insurance cover for GFA.

h. The Tenderer shall cross reference their GFA MP with their Security Management Plan designed to secure and protect GFA.

i. The management of export / import control issues and conformance to International Traffic in Arms Regulations requirements.

j. Safety Management Plans.

k. Support and Test Equipment (S&TE) requirements for GFE.

l. Requirements and support arrangements for Authority GFR.

m. Link with the project assumptions management process.

n. Return of GFA to the Authority.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 033 ILS Progress Report		
A. Unique ID: D-JFI DID 33 - ILS Progress Report	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the D-JFI Integrated Logistic Support (ILS) Progress Report requirements.

2. The Progress Reports will be produced throughout the lifecycle of the Project.

G. Contracted Def Stan / Policy:

1. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

H. Purpose:

1. To be used as evidence within the Supportability Case if required.

2. To provide visibility of the overall progress of the project since the last report.

I. Content and Composition:

1. The ILS Progress Reports shall include the following:

   a. A discussion of the overall progress of the project since the last report.

   b. Progress against the ILS Plans and ILS Schedule.

   c. Progress Reports in respect of the individual Supportability Analysis (SA) tasks undertaken, highlighting specific problems or milestone achievements.

   d. Government Furnished Assets (GFA) required from the Authority to allow individual tasks to progress.

2. References to information shall be included as necessary to provide the detail to support the content, or recommendations of the report.

3. Tables and figures shall be included to support textual explanation.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

1. Electronic (MS Office 2016 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.
2. The ILS Progress Report shall be in the form of a presentation at the ILS Reviews to allow questions to be asked by the Authority Subject Matter Experts (SMEs).

3. Hardcopy for definitive versions.
M. Number of Copies 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).

D-JFI DID 034 **Transition Management Plan (TMP)**		
A. Unique ID: D-JFI DID 34 - TMP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Transition Management Plan (TMP).

2. The TMP documents the Contractor's approach and identified phases of the ILS programme being considered in the D-JFI Obsolescence programme, for the transition management from the current capability to the D-JFI programme.

3. 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 reason.

G. Specifications:

1. Def Stan 00-600: Integrated Logistic Support. Requirements for MOD Projects Part 1.

H. Purpose:

1. To provide confidence that the Contractor's work package to transition from the current capability to the D-JFI System is performed in accordance, with the Specifications as listed at Section G.

2. To provide the Contractual mechanism for the monitoring and quality control of the transition programme, in agreement with all parties.

3. To provide documented evidence for assurance of the transition programme, identifying the activities related to Testing and Evaluation, enabling Acceptance of the final D-JFI System.

I. Content and Composition:

1. Introduction. This section identifies the requirements of the TMP containing the following sub-sections:

   a. Purpose and Scope. Provides a statement regarding the purpose and scope of the TMP as the document for the management and performance of the transition programme.

   b. Summary. Provides a description of the intended phases / stages that shall be implemented by the Contractor as part of the transition programme, establishing a clear understanding of the scope, content and organisation.

   c. Updating Procedure. Provides a description of how alterations to the TMP are to be developed, authorised and incorporated.

2. Transition Programme. Provides the detailed activities that shall be performed by the Contractor:

   a. Contractor's Approach. Describes the sequence of activities and decisions that the Contractor uses in each of the identified phases as part of the transition programme.

b. Obsolescence. Details how the Contractor intends to resolve Obsolete Items, functions and / or parts fitted to or part of the Product, in transitioning to the D-JFI System, including future potential obsolescence risks for consideration for adoption into the Product design.

c. Effort. Includes the level of effort against each phase of the programme that is to be employed to cover all parts of the Transition phases to meet the requirements of the Contract.

d. Integration. Describes the design interface / engineering discipline integration that will be established as part of the transition programme. This shall include related disciplines including;

1) AR&M

2) Standardisation

3) Human Factors Integration

4) Training

5) Supply Support

6) Disposal

e. Transition. Details the transition phases from the current capability to D-JFI.

f. Design Opportunities. This shall include any potential design enhancement that could be included in the Transition Phase to maximise System Availability or reduce In-service Support costs, as a by-product of the transition programme.

g. Control. This summarises the audit, Inspection regimes to ensure control of the production, manufacture, and delivery of the D-JFI System to the Authority. Details the Contractor's in-house controls and report procedures to ensure the programme delivers against the planned ILS programme.

h. Organisation. Details the Contractor's organisation and relationship between the technical programme planning and the schedule planning, with Review points to update the Authority on how the Contractor's programme is delivering against the Contractual arrangements.

i. Reviews. This details the mechanism in how reviews are to be conducted and when, including regain strategies for agreement, should the Contractor's delivery not be against agreed time or performance criteria.

j. Standards. This details the Standards and DEFCONs that the Contractor complies with, as defined in the Contract that relate to the Transition Programme of the Product.

3. Quality Statement. Quality statement outlining the Contractor's approach to Quality Assurance (QA).

4. Disposal & Hazardous Item Report. To be delivered in accordance with DID xx and included as an annex.

5. Programme Plan and Milestone Schedule. Details the Contractor's Milestone Schedule for the review and Governance control of the Transition programme, including capture and mitigation of supportability risks, requiring input by the Authority.

6. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms or words used in the text of the TMP.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
L. Medium of Delivery 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. Number of Copies 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).

D-JFI DID 035 Codification Data Report		
A. Unique ID: D-JFI DID 35 - CDR	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted Joint Fires Integrator (D-JFI) System.

F. Scope:

1. To provide the Authority to meet the data requirement of the NATO Codification process, for all new Items of Supply.

2. To include Items of Supply for which the Contractor is not the DCA.

3. To assist the Authority in conducting the Logistics Demonstration in the lead up to the Logistics Support Date prior to declaration of IOC.

G. Specification:

1. The Contractor shall provide a Codification Data Report tailored to the D-JFI project and produced in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

   b. DEFCON 82.

   c. North Atlantic Treaty Organisation (NATO) Codification Policy DEFCON 117 Edition 10/13.

H. Purpose:

1. To ensure that there are no duplicate entries for items with the same form, fit and function.

I. Content and Composition:

1. To include the Technical Data needed by the Codification Authority or the Authority's Agent in accordance with Ser G3 above, where:

   a. The Item of Supply is not already codified in the NATO Codification System (NCS); or

   b. The Contractor has not previously supplied that information either in the recommended spare parts list supplied by the Contractor in the initial provisioning phase or under another contract.

2. The NSN(s) of Items of Supply which have already been codified and notified to the Codification Authority, or the Authority's Agent.

3. Details of when and to whom within the Codification Authority or it's agent the data was supplied if the information has previously been supplied by the Contractor.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. None anticipated.
L. Medium of Delivery 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. Number of Copies 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.

D-JFI DID 036 In-Service Supply Support Plan (ISSP)		
A. Unique ID: D-JFI DID 36 - ISSP	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the In-Service Supply & Support Plan (ISSP).

2. The ISSP shall incorporate and subsequently supersede the Supply Support Plan this is drafted and developed through the AD&M phases.

3. 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 reason.

G. Specifications:

1. The ISSP shall reflect the requirements as specified in:

   a. Def Stan 00-600: ILS Requirements for MOD Projects Part 1.

   b. Contract Data Requirements List (CDRL).

H. Purpose:

1. The purpose of the ISSP is to:

   a. Provide confidence against the Specifications as listed in Section G.

   b. Detail the services that are provided by the Contractor under the Basic Contractor Logistic Support (BCLS) services for the Product.

   c. Provides confidence to the Authority that the intended BCLS services have been:

      1) Fully understood by the Contractor.

      2) Will provide the support services that can sustain the Product's availability levels to the specified Availability measure and target.

      3) Will deliver, dispatch, Receipt and Handle Items of Supply to the Authority's specifications.

      4) Will Repair, Repairable Items of Supply to the Authority's specifications and Turnaround time targets.

      5) Will respond, manage and resolve Product reported incidents in agreement with the Authority.

      6) Will provide technical support services to the Authority's specifications.

      7) Will provide and upkeep technical information to the Authority's specifications.

2. Provide documented evidence in how BCLS services are monitored and reviewed, by the Contractor's management organisation, in agreement with the Authority.

I. Composition and Contents:

1. Introduction. This shall provide the overview of the Contractor's management processes and Organisation that are used in providing the BCLS services for the Product, which includes:

a. Applicability. This shall detail which of the BCLS services are applicable to the Contractor and which ones have dependencies on the Authority, for the Contractor to provide the BCLS services.

b. Monitoring and Measurement. This shall detail the Contractor's proposal, in agreement with the Authority, in how the BCLS services will be monitored and reviewed.

2. Incident Management. This shall detail how the Contractor will respond to the Authority's reported Incidents transmitted to the Contractor, which includes:

a. The management control of handling and receiving Incident Reports from the Authority.

b. The management process in analysing reported Incidents to provide Trend Analysis decision information to the Authority.

c. Details of what Incident Investigation will be performed by the Contractor.

d. How reported Incidents will be closed, in agreement with the Authority.

3. Reliability & Maintainability (R&M) Management. This shall detail how the Contractor will deliver BCLS R&M services to the Authority, which includes:

a. Trend Analysis Information, providing the Authority with the Product's summary of R&M trend analysis information over an agreed window of time, as part of a summary BCLS DRACAS Report.

b. Intended regime for proposing candidate functions, components, processes and / or services for a 'Change' to improve R&M performance of the Product.

4. Repair Management. This shall detail The Contractor's provided Level 4 Repair Service for the Product, which includes:

a. Repair Process. Describes the Contractor's repair process and Organisation, including their Supply Chain and Sub-Supplier(s) used in the repair of the Product. This shall also include the interfaces for the logistic flow of information between the Authority and the Contractor.

b. Scope of Repairs. This shall detail the capability and scope of Repairs to be performed on the Product, including the candidate of Items in-scope for Level 4 Repair. This will detail a candidate Catalogue of Repairs for agreeing with the Authority on the nature of repairs that are likely to be required on the Repairable Item and / or Product. This shall be presented in table format including the sub-tasks involved in each Repair as part of a standard catalogue of repairs (tasks) for the Product.

c. Log Files. Each repair will involve extraction of the log files, an initial survey to determine the cause of the defect and the repairs needed, as well as the software reinstallation, execution of the Acceptance Test Procedure and a 'goods out' check upon completion to confirm that the repair has been conducted successfully.

d. Asset tracking of the Product. This shall provide the method in how the Contractor intends to inform the Authority, when the Product is moved in and out of the Contractor's premises.

e. Technical Feedback. Describes how the Authority will be informed and consulted regarding technical repair decisions and the detailed repair Strip-down Reports from themselves or their Supply

Chain Sub-Contractor's technical repair investigations. This shall summarise how information is to be transmitted to the Authority, including answering and responding to clarifications and additional repair information made by the Authority.

f. Incident Reporting and Sentencing. This shall describe how the Contractor will provide Trend Analysis information to the Authority and the sentencing of failures either as Attributable or Non-Attributable, as part of an agreed DRACAS process.

g. Performance Monitoring. This shall describe how the repair services will be performance monitored against agreed Key Performance Indicators (KPIs) and how they are measured.

5. Supply Management. This shall detail The Contractor's provided Supply Support services for the Product, which includes:

a. Provision and Upkeep of Parts Information. This shall detail the Contractor's management control for up-keeping logistic parts information, which Includes:

1) Providing confidence to the Authority that the Contractor can respond to Authority Spares demand requests.

2) Providing the Authority with Scaling Inventory Analysis data to enable the Authority to future forecast its demand profile.

