FIELD ELECTRICAL POWER SUPPLIES – SUPPORT SERVICE

Annex D – Appendix i – Integrated Logistic Support Plan (ILSP)

DOCUMENT CONFIGURATION CONTROL

This document, owned and maintained by the Authority, has been provided as a supporting Appendices to the Contract Data Requirement List (CDRL) document at Annex D, to provide supplementary information and guidance for the Integrated Logistic Support (ILS) CDR elements and processes.

This document will be amended internally by the Authority throughout the project and in-service lifecycle of Field Electrical Power Supplies – Support (FEPS-S) to support the project.

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Reference Documentation

Defence Standards (Def Stans)

Def Stan 00-035 Pt. 4: Environmental Handbook for Defence Materiel – Natural Environments
Def Stan 00-056 Pt. 1 Iss. 6: Safety Management Requirements for Defence Systems
Def Stan 05-057: Configuration Management Policy and Procedures for Defence Material
Def Stan 05-099: Managing Government Furnished Equipment in Industry
Def Stan 05-132: Marking of Service Materiel Items Using a Unique Item Identifier (UII)
Def Stan 00-600 Pt. 1: Integrated Logistic Support – Requirements for MOD Projects
Def Stan 00-600 Pt. 2: Integrated Logistic Support for MOD Projects – Supportability Case
Def Stan 00-600 Pt. 3: Integrated Logistic Support for MOD Projects – Logistic Information
Def Stan 00-601 Pt. 4: MOD Business Rules – Contracting for Technical Documentation – NON S1000D Business Rules
Def Stan 81-041: Packaging of Defence Materiel

Defence Conditions (DEFCONs)

DEFCON 117: Supply of Information for NATO Codification and Defence Inventory Introduction
DEFCON 129: Packaging (for Articles Other Than Munitions)

Joint Service Publications (JSPs)

JSP 800: Defence Movement and Transport Regulations

British Standards (BS)

BS EN 62402:2019: Obsolescence Management – Application Guide
BS EN 61340-5-1: Protection of Electronic Devices from Electrostatic Phenomena

Standardised Agreements (STANAGs)

3150 (Ed 8): Codification – Uniform System of Supply Classification
3151 (Ed 10): Codification – Uniform System of Item Identification

Preface

Integrated Logistic Support (ILS)

1. Integrated Logistic Support (ILS) is a disciplined management approach that can influence the product design and development of the Support Solution to optimise supportability and Through Life Finance (TLF). ILS is still required to tailor the Support even when the product selected is already developed or in service, is Commercial Off the Shelf (COTS) or Military Off the Shelf (MOTS), and therefore design decisions cannot be affected.

System Equipment Description

Introduction

2. General Purpose Power (GPP provides support for equipment including electrical power generators across the 2kW to 40kW range and electrical distribution equipment in both Three- and Single-Phase variants. It supports numerous applications in the Land Environment; to support command systems, communications equipment and deployable medical facilities. GPP is required in diverse climatic conditions across the world for extended periods and is therefore a key component of the Army's operating capability.

3. The equipment will be provided as Government Furnished Equipment (GFE). Below is a summary of the equipment variants to be supported within the Land Fleet Requirement, with the full and detailed requirement to be set out in Annex N;
    a. **[INFORMATION REDACTED] x Generator Set, Trailer Mounted, Diesel Engine Driven, 8/12kW, 230/400 VOLT, 50/60Hz**. Of which:
        i. [INFORMATION REDACTED] x Wading Variant
    b. **[INFORMATION REDACTED] x Generator Set, Trailer Mounted, Diesel Engine Driven, 16/24kW, 230/400 VOLT, 50/60Hz**. Of which:
        i. [INFORMATION REDACTED] x Wading Variant
    c. **[INFORMATION REDACTED] x Generator Set, Trailer Mounted, Diesel Engine Driven, 40kW, 230/400 VOLT, 50/60Hz**. Of which:
        i. [INFORMATION REDACTED] x Wading Variant
    d. **Cold Start Kits** (compatible with any FEPS variant) – Approx. [INFORMATION REDACTED]
    e. **Parallel Cables** (compatible with any FEPS variant) – Approx. [INFORMATION REDACTED]

Project Background

4. Field Electrical Power Supplies – Support (FEPS-S) - OI/0078 – seeks to manage the provision of fleet management, repair and maintenance services for a fleet of Authority-owned generators, which will be provided as Government Furnished Equipment (GFE).
5. This forms one component of the (GPP) capability and the delivery of the replacement provision, Manoeuvre Power (Man-P), in 2028 (estimated). Man-P is scoped to combine the entire GPP requirement into a single provision and is anticipated to be a competitive procurement.
6. **Single Statement of User Needs** – "To provide sufficient general purpose electrical power at the point of use in the Land Environment in order to support expeditionary forces at readiness"