3) Providing the Authority with Codification and Provisioning List information where there is a change to the product's BoM and/or a new Item of Supply is introduced by the Contractor and / or identified as a Ranged Candidate Item that was excluded from the Initial Ranging.

4) The method and format for the Transmission of Supply Information, including the Contractor's information process in transmitting responses to Authority's demands for Spares; this includes the information to be transmitted when dispatching Spares to the Authority's delivery address.

5) Providing the Authority with the Packaging Handling Storage & Transportation (PHS&T) information. This shall detail how the Contractor will package, handle, store and transport Spares to the Authority as part of the BCLS service. This also includes the labelling detail that will be applied to packages and special handling information in transit and sheets, for hazardous Items and / or Items that are under the Care of Substances Harmful to Health (COSHH) regulations.

b. Disposal Information This shall detail provision of the Product's disposal information for flowing to the Authority, including:

1) The processes and procedures for the safe, effective and efficient disposal of the Product, to meet legislative and policy requirements.

2) Identification of any Items of the Product that require special handling and disposal during the product's in-service life, including the Organisation which performs the disposal, Contractor or Authority.

3) Identification of any Items of the Product that require special handling and disposal at the Product's end of life for the Authority to assess in its disposal using the Defence Equipment Sales Authority (DESA).

4) Identification of new emerging disposal constraints requiring new disposal routes to meet emerging legislation, conditions since the Product entered service with the Authority.

6. Technical Support Management. This shall detail The Contractor's provided Technical support services for the Product, which includes:

a. Provision of advice to the Authority in meeting its obligations to satisfy security instructions.

b. Processing of Incident Reports (IRs) for hardware, software, training and supporting technical information and / or regime / process.

c. Assisting the Authority in their understanding of the Product and its upkeep relating to:

1) Technical design parameters, performance, and design behaviours.

2) Safety related issues or mitigations.

3) Interpretation of safety standards or comments raised by the Independent Safety Advisor (ISA) or members of the Safety Working Group.

d. Advice to the Authority to assist in its understanding of technical/design issues as they relate to future requirements.

1) Help Desk Support, answering Supply Support queries relating to the Basic Contractor Logistic Support (BCLS).

e. Providing Obsolescence Management information, including the provision of the Obsolescence Management Report.

f. Providing Configuration Management information, should there be a change to the product or its Supply Support arrangements.

g. Provision of advice to the Authority in reaching Incident Resolution decisions that are candidates for Post Design Service (PDS) tasks.

7. Software Support Management. This shall summarise the Contractor provided Software Support management services provided as part of the BCLS. Any software support that deviates from the agreed Software Support Plan shall be detailed for agreement by the authority.

8. Post Design Service (PDS) Management. This shall provide a statement of the Contractor's ability to respond to Authority PDS task requests and method for initiating.

9. Training Management. This shall detail The Contractor's provided Training management services and how the Contractor intends to upkeep Training Pack Information, including informing the Authority should there be a change.

10. Technical Information Management. This shall detail The Contractor's provided technical information management services and how the Contractor intends to upkeep technical information, including informing the Authority should there be a change.

11. GFA Management. This shall detail how the Contractor will account and meet the Authority's GFA policy requirements for any GFA loaned to them.

12. Security Management. Describes the ILS activities which will be performed by the Contractor in producing Security related deliverables as specified in the contract.

13. Safety & Environmental Management. Describes how the Contractor shall carry out Safety Reviews and deliver and maintain the Safety Case Part 2 and Associated Hazard Log documents, including all supporting evidence.

14. Acceptance of BCLS Services. This shall detail the Contractor's intended method to demonstrate that the BCLS services have been 'Setup' and plans and procedures are all in place, in agreement with the Authority.

15. Following the agreement by the Authority of the BCLS 'Setup', this will initiate the start of the BCLS service. This will be used by the Authority as part of the Support Case evidence as part of the Authority's Logistic Support Date (LSD) milestone.

16. The Contractor shall be required to demonstrate to the Authority that the following BCLS services have been 'Setup':

a. Incident and Observation Management regime.

b. R&M Information Management.

c. Repair Management.

d. Training Management.

e. Technical Support Management.

f. Software Support Management.

g. Supply Support Management.

h. GFA Management.

i. Security Management.

j. Safety and Environmental Management.

17. Quality Statement. Quality statement outlining the Contractor's approach to Quality Assurance.

18. Programme Plan and Milestone Schedule.

19. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms used in the Plan.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 037 Human Factors Integration Plan		
A. Unique ID: D-JFI DID 37 - HFI Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the D-JFI HFI Plan.

2. The effective Integration of all aspects of Human Factors within a complex engineering system such as that envisaged under D-JFI, is critical to ensuring the system can be utilised effectively by all its users. The HFI Plan will bring all these elements together in a coherent manner balancing the accessibility, operability, usability and portability of all aspects of the system to minimise user workload, physiological and cognitive burden.

G. Specifications:

1. Def Stan 00-600: ILS Requirements for MOD Projects Part1.

2. Ergonomics of Human-System Interaction - Part 210: Human-centred design for interactive systems. (ISO 9241-210:2019)

3. Def Stan 00-251.

H. Purpose:

1. To detail how Human Factors will be addressed, and a User Centred Design (UCD) processes implemented, to deliver the required level of Fight-ability and other aspects, e.g. Maintainability.

2. To define the organisation, stakeholders, outputs and methodology to ensure Human Factors activities are planned and accomplished in a timely and effective manner.

3. To provide both the Contractor and the Authority with assurance that the eventual solution will accommodate all appropriate Human Factors to enable the crew to operate the system effectively under all operating conditions.

4. To define the Contractor's approach to integrating all Human Factors aspects of the maturing D-JFI design through life.

I. Content and Composition:

1. The Plan shall demonstrate how the Contractor's Human Factors management is to be conducted (including sub-contractors) from the start of the Assessment Phase and through the project life cycle.

2. The Plan shall include full details of:

   a. Objectives

   b. Scope

   c. Purpose

d. Structure of the Plan.

3. The Plan shall include full details of inter-relationships with other project documents.

4. The Plan shall detail the organisation of those delivering the Human Factors and Fight ability activities (including subcontractors) and how their interactions will be managed to ensure the flow of information and completion of activities.

5. The Plan shall detail the competency requirements for those undertaking the Human Factors and Fight ability activities and how these will be managed. It shall also identify how SQEP HFI professionals are to be used in HF related workshops and design decisions.

6. The Plan shall detail how Human Factors Integration issues that impact other areas, such as Electronic Architecture (EA) (e.g. crew station, C4I, STA) and Supportability (Maintainability) shall be managed, and details of attendance at other working group meetings (as appropriate).

7. The Plan shall detail the Contractor's methods for monitoring and controlling progress against the Plan.

8. The Plan shall detail how progress shall be reported to the Authority.

9. The Plan shall detail the provision for the Authority to witness activities and review progress.

10. The Plan shall detail the process for implementing User Centred Design (UCD), including the provision for Subject Matter Expert (SME) and end User reviews, input and trials (Note: the UCD process is User centred not User lead, in that the Users' involvement is an input to the design in conjunction with other HF best practice in design activities). Specifically, the Plan shall demonstrate how the Contractor will comply with the process detailed in accordance with the specification at Section G Ser.3.

11. The Plan shall detail the Work Breakdown Structure for the Human Factors activities (extract from the Engineering Work Breakdown Structure), and include details of the methodologies of each HF activity. This shall include activities that are being led by other disciplines where Human Factors and Fight ability have an interest.

12. The Plan shall identify the key HFI outputs and activity milestones.

13. The Plan shall propose a log of all human factors meetings, decisions and activities undertaken, including how details of the outputs of every meeting and workshop will be recorded and delivered post-event within an agreed time-scale (also applicable to sub-contractor HF meetings).

14. The Plan shall provide details of all Fight ability / Human Factors Engineering activities / trials that are envisaged to demonstrate that the personnel / Human Machine Interface (HMI) / Human Computer Interaction (HCI) combination can accomplish the intended operation and maintenance functions in the System Task Analysis (DID 045) to an acceptable level or standard under conditions of expected use.

15. The Plan shall detail the Human Factors design development, test and evaluation activities which will inform future planning of D&M Phase activities.

16. The Plan shall provide details of how Computer Aided Design (CAD) data, crew station System Integration Laboratories (SILs), synthetic environments, System mock-ups and part / Vehicle prototypes will be used to support the human factors and Fight ability activities.

17. The Plan shall include details of Human Factors analytical methods, tools and techniques that the Contractor intends to use.

18. The Plan shall specify the human performance measures to be assessed during each trial; how Human Factors data will be gathered; and what techniques will be used in the transformation and combination of raw data.

19. The Plan shall identify when and for how long trials participants will be required for Product specialist training prior to the completion of any trials activity.

20. The Plan shall detail how, when and how many User representatives are involved in the programme activities and identify any requirements for specialist users such as Commanders, Maintainers, etc.

21. The Plan shall cover both physical ergonomics and cognitive impact assessment (including the potential for human error and workload assessment).

22. The Plan shall contain the following annex:

a. A Human Factors Integration Issues Register containing, issues, their status and actions taken to mitigate the risks. This should contain a clear delineation of both HFI design related risks and HFI programme related risks.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

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. Number of Copies

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).

D-JFI DID 043 – ILS Elements Plan		
A. Unique ID: D-JFI DID 43 - ILS Elements Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) identifies and describes the contractor's Integrated Logistic Support (ILS) Elements Plans. The plans describe the specific techniques to be used, tasks to be performed and the development and integration into the overall ILS / Supportability Analysis (SA) programme and related programmes. Individual Element Plans may be amalgamated and submitted as one plan for MOD acceptance.

2. The principle purpose of the plans is to provide the Authority with a basis for review and evaluation of the contractor's proposed ILS elements and their integration with the overall ILS and engineering programmes. They shall also identify the establishment of contractual ILS elements compliance requirements and for providing the milestone schedule.

3. The plan is the basic tool used to establish and execute an ILS element programme. When submitted in response to an Invitation to Negotiate (ITN) or Statement of Work (SOW), it shall be used in the source selection process.

4. This DID shall contain the content and preparation instructions for the ILS element plans and must contain each of the sections listed below. Where details are contained within a separate document, appropriate reference information shall be given. If there is no data or text requirement in any of the sections or sub-sections, the contractor shall enter 'NOT APPLICABLE' and justify the reasons.

G. Contracted Def Stan / Policy:

1. The ILS Elements Plan shall report on the analysis conducted during the Assessment Phase (AP) in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1, Part 2 & Part3.

   b. ILS Statement of Work (SOW).

   c. Def Stan 00-040 Part 1.

H. Content, Product Composition of the plan.

1. Introduction.

   a. Identification and description of the End Item / system to be provided.

   b. Identification of the contractor, contract number and contracting organisation.

   c. Identification of all element programme milestones.

2. Reliability Plan shall be in accordance with Def Stan 00-040 Part 1 and include the following:

a. Identification of the contractor's programme organisational structure responsible for reliability.

b. An explanation of how data selection, data flow, data storage and data control will be co-ordinated.

c. A description of the contractor's procedure for implementing the requirements of Failure Modes, Effects and Criticality Analysis (FMECA). The precise requirements are contained in DID 003 Criticality Analysis Report (CAR).

3. Maintainability Plan shall be in accordance with Def Stan 00-040 Part 1 and include the following:

a. Identification of the contractor's programme organisational structure responsible for maintainability.

b. An explanation of how data selection, data flow, data storage and data control will be co-ordinated.

c. A description of the contractor's procedure for implementing the requirements of Reliability-Centred Maintenance (RCM). The precise requirements are contained in DID 032 RCM Report.

d. A description of the contractor's procedure for implementing the requirements of a Level Of Repair Analysis (LORA). The precise requirements are contained in D-JFI DID 030 LORA programme plan and DID 004 LORA report.

4. Test and Evaluation Plan shall describe how testing and evaluation will be conducted to assist in the engineering design and development processes.

5. Human Factors Integration (HFI) Plan shall be in accordance with Def Stan 00-251, and include:

a. An explanation of how the End Item design will minimise human factor risks in all areas in order to promote safe, efficient and reliable operation.

b. An explanation of HFI process and its impact on human factors engineering, manpower, personnel, training, safety and health hazard assessments.

c. Identification of existing knowledge, skill and experience capabilities.

d. Identification of a training needs analysis and an explanation of how suitable courses will be implemented.

e. Details of how training effectiveness will be measured.

f. Identification of the process by which training courses will be updated and further developed as technical standards relating to the End Item evolve.

6. Facilities Plan shall contain the following:

a. Procedures for identification, justification, costing and development of new facilities.

b. A description as to how the requirements for purpose built facilities will be avoided or reduced to the minimum.

c. An explanation of the need for the identification of specialist facilities.

d. Plans for any modification to existing facilities.

7. Supply Support Plan shall be in a format compliant with Def Stan 00-600.

a. This shall be provided in accordance with the D-JFI DID 022 Support and Test Equipment (S&TE) Plan.

8. The Support Equipment Plan shall contain the following:

a. Explanation of optimum utilisation of existing In-Service Support Equipment, including the use of common tools or standard Test Equipment wherever possible and the avoidance of new Support Equipment and Special To Type Test Equipment (STTE).

b. A description of the requirement of, and justification for any proposed new Support Equipment.

c. A description of the requirements for hand tools, mechanical test equipment and electrical / electronic test equipment.

9. Technical Documentation Management Plan is addressed separately under D-JFI DID 011.

10. Packaging, Handling, Storage and Transportation (PHS&T) shall be in accordance with the requirements of Def Stan 81-041 and DEFCON 129 and include:

a. Identification of resources and methods for packaging, handling, storage and land, sea and air transportation with particular regard to policies, procedures, specific requirements and safety precautions.

b. Considerations relating to equipment disposal, to include any associated risks.

c. An explanation of any specific packaging and handling requirements.

d. An explanation of the use of bar coding.

11. A Software Support Plan shall be developed that includes the following:

a. Identification of the contractor's programme and organisational structure responsible for software support.

b. An explanation of how software support will be co-ordinated.

c. A description of the contractor's procedures for managing configuration control of software.

12. A Training and Training Equipment Plan shall be developed that includes the following:

a. Identification of the contractor's programme and organisational structure responsible for development of training requirements.

b. An explanation of how training needs analysis will be undertaken.

c. A description of how a system based approach to training will be delivered.

13. An Obsolescence Management Plan shall be developed that includes the following:

a. Identification of the contractor's programme and organisational structure responsible for obsolescence management.

b. Identification of the contractor's programme and organisational structure responsible for obsolescence management.

c. A description of the contractor's procedures for managing obsolescence.

14. A Disposal Plan shall be developed that includes the following:

a. Identification of the contractor's programme and organisational structure responsible for disposal issues.

b. An explanation of how disposal of items will be undertaken during in-service use and details regarding plans for disposal of the prime equipment, support items and surplus infrastructure at the end of its service life. c. A description of the contractor's procedures for managing the disposal programme.
I. Contract Delivery Date 1. As specified in the Schedule of Requirements.
J. Update / Further Submission Requirements 1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.
K. Medium of Delivery 1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media. 2. Hardcopy for definitive versions.
L. Number of Copies 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).

D-JFI DID 045 – System Task Analysis		
A. Unique ID: D-JFI DID 45 - STA	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the D-JFI System Task Analysis [D-JFI STA].

2. Capturing a clear understanding of the tasks which D-JFI Users (including Crew and Maintainers) will need to undertake in order to fulfil their military roles is key to ensuring the overall effectiveness of the platform in its operating context. User tasks are varied and require significant levels of coordination. The design of these tasks both individually and as a whole, must ensure an appropriate balance of workload, physiological and cognitive burden. While the role of D-JFI is expected to be similar to FIRESTORM, and therefore many of the User tasks may remain extant, there is potential for change within tasks and reallocation of tasks between Users dependent upon the technical solution developed.

3. The aim of the D-JFI STA is to provide both the Contractor and the Authority with assurance that all User tasks pertinent to D-JFI have been captured and understood in detail as a basis for ensuring the solution provides the Users with the ability and means to undertake these tasks effectively.

4. The D-JFI STA shall define the Contractor's derivation of the User tasks pertaining to the maturing D-JFI design throughout the Assessment Phase (AP).

G. Contracted Def Stan / Policy:

1. The ILS System Task Analysis shall report on the analysis conducted during the Assessment Phase (AP) in accordance with:

   a. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

   b. ILS Statement of Work (SOW).

H. Content, Product Composition of the Analysis.

1. The Contractor shall develop a comprehensive Task Analysis for the D-JFI System. This D-JFI STA shall be derived from the extant FIRESTORM tasks, through engagement with the Authority and the User and will form the benchmark against which the D-JFI System shall be measured, in terms of satisfactorily achieving those tasks.

2. The D-JFI STA shall contain a level of detail sufficient to inform the Training Needs Analysis (TNA), maintainability and trials development processes. It shall be traceable to the Job Scalars and SRD to the satisfaction of the Authority.

3. The D-JFI STA shall be used as a verification tool and shall therefore contain sufficient detail to feed into measurable HFI test serials. Safety and mission critical tasks shall be highlighted and prioritised.

4. The D-JFI STA shall describe each human task in terms of:

a. The name and description of each task.

b. Information required by operator / maintainer, including cues for task initiation.

c. Information available to operator / maintainer.

d. Actions that each User shall complete to accomplish the task, including physical actions / button presses, responses to specific information, responses to combinations of information, and self-initiated actions. Described in terms of visual information, auditory information, and psychomotor inputs or actions (speech or physical actions).

e. Systems, equipment and/or tools required to perform task.

f. Number of personnel required, and their competencies and experience.

g. Allocation of tasks between Users.

h. Details of automated tasks / functions.

i. Job aids, training and / or references required.

j. Communications required (between humans and with systems), including type of communications.

k. Special hazards involved.

l. Operator interaction where more than one crew member is involved.

m. Sequence and dependencies of the tasks.

I. Contract Delivery Date

1. As specified in the Schedule of Requirements.

J. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

K. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.

L. Number of Copies

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).

D-JFI DID 050 – Technical Documentation		
A. Unique ID: D-JFI DID 50 - TD	B. Issue: 10	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Plan.

2. D-JFI Data Item Dictionary Relationship.

3. Defence Logistics Framework (DLF) – Design & Engineering, ILS.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. This Data Item Description (DID) contains the requirement for the format and content of the Product's Technical Documentation.

2. The scope of Technical Documentation, including category and / or sub-category which is adopted for the Product, shall reflect the agreed scope of technical documentation as described in the Technical Documentation Management Plan (TDMP) and / or alternative management plan in agreement with the Authority.

3. All technical publications shall be subject to verification and validation, including User / Maintainer practical evaluations to ensure publications can be understood and are relevant and accurate.

4. 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 reason.

G. Specifications:

1. Each Technical Documentation category and or sub-category shall reflect the agreed requirements as specified in the:

   a. Def Stan 00-600: ILS Requirements for MOD Projects Part 1 & Part 3.

   b. Def Stan 00-601, Part 4, MOD Business Rules – Contracting for Technical Documentation.

   c. AESP 0100-P-001-010 - AESP POLICY GUIDE TO SYSTEM MANAGEMENT must be used in conjunction with the above Def Stan.

   d. North Atlantic Treaty Organisation (NATO) Codification process.

   e. ILS Statement of Work (SOW).

   f. Contract Data Requirements List (CDRL).

H. Purpose of Technical Documentation:

1. The purpose of the Product's Technical Documentation is to:

   a. Provide confidence against the Specifications as listed in Section G.

   b. Provide the Authority with the Product's Technical Information to enable the:

      1) Operational planning forecasts and material assessments for use in a particular environment(s) and / or situation(s).

2) Forecasting and planning of the Product's upkeep and maintenance programmes throughout its planned life, when the product is both In-Use and Out-of-Use.

3) User / Operator and/or Maintainer to manage, train, operate, maintain, handle, store, transport and dispose of the Product against the Contractor's recommendations. This is to ensure the Product is used, operated, maintained and conditioned within the acceptable tolerances as specified in the Product's Certificate of Conformity.

4) Safe use, Operation, maintenance, training, handling and Storage instructions and procedures of the Product. This includes legislative and / or Environmental regulations providing the User / Operator and / or Maintainer with the cautions, warnings, and instructions in the safe Operation and upkeep of the Product, including disposal of the Product.

c. User / Operator and / or Maintainer to identify and request initial and / or replacement Product resources, Parts, Tools, S&TE, Facilities and / or related Instructions in the safe Operation and upkeep of the Product.

d. Technically accurate, relevant and up-to-date advice and guidance to the User / Operator and Maintainer in the safe Operation and maintenance of the Product.

I. Detailed Contents of Technical Documentation:

1. Details the User Operator Instructions detailing how the equipment is used and Operated, including User / Operator upkeep maintenance instructions.

2. Details safety, environmental and hazard precautions and processes in operating and maintaining the Product.

3. Details the Product's technical specification performance and design information to provide Supplementary data for the User / Operator and / or Maintainer, in their understanding of the Product and its behaviour. This information is key data in the efficient Operation, failure diagnosis and maintenance upkeep interfaces of the Product's technical documentation suite.

4. Details the technical guides and process logic flow diagrams to assist the User / Operator and Maintainer in locating, understanding and diagnosing the function and / or failure, to the Product's sequence of functions or specific function and/or component failure / fault.

5. Details how a repair, function is to be performed including supporting diagrams and drawings to ensure all instructions are clear and easy to follow by the User and Maintainer.

6. Details the technical standard of acceptable tolerances for the inspection and repair including the sentencing of the equipment and associated components.

7. Details any required tools, spares, facilities, safety instructions and support publications required for the Operational use and maintenance of the equipment.

8. Details Scheduled maintenance schedules and resources for In-Use and Out-of-Use, catering for when the Product is fielded and housed in warehousing facilities.

9. Details the Maintainer instructions, tasks and activities which are performed by the agreed Level of Maintainer, including the location and facilities where performed as agreed through the Level of Repair Analysis.

10. Details The Product's Components which are issued to the User / Operator in the Complete Equipment Schedule (CES) for them to manage and account for.

11. Details the Illustrated Parts Lists (IPL) and/or Illustrated Parts Catalogue (IPC) of the Product to enable the User / Operator and / or Maintainer to identify the part requiring Initial demand and / or replacement demand as a result of a failure or potential failure.

12. Details the configuration control and indenture of the Product's Bill of Material.

13. Details how a modification is embodied by the User and / or Maintainer where the equipment is agreed by the Authority to require modification post product design freeze. Modifications also include general instructions relating to part changes that are outside of the parts catalogue / CES.

14. Quality Statement. Quality statement outlining the Contractor's approach to Quality Assurance (QA).

15. Glossary, Acronyms and Terms. Contains glossary of all acronyms and special terms used in Technical Documentation.

J. Contract Delivery Date

1. As identified in the Project Schedule.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

1. Electronic (MS Office 2010 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Hardcopy for definitive versions.

M. Number of Copies

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).