ILS Strategy

7. Defence Standard (Def Stan) 00-600 identifies the MOD requirements for the application of ILS to the procurement of products. All ILS activities undertaken as part of this procurement process must meet the tailored requirements of Def Stan 00-600 as laid out in the Contract.
8. The ILS Element Plans must be co-ordinated across the breadth of the project to prevent duplication and ensure the optimum support arrangements are identified.
9. The Contractor shall employ ILS techniques that are compliant with Def Stan 00-600 and the FEPS-S Service Statement of Work (SoW).
10. In response to this Integrated Logistic Support Plan (ILSP), the Contractor shall provide an Integrated Support Plan (ISP) in accordance with (IAW) the FEPS-S Service SoW, the Contract Data Requirements List (CDRL) and the Product Descriptions (PDs). The ISP shall describe the Contractor's approach to ILS activities and their proposals for the FEPS-S equipment to be supported under the Contract. The ISP and incorporated element plans shall explain the Contractor's understanding of ILS/SA and its integration into the overall programme.

Background

11. There is an on-going requirement with all new projects to fit in, as far as reasonably practicable, with current support methodologies by using MOD Doctrine and Policy within the support Contract for the delivery of support elements. The integration of FEPS-S with existing support strategies will be dependent on the Contract awarded.
12. The adoption of an ILS methodology within the MOD is an extension of the existing upkeep and support policies as defined in the current MOD standards (Joint Service Publications; JSPs). The DE&S Through Life Support Manager (DE&S TLSM) is responsible for meeting the Capability, ensuring that FEPS-S Equipment is properly supported and offers Value for Money (VfM) throughout its life cycle.
13. ILS is a key component of the FEPS-S Service and has an influence on decision making at all levels within the project. The TLSM will contribute to the development of the ILS/Supportability elements of the project.

ILS Assurance

14. **Support Solution Development Tool:** The Support Solution Development Tool (SSDT2) will be used as part of Support Solution Envelope 21 (SSE21) assurance to ensure that all the required supportability elements have been considered and will provide the Project Team with an assessment of the Supportability of the project at key decision milestones.
15. **Supportability Case:** The Supportability Case provides an auditable trail of the logistic engineering considerations from support requirements through to evidence of compliance. It provides the traceability of why certain activities have been undertaken and how they can be judged as successful. The requirements to support the project will typically be summarised in Supportability Case Reports at predefined milestones. The Supportability Case, which the Authority shall generate and manage, shall provide evidence the FEPS-S equipment can be supported through life.
16. The Authority and Contractor shall develop the Supportability Case throughout the Contract review meetings and Contractor generated Supportability Case Reports, provided at agreed intervals.

ILS Documentation

17. The following documents can be used in the management of ILS for this project. Documents may be Contractual or for information purposes only. Unless clearly indicated as Contractual, nothing within these documents should be interpreted as a change to the Contractual requirements.
    a. **ILS Support Strategy:** The FEPS capability has been in service for over [INFORMATION REDACTED], therefore the ILS strategy focuses on contract renewal for the FEPS support solution, on providing the end user with a seamless transition and service equal to or greater than, the current support solution.

b. **Supportability Analysis Strategy (SAS):** Although not developed as a standalone document, the SAS was developed through discussion with Stakeholders using the DE&S Support Option Matrix as a handrail. The outcome has been used to develop the ILS requirements in the FEPS-S Service SoW document.

c. **Use Study:** A Use study for FEPS-S was NOT completed. The ILS requirements documented in the ILS Plan and FEPS-S SoW have been developed using an original CONUSE document in addition to stakeholder discussions.

d. **ILS Work Breakdown Structure (ILS WBS):** This assists ILS Managers in planning ILS programmes and provides the mechanism for controlling both the MOD and Contractor elements of the ILS programme.

e. **FEPS-S Service Statement of Work (SoW):** The FEPS-S Service SoW is a Contractual document which describes the activities a Contractor is required to complete. It includes the tasks to be undertaken, reporting requirements and the requirement for and timing of reviews. The FEPS-S Service SoW is supplemented where required by the CDRL and ILS PDs. The FEPS-S Service SoW will be reviewed and provided to the successful Contractor post Contract Award upon the conclusion of any negotiations.