D-JFI DID 054 – Earned Value Management Plan (EVMP)

A. Unique ID:	B. Issue:	C. Issue Date:
D-JFI DID 054 - EVMP	1.0	

D. Applicable Standards:

1. Nominated EV Standard.

2. Integrated Baseline Reviews will be conducted in accordance with Association for Project Management, A Guide to Conducting Integrated Baseline Reviews (IBR) 2016 or the EIA-748 Standard or nominated standard as appropriate.

E. Equipment / Equipment Subsystem Description:

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The Authority will use the EVMP to:

   a. Gain confidence that the full scope of work related to the Earned Value Management System (EVMS) contractual requirements, together with associated system implementation risk have been captured and are within the plan for implementation of a compliant EVMS on the Contract.

   b. Review and assess the Contractor's proposed EVMS for:

      1) Compliance with the requirements of the Contract;

      2) The EVMS ability to support effective Contract Management; and

      3) The EVMS ability to meet the Authority's data requirements.

   c. Understand the design and functionality of the Contractor's EVMS as the basis for conduct of EVMS related reviews;

   d. Gain confidence that the Contractor has appropriate controls procedures in place to maintain a compliant system during the course of the Contract; and,

   e. Form a basis for assessing the ongoing compliance of the EVMS.

2. The EVMP is subordinate to the Project Management Plan (PMP) where this document exists.

G. References:

1. Association for Project Management (APM).

   a. Earned Value Management: APM Guidelines (2008),

   b. The Earned Value Management Compass (APM,2010)

   c. The Earned Value Management Handbook (APM,2013)

   d. A Guide to Conducting Integrated Baseline Reviews (IBR) (2016]

2. Electronic Industries Alliance 748 (EIA-748) EVMS Standard

3. DE&S Guide: EVM – Contract Performance Report Completion Guidance

4. DCMA Fourteen Point Schedule Health Check.

H. Purpose of the EVMP:

1. The EVMP documents the Contractor's plans, methodologies and processes for ensuring compliance to the EVMS requirements of the Contract. The EVMP shall include a description of the system structure and data flows, Project Controls System Description (PCSD), plans for implementation and subsequent review and maintenance of the Contractor's EVMS. If the Authority agrees that a standalone plan is not required, the EVM elements may be embedded in the Project Management Plan (PMP).

I. Content and Composition of the EVMP:

1. Requirements:

a. EVMP Overview

1) The EVMP shall describe the objectives, scope, constraints, and assumptions associated with the Contractor's EVMS activities related to this contract. Any risks identified with the Contractor's EVMS implementation and operation shall be documented in the Risk Register; however, the EVMP shall describe the risk management strategies associated with any EVMS implementation and operation related risks.

2) Configuration Management to be defined within the context of EV within the EVMP and related Change Control procedures.

b. EVM Implementation

1) The EVMP shall describe the processes and schedule that the Contractor intends to use to implement the EVMS including:

a) A description of the areas of non-compliance between the Contractor's current project management system and the EVMS contractual requirements

b) The corrective actions to be undertaken to rectify the areas of non-compliance, including the timeframes involved.

c) Identification of any new or modified procedures, an overview of the scope of the new or modified procedures, and the responsibilities and timeframes for developing and approving these procedures;

d) Identification of areas of risk to the proposed EVMS implementation and proposed mitigation strategy;

e) A summary of the implementation schedule, with the full implementation schedule being provided as part of the Contractor Master Schedule (CMS);

f) A description of activity to ensure subcontractor implementation of EV related contract requirements.

c. EVMS Description

1) The EVMP shall provide a description of the Contractor's EVMS that demonstrates compliance with the requirements of the contract covering all relevant EV Criteria as defined by the applicable standard. Where Contractor generated processes are referenced copies are to be provided to the Authority.

d. Contractor EVMS Assurance:

1) The EVMP shall describe the Contractor's EVMS quality assurance strategy to ensure that the EVMS remains compliant with the requirements of the Contract, including:

a) The criteria to determine that an EVMS Review is required; and,

b) The company roles/personnel involved in the reviews/activities.

2) Details of any continuous improvement process the company utilises. Results of Contractor Internal EVMS Assurance reviews and processes shall be shared with the Authority.

e. EVM Performance Reports

1) The EVMP shall describe the EVMS performance reporting processes and timescales used by the Contractor. The EVMP shall confirm adherence to the Contract Terms & Conditions by describing the reporting levels, structures and variance thresholds for the provision of CPR Formats 1, 3, and 5 including the standard reporting levels by CWBS element proposed for CPR Formats 1 and 5.

2) The EVMP shall detail the variance thresholds that, when exceeded, require the provision of CPR Format 5 and at what level of the CWBS.

3) The EVMP shall describe any variations to the reporting levels and variance thresholds as the Contract progresses or the risk profile change.

4) The EVMP shall confirm the electronic formats to be used for the provision of EVMS data to the Authority in order to facilitate data transfer and analysis.

5) The EVMP shall describe the level and methodology to produce trend data.

f. Data Integrity Checks

1) The EVMP shall detail the methodology and frequency of data, schedule and EV health checks.

g. EVM Related Reviews

1) The EVMP shall describe the facilities and support that will be provided to the Authority in support of IBRs. This should include but is not limited to:

a) The provision of supporting documentation to the Authority review team no later than 30 working days prior to a review;

b) All documentation shall be delivered electronically to the Authority;

c) Documentation delivered in support of a review shall be the final version that will be presented at the review unless otherwise agreed by the Authority;

d) Selected Control Account Managers (CAM) and Project Management & Control staff shall be available to support pre-planned interviews; and,

e) Access provisions are to be made for the review of documentation in electronic formats such as EVMS process and procedures, schedules, CPR CAM documentation and any related data requested to support the review.

h. EVM Flow Down to Major Subcontractors

1) The EVMP will detail a list of all significant Subcontracts (where the subcontractor portion of the overall contract cost is => 20% or £20M) incorporating the following information:

a) Subcontract title and description;

b) Subcontract type;

c) Subcontract value and Duration;

2) Subcontractor EVMS experience including standards that applied and any formal recognition of the applied EVMS.

3) The EVMS Description of Flow Down arrangements to each Subcontract shall include the following information:

a) Contractors Plans for assessing EV maturity to meet the Authority's EV Standards and Contract Requirements, including plans for Subcontractor Reviews and Surveillance. Note the Authority shall be given the opportunity to participate in these reviews in accordance with the Contract terms.

b) Plans for subcontract report data incorporation against WBS (CPR Format 1), Baseline Change (CPR Format 3), Variance Analysis (CPR Format 5), Schedule Reports (CPRFormat 6).

c) Proposed timing of Subcontract data incorporation

i. Preparation Instructions:

1) The data item shall comply with the general format, content and preparation instructions contained in this DID.

2) Where referenced information is included, it shall refer to the lower-level EVMS procedures, these referenced procedures and any related instructions shall be delivered as attachments to the EVMP.

3) The content requirements of this data item should be considered as the minimum standard that is required. It is not intended to constrain or otherwise restrict the inclusion of any content required to effectively develop the plan or implement the EVMS requirements of the Contract.

J. Contract Delivery Date:

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements:

L. The EVMS shall be updated 30 days prior to implementation significant changes to Contractor EVMS or EV approach.

M. Medium of Delivery:

1. Electronic (MS Office 2013 Word or Excel format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Additional hardcopy with ITN Response.

N. Number of Copies:

1. Two sets shall be provided (One set being deemed for the Authority's Master Library and One set for the verification of all documents necessary, to meet the requirements, referenced DStans and other referenced documents specified in Box G above.

D-JFI DID 055 – Contract Work Breakdown Structure (CWBS)		
A. Unique ID: D-JFI DID 055	B. Issue: 1.0	C. Issue Date:

D. Applicable Standards:

1. As per example provided in tender submission.

E. Equipment / Equipment Subsystem Description:

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

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. CWBS at the nominated reporting level will be used in the CPR Reports.

3. The CWBS is related to, and shall be consistent with the Contractor's Earned Value Management Plan (EVMP) (DID-PC- 001) and the Contractor Master Schedule (CMS) DID-PC-003.

4. The Contract Work Breakdown Structure (CWBS) is the Contractor's extension of the Authority Work Breakdown Structure (WBS) and forms the framework for Contract planning, management and status reporting and for estimating costs, schedule and technical achievements at completion

G. References:

1. Association for Project Management (APM).

   a. Earned Value Management: APM Guidelines (2008),

   b. The Earned Value Management Compass (APM,2010)

   c. The Earned Value Management Handbook (APM,2013)

   d. A Guide to Conducting Integrated Baseline Reviews (IBR) (2016]

2. Electronic Industries Alliance 748 (EIA-748) EVMS Standard

3. DE&S Guide: EVM – Contract Work Breakdown Structure Guidance

4. DCMA Fourteen Point Schedule Health Check.

H. Purpose of the Contract Work Breakdown Structure (CWBS):

1. 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.

I. Content and Composition of the CWBS:

1. Requirements:

   1. The data item shall comply with the general format, content and preparation instructions contained in this DID.

      1. 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.

2. All contract scope must be included in the CWBS Dictionary.

3. 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.

4. 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.

5. The CWBS shall be consistent with the DPS where appropriate.

6. The CWBS will also include additional data as described below.

2. Contract Work Breakdown Structure

1. The CWBS structure is an hierarchical family tree arrangement of WBS elements, defined by:

1. Specific interface points to the Authority's WBS;

2. Incorporating any contractually required high-level WBS structure; and

3. Lower level elements of the Contractor's WBS necessary to provide an appropriate framework throughout the project for product and service definition and control. Including allowing invoicing alignment to CLINs to provide the Authority with P3M system monthly reconciliation.

2. The CWBS Structure shall comprise of:

1. CWBS/WBS Code. The preferred convention is to use a numeric structure starting with the Authority WBS Code for the relevant CWBS element.

2. CWBS Element Level. The level of the CWBS element.

3. CWBS Element Name. The title of the CWBS element using the specific name or nomenclature. The CWBS element names used in the CWBS Structure must be identical for the same element in the CWBS Dictionary.

3. Contract Work Breakdown Structure Dictionary

1. The CWBS Dictionary incudes narrative descriptions of each WBS element scope and reference data to support tracing to other documents. The following features should be included (where applicable to each level):

1. CWBS/WBS Code. The same codes used in the structure.

2. CWBS Element Level. The level of the CWBS element. It is desirable to note where the WBS element represents a Contractual Reporting Level, a Control Account, or, where relevant, a Work Package.

3. CWBS Element Name. Enter the same element names used in the CWBS structure.

4. CWBS Approved Changes. List of changes approved in the change control process

5. CWBS Element Status. Status of Scoping Statement (Draft/Approved)

6. Scoping Statement version number & Revision date

2. CWBS Scope Definition. Enter a complete description of the work content of each CWBS element. It is important that the Contractor specify all hardware and software equipment that are associated with each WBS element. The work content definition must include a short description of the process used to design, produce or sustain the end item or service. The description must address the types of activities (e.g., design, production, analysis, or management) included within the CWBS element. These descriptions must include information on whether the reporting Contractor or a Subcontractor is performing the work being described.

3. CWBS Dictionaries must reflect only the work that is being completed within the contract for which the document is being submitted.

1. If work is not expected to occur for a given CWBS element, the CWBS Dictionary definition must indicate that this element is not applicable.

2. If work at some elements is being performed by a Supplier/Subcontractor, the Dictionary must state this. Similarly, if the CWBS is for a subcontract/supplier, the work defined for each element must be specific to the Subcontractor/supplier's scope of effort and must not include the prime Contractor's work.

3. If there are Government Furnished Assets (GFA) items being integrated into the end item, it is not expected that a detailed description of those items is provided, however, all GFA items being integrated into the system as part of the contract must be labelled as such in the CWBS Dictionary under the appropriate elements.

4. Typical features of the Scope Definition include:

1. PURPOSE: One or two sentences summarising why the scope exists.

2. BOUNDARIES: Explicit statements of what is in or out of scope to describe the boundaries. Consider including things by exception (obvious boundaries don't need stating whereas more subtle boundaries will require more description). To add clarity, it is desirable to indicate where excluded scope is captured (e.g. alternate WBS/alternate Contract/ Customer)

3. STRATEGY: How is the scope to be delivered? Is it Prime Contractor Scope or is it to be subcontracted? Is the strategy summarised in policies or processes?

4. KEY ASSUMPTIONS and EXCLUSIONS: Any top-level assumptions and exclusions that have been made in the definition of this scope, identifying clear interface points in delivery, and subsequent planning. For example: 'It is assumed that System X's design will reuse the power-plant from System Y.' If this assumption were to change, it would likely have scope, time and cost implications and so the baseline would require a change proposal.

5. ACCEPTANCE CRITERIA: How will you know when the scope is complete (where appropriate, generally when there are deliverables/products).

6. DEPENDENCIES: Identify interdependencies with other WBS elements? If there is a particularly important dependency to another area of this project's WBS then consider including it. It is desirable to note the delivering WBS element. Interdependencies with of from the Authority should be identified and captured in accordance with the above instructions.

7. PRODUCTS/OUTPUTS: Insert the key deliverables particularly those that form dependencies to other WBS element (it is desirable to note the receiving WBS element) or contract deliverables or review requirements. Scope without deliverables is acceptable, but this should not be the norm.

8. Cross reference to the conditions of contract and Statement of Work (SOW) that informed the scope definition, or other traceability reference (a reference matrix for SOW clauses to the WBS may be desirable), or the applicable standards or references that determine the scope.

4. Subcontracted Activities

1. Subcontracted activities shall be identified in one or more separate WBS which shall be integrated into and identifiable within the CWBS. In the circumstance that one Subcontractor is supplying products to multiple CWBS elements or work packages:

1. The WBS shall maintain a product structure reflecting the specification tree;

2. The responsibility for specifying each product shall remain with the design engineer for the WBS element to which the product belongs;

3. The cost of each product shall remain with the WBS element to which it belongs; and

4. A commercially clean interface can be maintained with the Subcontractor by creating a Subcontract Management WBS element for each such Subcontract.

2. Preparation Instructions:

N/A

3. Data Format & Delivery Instructions

a. 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 EVMP.

b. 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.

J. Contract Delivery Date:

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements:

1. The CWBS shall be updated, in accordance with the Schedule of Requirements to reflect changes to the Plan as a result of the maturing D-JFI design.

L. Medium of Delivery:

1. Electronic (MS Office 2013 Word or Excel format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.
2. Additional hardcopy with ITN Response.

M. Number of Copies:

1. Two sets shall be provided (One set being deemed for the Authority's Master Library and One set for the verification of all documents necessary, to meet the requirements, referenced DStans and other referenced documents specified in Box G above.

D-JFI DID 056 – Contractor Master Schedule (CMS)

A. Unique ID	B. Issue:	C. Issue Date:
D-JFI DID 032 - CMS	1.0	

D. Applicable Standards:

1. Nominated EV Standard - unless otherwise stated in the Contract Terms and Conditions.

2. DE&S Scheduling guidance to comply with DE&S standard schedule quality health checks - unless otherwise stated in the Contract terms.

E. Equipment / Equipment Subsystem Description:

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The CMS describes the contracted activities, milestones and decision points to enable the objectives and deliverables of the contract to be satisfied. The CMS will define the project schedule status through a comparison of the current schedule status and appropriate accepted baseline schedule.

G. References:

1. Association for Project Management (APM).

   a. Earned Value Management: APM Guidelines (2008),

   b. The Earned Value Management Compass (APM,2010)

   c. The Earned Value Management Handbook (APM,2013)

   d. A Guide to Conducting Integrated Baseline Reviews (IBR) (2016]

2. Electronic Industries Alliance 748 (EIA-748) EVMS Standard

3. DE&S Guide: EVM – Contract Work Breakdown Structure Guidance

4. DCMA Fourteen Point Schedule Health Check.

H. Purpose of the Contractor Master Schedule (CMS):

1. The Authority will use the CMS to:

   a. Gain visibility into the Contractor's planning.

   b. Understand and evaluate the Contractors approach to meeting the requirements of the contract.

   c. Monitor Contractor progress in meeting the requirements of the contract.

   d. As a source of input when completing Authority planning activities.

   e. Understand the required touch points between the Contractor's and the Authority's work.

2. The CMS relates to the following documents required within the contract:

   a. Earned Value Management Plan (EVMP).

   b. Project Management Plan (PMP).

c. Contract Work Breakdown Structure (CWBS).

3. The CMS shall be traceable and integrated with:

a. The CWBS (DID-PC-002) – all activities and milestones on the schedule will be coded to the lowest level of the CWBS that represent the scope to which the activity pertains.

b. Contract Milestones – shall be clearly identifiable within the logic linked activity network.

c. The Contractor's EVMS – the integration of scope, schedule and budget will be undertaken around the CWBS, which will form the primary structure for EV Performance reporting.

d. Each submission of the CMS shall be consistent with the associated Contract Performance Report (CPR) delivered within this Contract.

I. Content and Composition of the CMS:

1. Requirements:

a. The CMS shall be capable of being displayed in a variety of formats to include;

1) A Gantt chart.

2) A listing of all tasks, together with planned (baseline and current progress including forecast) and actual start and finish dates.

3) A listing of project milestones (to include all contract milestones) together with original, rescheduled, forecast and actual completion dates.

4) All activity durations within the schedule shall be in days unless otherwise agreed by the Authority.

5) All resource units within the schedule shall be in hours unless otherwise agreed by the Authority.

b. The CMS shall be capable of being displayed at the following levels:

1) Summary Level – The Summary level of the CMS shall provide a graphical display of Contract activities, key events, and milestones at managerial significant level of the WBS.

2) Intermediate Level – The Intermediate Level of the CMS shall provide a graphical display of Contract activities, key events, and milestones at the control account level of the WBS. A CMS generated at the Intermediate Level shall be able to be rolled up to, and shall provide visibility of, the Summary Level.

3) Detailed Level – The Detailed Level of the CMS shall provide a graphical display of Contract activities, key events, and milestones at the work-package level of the WBS. A CMS generated at the Detailed Level shall be able to be rolled up to, and shall provide visibility of and access to, both the Intermediate Level and the Summary Level.

c. The CMS shall identify the following aspects:

1) Activities and associated durations.

2) Milestones, including Contract Milestones, Payment Milestones and significant project events.

3) The relationships and dependencies of activities and associated milestones that are to be completed within the scope of this contract.

4) Earliest and latest start and finish dates for all activities and associated milestones.

5) Total float and free float of the overall schedule.

6) Critical Path, list of activities on the critical path and those that are near the critical path from start through to completion of the contract.

7) Resource Profiles, depicting manpower, materials and equipment.

8) Subcontracting schedules to include all major sub-contract activities and outputs at the appropriate level of detail, reflecting complexity and risk.

9) Required Government Furnished Items (GFX) to include Government Furnished Equipment (GFE), Government Furnished Assets (GFA), Government Furnished Information (GFI), Government Furnished Structures (GFS) if applicable, together with 'required by' dates and 'end of loan dates'.

10) All non-working time such as holidays and known disruptions.

d. A Basis of Schedule (BOS) shall be produced and maintained under configuration control. The BOS should include the following:

1) How the CMS has been produced.

2) Detail methodologies used to establish estimated durations.

3) Key assumptions and exclusions.

4) Details of the standard working time and calendar that has been included.

5) Risks, including risk analysis techniques used, and any mitigations embedded in the schedule.

6) The standards used to establish duration lengths and use of constraints, ensuring no open ended activities and compliance with DE&S Schedule guidance.

7) The Configuration and assurance procedures that will be used to manage and ensure the ongoing integrity of the CMS.

e. CMS Reports - The following reports are required:

1) Reports that describe and reflect the initial baseline

2) Subsequent approved changes that caused revision of the baseline.

3) A Schedule narrative shall be provided with the original baseline and any subsequent baseline revisions outlining how the schedule has been constructed, the key assumptions together. with the basis of estimate and logic of milestone selection and a description of the critical and near critical paths.

4) A set of Authority agreed schedule health metrics.

5) Schedule Risk Analysis shall be conducted on the Contractor schedule, at least quarterly and on the Authority's request, a Schedule Risk Analysis Report and electronic copies of the SRA schedule and the Contractor SRA models shall be provided to the Authority.

6) SRA analysis will be provided together with associated confidence figures for the deterministic baseline considering both uncertainty and risk (against a submitted risk register).

f. Progress Reports:

1) Electronic copy of the progressed schedule each reporting period that has formed the basis of the CPR for that period.

2) A Schedule narrative shall be provided with the progressed schedule outlining, the key assumptions underlying the progress and forecast together with the basis of estimate for key forecast activities where this is significantly different to the baseline, the impact and rationale of any significant logic changes and the resulting change to the schedule risk implications, and the resulting impact on key (including Contract) milestone and deliverables, if any. Analysis shall include a narrative description of the current Critical and near Path Analyses.

3) A set of agreed schedule health metrics for the submitted progressed schedule.

4) Schedule Risk Analysis shall be conducted on the Contractor schedule with a Schedule Analysis Report and copies of the SRA schedule being provided to the Authority. SRA analysis will be provided together with associated confidence figures for the deterministic baseline considering both uncertainty and risk (against a submitted risk register) and uncertainty.

g. Preparation Instructions:

1) The data item shall comply with the general format, content and preparation instructions contained in this DID.

2) The CMS shall be the primary schedule used for the contract; all other schedules produced in support of this are considered as subordinate to this primary schedule.

h. Data Format & Delivery Instructions:

1) 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.

2) 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 7 working days of the end of the reporting period unless otherwise specified in the Conditions of Contract.

3) A Control Level schedule hard copy as well as electronic submission in the native file format (P6, or alternate package supported by Terms & Conditions of Contract).

4) Each submission of the CMS shall be consistent with the associated Contract Performance Report (CPR).

J. Contract Delivery Date:

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements:

1. CMS Updates to be provided on a monthly basis, in accordance with the Schedule of Requirements.

L. Medium of Delivery:

1. Electronic (MS Office 2013 Word or Excel format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Additional hardcopy with ITN Response.

M. Number of Copies:

1. Two sets shall be provided (One set being deemed for the Authority's Master Library and One set for the verification of all documents necessary, to meet the requirements, referenced DStans and other referenced documents specified in Box G above.

D-JFI DID 057 – Contract Performance Report (CPR)		
A. Unique ID: D-JFI DID 057	B. Issue: 1.0	C. Issue Date:

D. Applicable Standards:

1. Nominated EV Standard - unless otherwise stated in the Contract Terms and Conditions.

E. Equipment / Equipment Subsystem Description:

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The CPRs are prepared by the Contractor to provide the Authority with earned value performance data designed to report multiple aspects of contract performance and future planning activity.

G. References:

1. Association for Project Management (APM).

   a. Earned Value Management: APM Guidelines (2008),

   b. The Earned Value Management Compass (APM,2010)

   c. The Earned Value Management Handbook (APM,2013)

   d. A Guide to Conducting Integrated Baseline Reviews (IBR) (2016]

2. Electronic Industries Alliance 748 (EIA-748) EVMS Standard

3. DE&S Guide: EVM – Contract Work Breakdown Structure Guidance

4. DCMA Fourteen Point Schedule Health Check.

H. Purpose of the Contract Performance Report (CPR):

1. The Authority will use the CPRs to:

   a. Assess and evaluate contract performance and as the basis for contract performance meetings and reviews;

   b. Assess the impact of existing and potential problems encountered resulting in significant cost and schedule variances and as the basis for discussing potential mitigation actions.

   c. Provide accurate, timely status information to aid Authority view of Contractor performance and as the basis for summarisation of performance across the Authority.

   d. CPRs directly relate to the requirements specified in the Earned Value Management Plan (EVMP) and reconcile to progress incorporated in any related status reports that may be required within the scope of the Project Management Plan (PMP) where required.

I. Content and Composition of the CPR:

1. Requirements:

   a. Data provided within the CPRs shall relate to the authorised contract work undertaken in support of this contract, demonstrating compliance to EV requirements.

   b. Data provided shall include both priced and unpriced effort.

c. The level of detail required for each report shall be as agreed by the Authority. NOTE: Lower level detail may be required on an ad hoc basis in areas where a problem has occurred until such time that the Authority is content to return to the higher level.

2. Preparation Instructions:

a. The content requirements of this data item should be considered as a minimum standard that is required. It is not intended to constrain or otherwise restrict the inclusion of any content required to effectively develop the plan or implement the EVMS requirements of the Contract.

b. Definitions for each cell and guidance on completing the CPR's can be found in DE&S document EVM – Contract Performance Report Completion Guidance.

3. Data Format & Delivery Instructions:

a. The data item shall comply with the general format, content and preparation instructions contained in this DID.

b. CPRs are to be delivered in both static and electronic format to the Authority and in accordance with the CDRL timescales. Electronic format shall permit drill down to the lowest level where cost performance is captured.

c. Reports shall be delivered on a monthly basis.

d. Ensure that reports apply agreed variance thresholds to ensure completeness of CPR format 5 narratives.

e. Agree time increments to be used for baseline, resource, historical & forecast projections required within format 7.

4. Examples of Format 1, 3 and 5 reports are provided.

a. Format 1 – Measures cost and schedule performance by Work Breakdown Structure (WBS) elements at the appropriate material level agreed with the Authority to represent a managerially significant breakdown of the work.

b. Format 3 – Provides the Performance Measurement Baseline (PMB), and records changes to the PMB implemented during the reporting period. The PMB is represented as a time-phased budget baseline plan against which performance is measured.

c. Format 5 – Narrative report used to explain significant cost and schedule variances together with other related Contractor problems. Significant variances are those that exceed the contracted thresholds for these variances.

d. Format 6 – Provided by reports from the Contractor Master Schedule.

J. Contract Delivery Date:

1. Initial delivery – Contract Award + 60 days

K. Update / Further Submission Requirements:

1. Subsequent Delivery – end of calendar month +7 working days

L. Medium of Delivery:

1. Electronic (MS Office 2013 Word or Excel format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Additional hardcopy with ITN Response.

M. Number of Copies:

1. Two sets shall be provided (One set being deemed for the Authority's Master Library and One set for the verification of all documents necessary, to meet the requirements, referenced DStans and other referenced documents specified in Box G above.

D-JFI DID 058 – Training Needs Analysis (TNA)		
A. Unique ID: D-JFI DID 058 - TNA	B. Issue: 1.0	C. Issue Date:

ROLE SCALAR

1. **Duties**. Duties are the major functions, or areas of responsibility, of the Role. They have no specific start or finish and tend to be general in nature. A duty may be common to more than one Role. For complex Roles, or when analysing groups of Roles that share Duties, it may be necessary to apply more than one layer of Duties to build a meaningful Role Scalar; this is permissible where warranted. The Scalar numbering system should be adjusted accordingly to ensure consistency with the RPS.

2. **Tasks**. Tasks are the fundamental building blocks of a Role. A task is:

   a. A specific action.

   b. Performed by an individual.

   c. Recognised by a definite beginning and an end.

   d. Performed for a relatively short period of time (could be hours but rarely days).

   e. Observable and measurable.

3. **Sub-tasks**. Subordinate Tasks, usually referred to as ‘Sub-Tasks’, are the component parts of a primary task. Typically, they are carried out as part of a primary task, but not for their own sake. Depending on the nature of the primary task, there may be a variety of sub-tasks at various levels within the hierarchy, with some sub-tasks subordinate to other sub-tasks.

4. **Task Elements.** Task elements are sequenced step-by-step component of a sub-task. Where there is a need for a Process Standard for a Task but no such standard is laid down in a referenced publication, Sub-tasks and Task Elements may be used to construct a Process Standard within an RPS.

5. The usual convention for levels in a Role Scalar is shown below in Figure 2. Note that use of Task elements should be minimal and only where justified; Sub-Sub-Tasks will carry through to the RPS and should therefore usually be used instead.

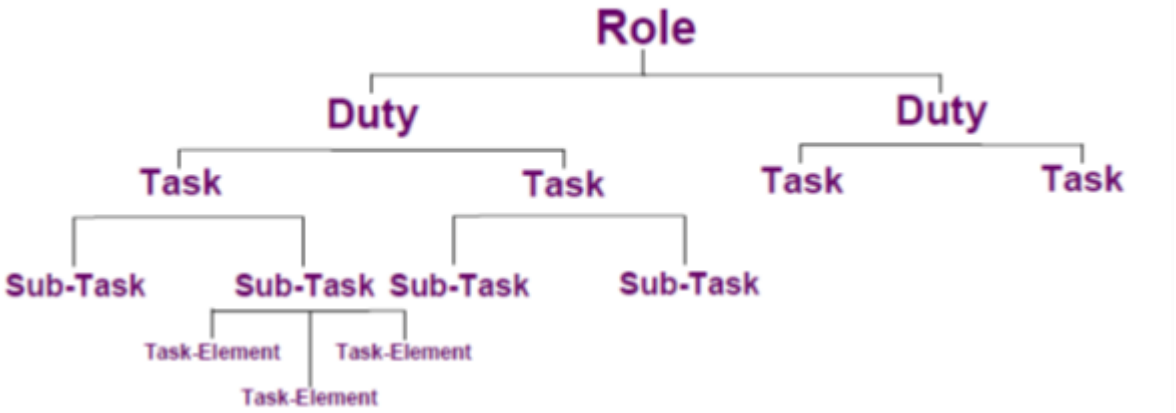

Figure 2: Role Scalar

6. **Role Scalar numbering system**. It is important to employ a hierarchical numbering system within a Role Scalar, as often it is cross-referenced to other training documentation. The numbering system should indicate the level and relationship of the particular components of the Role. An example of a numbering system is shown in Figure 3:

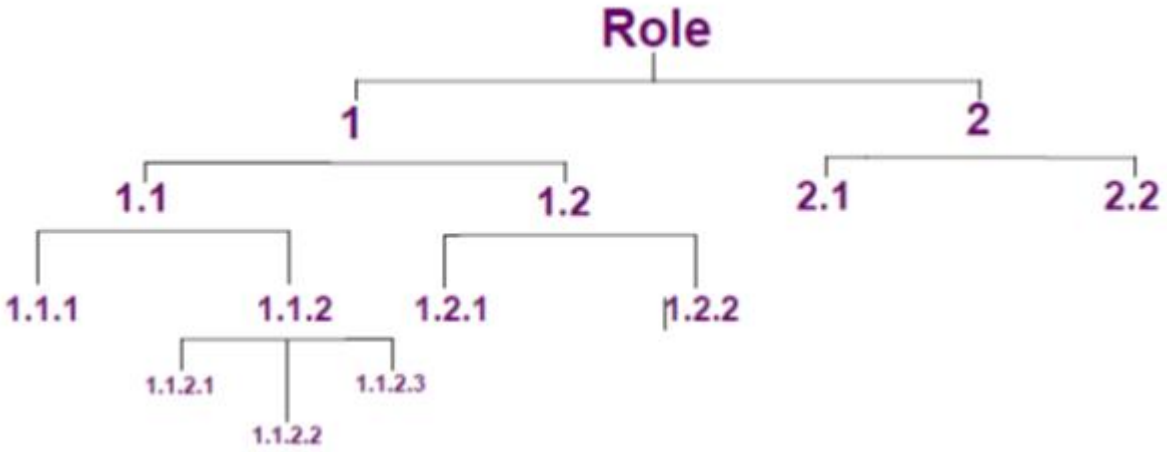

Figure 3: Role Scalar Numbering System

7. If changes to an extant RPS are being considered, analysts should investigate and take in to account the impact of any changes upon cross-references to the extant Role Scalar(s) from existing training documentation. This should normally include consultation with the custodian(s) of such training documentation.

DIFFICULTY, IMPORTANCE, FREQUENCY (DIF) ANALYSIS

8. Every Task should be analysed for its respective DIF. It should not be assumed that Sub-Tasks will share the same DIF profile as their parent Task, or other Sub-Tasks of the parent Task. Sound DIF analysis requires analysts to consult a suitable range of SMEs to get as balanced as possible a view of Task and Sub-Task difficulty, importance and frequency, and their respective discriminators. Table below should be used as criteria to discriminate between the levels of difficulty, importance and frequency for each task.

9. When DIF analysis includes multiple participants, disagreement and debate is normal and is usually very constructive. Once consolidated difficulty, importance and frequency conclusions have been reached for each Task and Sub Task should be taken forward to generate preliminary Training Categories for that Task/Sub Task using the algorithm in the table below. Variances between SME views should be resolved before calculating the provisional Training Category; it is not acceptable to calculate a set of provisional Training Category numbers and then use the average number as the provisional training category.

10. Detailed records of DIF analysis, detailing intermediate scores, variances between SME views and how significant disagreements were resolved, should be kept by the analyst(s) and made available to the customer/sponsor.

	Very	**Moderate**	**Low**
Difficulty	Requires high level of intellect and / or precision to conduct task. Is a complex task requiring ability to assimilate information from multiple sources. Will be performed under extremely challenging conditions. Is physically arduous.	Moderate level of intellect required to conduct task. Task is of moderate complexity requiring ability to handle information from single or few sources. Will be performed under difficult conditions. Requires some physical rigour.	Requires little significant intellectual ability to conduct task. Task is not complex. Will be performed under benign conditions. Routine physical demands. Performance at lower standards is not catastrophic.
Importance	Critical to success of operations. Critical enabler in delivering desired effect. Carries high risk of death or serious injury if not performed correctly. Could result in serious damage to equipment or infrastructure if not conducted correctly. Could compromise Top Secret or Secret material if not conducted correctly. Could	Contributes to success of operations. Contributes to delivery of desired effect. Carries moderate risk of serious injury if not performed correctly. Could result in minor damage to equipment or infrastructure if not performed correctly. Could compromise Confidential material if not conducted correctly. Could hinder ability to fully interoperate if not	Has little impact on success of operations. Has little impact on delivery of desired effect. Carries some risk of minor injury. Unlikely to result in damage to equipment or infrastructure. No significant risk to security. Will not impact ability to interoperate. Failure will have limited financial

	jeopardise ability to interoperate if not performed correctly. Failure would have significant financial ramifications. Legally required to conduct task correctly.	conducted correctly. Failure could have financial impact up to £1m. Policy guidelines to conduct task.	impact. No policy or legal directions.
Frequency	Performed daily, weekly or more than once per month.	Performed monthly or more than once every three months.	Performed once every three

Difficulty	Importance	Frequency	Training Category
Very Difficult	Very Important	Very Frequent	2
		Moderately Frequent	1
		Infrequent	1
	Moderately Important	Very Frequent	2
		Moderately Frequent	2
		Infrequent	1
	Not Important	Very Frequent	3
		Moderately Frequent	3
		Infrequent	2
Moderately Difficult	Very Important	Very Frequent	2
		Moderately Frequent	2
		Infrequent	2
	Moderately Important	Very Frequent	3
		Moderately Frequent	2
		Infrequent	2
	Not Important	Very Frequent	3
		Moderately Frequent	4
		Infrequent	5
Not Difficult	Very Important	Very Frequent	3
		Moderately Frequent	3
		Infrequent	2
	Moderately Important	Very Frequent	3
		Moderately Frequent	4
		Infrequent	4
	Not Important	Very Frequent	5
		Moderately Frequent	6
		Infrequent	6

Table 2. A DIF Analysis Algorithm

ROLE PERFORMANCE STATEMENT (RPS)

Task Structure.

11. Tasks are comprised of 3 components, as shown in the table below:

Tasks (Three Part Format)

Performance	***Conditions***	***Standard***

(Performance statement)	*(Conditions statement)*	*(Standards statement)*
what the Role holder should be able to DO in the Role....	*with WHAT and WHERE....*	*and HOW well.*
Use an observable and measurable action verb.	*Specify the circumstances of the performance in the Role*	*State the standard to be achieved for the performance in the Role.*
Detailed in the Role Scalar and RPS	*Detailed in the RPS*	*Detailed in the RPS*

12. Tasks are the fundamental building blocks of a Role and much of the necessary detail used in subsequent stages of TNA, and to then develop training, is contained within them; it is therefore essential that the Performance, Conditions and Standards identified in the RPS reflect the realities of the Role. **'Reverse engineering' of Tasks from existing or desired training content is not acceptable**.

Writing Performance Statements

13. The Performance statement, the first of the three components of any task, is a clear, concise statement of the performance required. It represents a logical and complete part of a Duty within a Role and is observable and measurable. A properly constructed Performance Statement answers the question 'what does the Role holder have to do?' It must be a single statement containing an action verb, the object of the action and any necessary qualifier as illustrated in the table below. The choice of verb for the Performance statement is critical. Verbs such as 'know' or 'understand' do not adequately define an action on the part of the member and are not observable or measurable. 'Diagnose', 'assess', 'select', 'identify', 'distinguish' are much more readily witnessed and can be assessed more easily.

14. The table below illustrates examples of good and poor practice in task performance statement writing:

Good Practice	**Comments / Examples**
Use one action verb	The Performance statement must describe an observable activity **Good:** Control travel expenses **Poor:** Plan, organise and control travel expenses. A Performance statement should be built around a single action verb; it is not a list of sub-tasks.
Consider end product in selecting action verb	End product of overall performance can indicate best action verb to use **Good:** Weld pipe **Poor:** Use welding equipment.
Focus on action, not knowledge	Critical knowledge requirements will be captured at a later stage

	Good: Advise commanders on laws of armed conflict. **Poor:** Demonstrate a thorough knowledge of the laws of armed conflict.

15. Often the Performance statement of a Task (without Conditions or Standards) is necessary and useful in its own right (i.e. when producing a Role Scalar). However, the task is only complete when all components (i.e. Performance, Conditions and Standards) are present. In RA, the content of Tasks may develop or be refined as the RA continues and as the information available matures; this is very likely to happen in Acquisition projects as they progress through the CADMID cycle. Where all or part of any component of a Task is not yet known, the 'known unknown' information should be indicated, and the Task(s) should be identified clearly as being 'draft' or 'provisional'.

16. In addition, the Task Performance statement should include the following elements:

Element	**Task Performance example**	**Description / Comment**
Action verb :	Obtain	Describes what action is being done. First word is a statement. Only one action verb is used.
Object:	a blood specimen	Identifies what is being acted on. Usually, only one object is used in the statement.
Necessary qualifier:	by venepuncture	Distinguishes venepuncture from other means of obtaining blood samples (only used if required

Specifying Conditions

17. Conditions statements describe the situation under which the action specified in the performance statement must be completed. Conditions statements are often written in terms of what will be 'given' (available to) or 'denied' (not available to) the service member while performing the required task and in what environment the task will be performed. Conditions should reflect the work situation as accurately as possible but include only those factors that influence job performance: An exhaustive list of every trivial condition is not necessary and detracts from the value of the RPS. Conditions that do not impact on Task or Sub-Task performance do not require statements.

18. Since the Conditions may be critical in determining future Training Gaps, informing training design and helping to justify resources, they should be documented as accurately and closely as possible to the actual conditions in the workplace. Each Task and Sub-Task must therefore have a full Conditions statement clearly linked to its Performance statement (not a key to a list of Conditions located elsewhere).

19. It is recognised that Sub-Tasks will usually (although not always) share identical Conditions to their parent Task. In such cases it is not necessary to repeat the full Conditions statement; instead,

having checked and confirmed the commonality, a positive statement linking to the Conditions of the parent Task may be made (i.e. for Sub Task 1.3.1: “Conditions as per Task 1.3”).

20. **Conditions:** It is required that Conditions are analysed and recorded specifically at the Task and Sub-Task levels. **A set of generic ‘blanket’ Conditions covering all eventualities is not acceptable**. The tables below illustrate examples of the use of various types of Conditions.

Specifying Standards

21. Standards statements indicate the required level of performance by describing the acceptable level of performance to all concerned: trainees, designers, instructors, units and command authorities as such, they will provide direction for the scope and limits of the training. Standards statements are used to:

a. Define the desired level of performance from an end user perspective.

b. Identify individuals who can satisfactorily perform the task and those who cannot.

c. Indicate to designers and instructors the level of proficiency which trainees must eventually attain.

22. Accurate Standards are required for the subsequent design of relevant and valid assessments. It is therefore imperative that Standards statements reflect actual Role requirements: they must be neither arbitrarily demanding nor too easy. If Standards are too demanding, they may reflect an unrealistic ideal, and generate unnecessary training costs. If Standards are too easy, trainees may not achieve the required capability to carry out their Role responsibilities.

23. **Standards: Good:** It is required that Standards are analysed and recorded specifically at the Task and Sub-Task levels. **A set of generic ‘blanket’ Standards covering all eventualities is not acceptable**. Three types of Standards can be used, as described in the table below.

24. **Referencing Standards within other documents**. Where auditable official publications detail relevant Standards it is valuable to refer to these in the RPS; this prevents contradictions and keeps the RPS to a workable size. When referring to other publications, analysts are to consider the purpose of the RPS as the basis of subsequent work to develop training: the guiding principle should be to assist the next user of the document to find the information relevant to the Standard(s) quickly and easily. Therefore:

a. Whilst it may be convenient to the analyst to use a key to refer to a ‘master list’ of reference publications, this can be very inconvenient and difficult for a training designer or other user to follow and use and therefore this is considered poor practice.

b. The analyst is expected to check any reference publication(s) cited in Standards to confirm that a relevant Process, Product or Combination Standard is actually present within the document.

c. Judgement must be applied in the level of detail given in each reference. For example, JSP 440 is a very large document comprising 8 multi-section Parts and Supplements. Stating “*in accordance with JSP 440*” therefore gives the next user an unacceptable burden to trace the detail

of the Standard. As a baseline expectation, the relevant Publication, Volume/Part and Chapter(s) should normally be specified in every Standard.

Note: JSP 440 is not to be issued to Contractors as it is such an in-depth document which offers potential sensitive information outside of any specific contract that could provide access to sensitive information.

d. Publications referenced within Standards should be chosen to avoid variability: i.e. '*in accordance with Unit Standing Orders*' leaves open the possibility of variation between Standing Orders of different units, and therefore should be avoided.

Prioritisation of Training - Training Categories

25. A thoroughly conducted RA will be wide ranging and will consider levels of supervision, work conditions, difficulties and distastes, frequency of task performance, percentage of personnel performing the job, likely job changes and consequences of inadequate performance.

26. All of this information, in conjunction with information on trainee entry standards, trainee throughput and knowledge of the likely training environment, can lead to conclusions regarding the balance between formal training course and workplace training. These conclusions should be expressed through the use of training categories, summarised in the table below.

27. Training Categories are designed to give an **indication** as to where the training should take place and to what fidelity it should be delivered. They should provide a basis for any balance of investment decisions.

Training Category	Definition
1	By the end of the training activity the trainees will have performed the whole task several times, to the full Role Standard, and under realistic scenarios and conditions in which the physical, functional and environmental fidelities were accurately reproduced. The trainee will be able to perform the task competently, immediately on arrival in the workplace.
2	By the end of the training activity the trainee will have performed the whole task at least once to full Role Standards, under realistic physical, functional and environmental conditions and in a realistic scenario. The trainee should be able to perform the task on arrival in the workplace.
3	By the end of the training activity the trainee will have performed the whole task in a training environment to a lesser Standard than required in the Role (safety Standards to be met in full).
4	By the end of the training activity the trainee will have demonstrated an adequate level of underpinning Knowledge and principles required but will not have applied it to develop the Skills required to perform the task
5	All training delivered in, or under the auspices of, the workplace.
6	Trainees do not require any training

Types of Conditions

Type of Condition	Description	Examples
Tools and Equipment*	Tools, equipment, clothing, replacement parts, etc. that are either provided or denied to the service member whilst carrying out the performance.	Using Electronic Chart Display and Information System (ECDIS). Given a multimeter and a torch. Wearing full CBRN IPE
Supervision	Level / degree of supervision that will be provided to, or required of, the service member during performance.	Under direction of section commander. Supervising a junior technician.
Job aids, reference manuals and materials	Documentation that is either provided or denied to the service member while carrying out the performance.	Given a procedural checklist. Without reference to written Standard Operating Procedures (SOPs). With access to Technical manuals.
Environment	The location, terrain, weather, climate, threat, time, etc. under which the performance will be carried out where this is integral to the performance of the task.	In extreme cold weather. At night / in total darkness. Under enemy fire.
Assistance	Assistance (if any) that will be provided to the service member during performance	Assisted by another operator.
Special physical and psychological demands	The psychological, physical and social factors associated with task performance.	In a confined workspace. In a noisy distracting area. For a prolonged period with little opportunity for sleep.
Cues	The reason(s) why task performance is initiated by the service member or for performing it in a certain way. Can involve stimulation of one or more of the senses.	Immediately, on hearing the general alarm. When piped to the scene of the incident.
Limitations	Describes limitations (security, safety or legislative) to the range of performance.	In ambient temperatures not exceeding 35^{o} C.

Types of Standard

Type of Standard	Description	Use when	Examples
Product Standards	Provides description of acceptable result of performance. If the product standard is detailed in another publication this should be precisely referenced.	Only one specific product is acceptable. Quality or product is not substantially affected by process. Finished product is observable.	All blocks of the travel order claim are completed in accordance with actual itinerary, with maximum allowable amounts as specified in A-AD-001, Ch. 4, Page 140 or checklist 3
Process Standards	Explains the sequence of sub-tasks and Task Elements to be performed in the process, when the sequence or procedure is critical to successful performance. If the process standard is detailed in another publication this should be precisely referenced.	Only one process is approved. Failure to use process could cause danger / damage to personnel / equipment. Process is observable and measurable, but product is not.	1. All power is shut off; (then) 2. All safety guards are installed. (then) 3. All bearings are lubricated. In accordance with AESP 601.

Combination of Product and Process Standards	Lists sub-tasks and a description of the acceptable product when both process and product are important measures of success.	Both process and product are important Failure to use correct process could cause danger / damage to personnel / equipment Process and product are observable and measurable	All faults are located. All defective components are replaced. Repaired equipment operates in accordance with manufacturer's specifications as listed in AESP/IETP.,

D-JFI DID 059 – Course Training Package (CTP)		
A. Unique ID:	**B. Issue:**	**C. Issue Date:**
D-JFI DID 059 - CTP	**1.0**	

KNOWLEDGE, SKILL AND ATTITUDE (KSA) ANALYSIS

1. KSA analysis is systematic analysis of Role Performances, Conditions and Standards in order to identify the necessary KSA required to perform the Role. A KSA Analysis moves on from what the Role holder does (captured in the Role Scalar and RPS), to identifying the KSA that have to be learned to successfully perform the task. The results of a KSA Analysis contribute to the generation of TOs and EOs, judgement of the most cost-effective Training Options and the selection of the most appropriate training Methods & Media. Judgement should be applied to ensure large swathes of trivial KSA are not listed and that KSA are identified with a suitable level of precision to enable the development of performable TOs/EOs. For example: claiming a necessary procedural skill is 'apply basic Mathematics' is imprecise; 'apply Ohms Law' or 'resolve speed/distance/time problems' is more precise and hence far more useful for TO/EO development.

KSA Categories

2. KSA can be divided into the following categories and sub-categories, combinations of which may apply to each Role PS task being analysed.

3. **Underpinning Knowledge.** The Knowledge required for successful Task completion should be categorised as:

4. **Factual Knowledge**. The basic elements that performers must know to be acquainted with a discipline or solve problems in it, which could include knowledge of:

   a. Terminology.

   b. Specific details and elements.

5. **Conceptual Knowledge**. The interrelationships among the elements within a larger structure that enable them to function together, which could include knowledge of:

   a. Classifications and categories.

   b. Principles and generalisations.

   c. Theories, models and structures.

6. **Procedural Knowledge**. Knowing how to do something; methods of inquiry, and criteria for using skills, algorithms, techniques and methods, which could include knowledge of:

   a. Subject-specific skills and algorithms.

b. Subject-specific techniques and methods.

c. Criteria for determining when to use appropriate procedures.

7. **Underpinning Skills.** The Skills required for successful Task completion should be categorised as:

a. **Physical Skills**. Organised and co-ordinated patterns of mental and/or physical activity. Physical skills may be built up gradually by repeated training or practice and can include:

1) Accurate, co-ordinated physical movements.

2) Consistent in physical actions.

3) Smooth, fluid and rapid physical actions.

b. **Perceptive Skills**. Using the senses to obtain cues that guide performance, which could include:

(1) Developing a mental image of an environment.

(2) Developing an awareness of an environment through physical sensation.

(3) Developing visual recognition/proficiency.

c. **Procedural Skills**. Using physical and practical skills in order to accomplish a specific and well characterised technical task.

d. **Complex Response Skills**. The skilful performance of motor acts that involve complex movement patterns. Proficiency is indicated by a quick, accurate and highly coordinated performance, requiring a minimum of energy.

e. **Adaptation Skills**. Skills are well developed and the individual can modify movement patterns to fit special requirements:

1) Responds effectively to unexpected experiences.

2) Modifies instruction to meet needs of learners.

3) Perform a task with a machine that it was not originally intended for that purpose.

f. **Origination Skills**. Creating new movement patterns to fit a particular situation or specific problem.

8. Learning outcomes emphasise creativity based upon highly developed skills.

9. Constructs a new set or pattern of movements organised around a novel theory or concept.

10. Develops a new and comprehensive training programme.

11. **Underpinning Attitudes.** The attitudes required for successful task completion should be categorised as:

a.Openness to experience and willingness to hear.
b.Willingness to react and participate actively.
c.Ability to attach values and express personal opinions.
d.Ability to reconcile internal conflicts and develop value system.

Learning Specification.

Role Title		**RPS ID**	
TRA	SO2	**Task Ref**	
Performance	Control Surface to Surface Missile to hit a designated target		
Conditions			
Standards			
Underpinning Knowledge			
Factual			
Conceptual			
Procedural			
Underpinning Skills			
Physical			
Perceptive			
Complex response			
Adaptation			
Origination			
Underpinning Attitudes (Behavioural indicators)			
Safety focus			
Compliance			
Security focus			
Values			

COURSE DIRECTIVE

12. **Aim**. The aim of the Insert course title course is to train selected Soldiers within the Insert discipline (ACS/Close support) Community the necessary skills and to provide the required knowledge to enable the Soldier to perform the job tasks. On successful completion of the training course the soldier will be employed by the chain of command in accordance with his/her qualification.

13. **Amendments.** Amendments to the CTP must be checked by instructors prior to the delivery of the course.

14. **The course pre-requisite for this course is: Example below only – Insert correct info**

a.RA Communicator Part 2.

b.To be replaced by RA Basic signals course delivered at RSA for Regular/Reservists (Sept 15).

c.OPA Comms module.

d.Basic security clearance.

15. **Training Delivery.** The delivery of the training will be delivered as a single training event using the Course Training Package (CTP) provided by RATDT. The course has been designed to accommodate the loading of **10 students**. Units will have to cater for more students by increasing the course length to allow assessments to take place in accordance with the ASpec.

16. **Instructor Information.** The CTP is designed to provide instructors with the necessary training and assessment documentation to deliver and assess a successful training event.

- The delivery and assessment of Insert course title training must be conducted by qualified personnel. The correct number of Instructors and resources must be available to support the delivery and assessment of training.

- Instructors must allocate enough time to administer and deliver the training content to the required standards.

- Instruction and practice must be introduced in a logical and digestible sequence ensuring the student gains the required skill levels whilst also meeting the Training Objective Performances'.

17. **Attitude**. The development of changes to behaviour for the Insert course title is a significant part of the training. Instructors must set the correct attitudinal levels and demand high standards from the student during the training event. This can be done during group or individual discussion sessions, providing feedback on attitude levels towards their individual performance, whilst also understanding the importance of the tasks they perform during their job role.

18. **Learning Specifications (LSpecs).** An LSpec contains TOs and details of Enabling Objectives (EOs) and associated Key Learning Points (KLPs), the resource requirements and essential references and supporting delivery information. The main purpose of the LSpec is to control the execution of training, i.e. what is taught and how it is taught. The LSpecs is designed to be used by instructors to aid

in the development of their **lesson plans**. KLPs within the LSpec are essential pieces of information that provide the framework for the **lesson plan,** producing learning outcomes in the form of knowledge, skills and attitude. KLPs also inform the summative assessment content and therefore need to be part of training delivery in order for student to successfully complete the assessment.

19. **Period Allocation.** The periods allocated within the block syllabus, covers instruction, practise and the assessments. Night periods are outside of the daily routine and not within the overall total. The number of periods allocated for the training event is enough to achieve the training categories for all Training Objectives within the ISpecs. Course Officers must produce their own programme and submit it to RSA InVal when convening the training event.

20. **Assessment Documentation.** The Assessment Strategy (AStrat) states the overarching assessment policy for the training activity and includes the consequence of failure. It ensures tests and assessments are reliable, valid and administered correctly. The Assessment Specification (ASpec) describes the TO/EOs being assessed. It lists the assessment title, assessment programming, format and type of assessment and assessment duration details for each assessment. SSARS must be completed and returned to RSA InVal for each student.

D-JFI DID 60 – Training Assurance Plan		
A. Unique ID: D-JFI DID 060 - Training Assurance Plan	B. Issue: 1.0	C. Issue Date:

D. Related Information:

1. D-JFI Integrated Logistics Support (ILS) Statement of Work (SOW).

2. D-JFI Plans and Reports as detailed in the D-JFI Statement of Requirement (SOR).

3. Defence Logistics Framework (DLF) –Design & Engineering, ILS.

4. JSP 822 Defence Systems Approach to Training.

E. Equipment / Equipment Subsystem Description

1. Dismounted - Joint Fires Integrator (D-JFI) System.

F. Scope:

1. The Training Assurance Plan shall cover assurance of:

   a. Training Analysis.

   b. Training Design.

   c. Training Delivery.

2. The Report shall contain sufficient background material that it may be read as a stand-alone document and have a clear audit trail which ensures that all conclusions, options, recommendations and products can be traced back to source.

3. Evaluation[1], Audit[2] and Inspection[3] are grouped together under the overarching term ‘assurance’. The purpose of assuring training is to: ensure the quality of delivery and content; verify that the output matches the Training Requirement Authority’s (TRA) requirements and that the requirements are correct; and adherence to endorsed policy. Assurance activities do not focus solely on the provision of training (although this is a key activity) but also on the process and the Training System as a whole.

G. Contracted Def Stan / Policy: The Training Assurance Plan shall be delivered in accordance with:

1. Def-Stan 00-600 ILS Requirement for MOD Projects Part 1.

2. ILS Statement of Work (SOW).

3. Statement of Requirements Plans and Reports (P&R).

H. Purpose:

1. The purpose of the Training Assurance Plan is to detail the Contractor’s proposed activities for assuring their proposed training solution.

2. The plan shall provide confidence to stakeholders that the proposed training is conducted such that:

   a. The training is effective and meets the Defence requirement.

   b. It is in accordance with endorsed Defence training policy.

   c. It meets Defence’s Care and Welfare obligations.

d. It meets the requirements of UK legislation and any other appropriate national standards.

e. A culture of Continuous Improvement facilitated by regular self-assessment exists with all Training Providers, or all those involved in training activities.

I. Content:

1. The Training Assurance Plan shall include, as a minimum, the following:

a. Evaluation Strategy. This will include details of the training to be evaluated and how. It is to include:

1) Assessment Duration and Timings;

2) Identification of the training elements to be tested and Build Standard Details;

3) Organisation, Personnel and Responsibilities.

4) All assumptions used shall be documented.

b. InVal and ExVal. A specific sub-set of evaluation is Validation which is further split into InVal and ExVal.

1) InVal examines whether the Training Objectives are being met.

2) ExVal uses both qualitative and quantitative data to determine the degree to which training prepares individuals/teams for the specified Role and whether the Role remains valid.

c. Audits and inspections:

1) 1st party audit and inspection is assurance activity conducted for internal purposes by all parties for the activities they undertake themselves. This will form the basis of an organisation's self-declaration of conformity and provide the basis for C[4]I. CI is defined as recurring assurance activities that contribute to identifying improvements in the effectiveness and efficiency of training.

2) 2nd party audit and inspection is assurance activity conducted by Defence organisations external to the activities that are within the scope of the audit or inspection. 2nd party assurance must capture the whole Training System not just the training activity. Examples of such activities are the SCs' assurance teams who conduct 2nd party audits and inspections against the QMS and Common Inspection Framework (CIF) Key Questions. A 2nd party audit of a Training Provider can be prioritised using a risk-based approach but the aim should be to carry out a 2nd party audit every 2 years[5].

d. First party audit shall be conducted by the Training Provider and 2nd party by the Training Delivery Authority (TDA) or some other Defence organisation that is appropriate to the assurance need and capable of conducting external assurance. Activities undertaken by the TRA, TDA and Training Provider must be independently audited with appropriate regularity.

J. Contract Delivery Date

1. As specified in the Schedule of Requirements.

K. Update / Further Submission Requirements

1. Updates may be required throughout the programme to reflect Agreed Changes to the Programme.

L. Medium of Delivery

1. Electronic (MS Office 2013 compatible format for draft and definitive versions; and Adobe PDF compatible format for definitive versions) on optical media.

2. Additional hardcopy with ITN Response.

M. Number of Copies

1. Two sets shall be provided (One set being deemed for the Authority's Master Library and One set for the verification of all documents necessary, to meet the requirements, referenced DStans and other referenced documents specified in Box G above.