f. **Contract Data Requirements List (CDRL):** The CDRL is an amalgamation list that references out to the Contract Data Requirements (CDRs) where more information to be delivered under the terms of the Contract are detailed. The CDRL summarises the delivery requirements (including timings) and configuration control for each deliverable. The CDRL can be found at Annex D to the Contract.

g. **ILS Element Plans:** These are integral to the ILS Plan. They specify how the elements of the support system are to be designed, validated, implemented, and operated. The Element Plans required for FEPS-S have been tailored accordingly, due to the Contractor Logistic Support (CLS) mechanisms of the FEPS-S Service.

h. **Integrated Support Plan (ISP):** The ISP is a contractual document. It shall be prepared by the Contractor and describe in detail the Contractor's ILS organisation and the activities planned to provide the Contractual deliverables. The ISP normally closely mirrors the project ILSP.

Integrated Logistic Support Plan (ILSP)

18. The MOD Logistic Support strategy focuses on the supportability of the product/system and its integrated equipment and services, particularly those which are mission essential. The ILSP is based on the ILS Strategies.

19. **Aim:** The aim of the FEPS-S ILSP is to design an effective, cost-efficient support solution that is coherent with the Joint Support Chain (JSC) and the support solution must be consistent with the overall FEPS-S Project Strategy. The ILSP will also expand the support strategy into a fully defined support solution which defines the responsibilities of the Contractor for each of the support/performance drivers and the way in which that support is to be delivered, with particular attention given to the following:

    a. Identify and document the logistic requirements and constraints.

    b. Describe the required logistic actions, tasks and milestones.

    c. Ensure that all relevant ILS elements and tasks are considered.

    d. Establish responsibilities for ILS programme participants.

20. **ILS Objectives:** Are to:

    a. Ensure the programme plans are in place to achieve optimum logistic support for the product/system at optimum Whole Life Cost (WLC).

    b. To identify and integrate the various support element plans that provide a co-ordinated approach which integrates with the existing MOD procedures.

Scope

21. This ILSP (this document) applies to FEPS-S project and is intended to demonstrate that adequate provision has been made for ILS. This includes plans and structures for the ILS team and the customising of the ILS functions for the product/system. The plan ultimately demonstrates the Logistic Support content of this phase of the Contract.

22. The scope of this ILSP applies to support for all mission essential products, systems/sub systems, associated peripherals, software, support and test equipment, training, documentation, handbooks, manuals and Government Furnished Assets (GFA) as defined in DLF and Def Stan 00-600

Content

23. The TLSM is responsible for configuration management of this document and will update it as required throughout the Contract.

ILS Requirements

24. The ILS Requirements of FEPS-S are designed to deliver support across capabilities with commonality and efficiencies. The FEPS-S Service SoW at Annex A to the Contract provides the support requirement and a bounded ‘call off’ cost option for various elements.

External Stakeholders

25. The Sponsor and User community are:
    a. Senior Responsible Owner (SRO): [INFORMATION REDACTED].
    b. Army Point of Contact (POC): [INFORMATION REDACTED].
    c. Sponsor: [INFORMATION REDACTED].
    d. Lead User: [INFORMATION REDACTED].
26. The ILS Team for FEPS-S currently sits within the Operational Infrastructure (OI) Team. The current structure and incumbents are detailed below:
    a. TLSM - WO1 [INFORMATION REDACTED]
    b. [INFORMATION REDACTED]
27. The TLSM is responsible to the Project Manager for the overall planning and execution of all ILS actions related to FEPS-S equipment. The TLSM will ensure planning and action in a co-ordinated and economic manner. The TLSM will define the actions and activities required to produce a tailored ILS programme composed of the basic elements of ILS. The TLSM provides a focal point for the ILS programme elements, for the Contractor Service Manager and the potential third party support. The TLSM will also:
    a. Engage with the FEPS-S project team in the maturing of the WLC Model.
    b. Participate in project risk reviews.
    c. Provide input to project Business Case.
    d. Although the TLSM is not the owner of any of the above documents, they will hold responsibility for providing advice and guidance regarding the support solution that may be included within.
    e. ILS task responsibilities are to be identified in the ITT response.

ILS Programme

28. **Programme Outline:** This document details the ILS programme for the FEPS-S project. Throughout the subsequent phases the appropriate level of involvement from project stakeholders shall be assured through representation at FEPS-S meetings. All relevant stakeholders will agree the project organisation and representatives shall be identified for each of the project areas contained within it.

29. **Monitor and Review Progress:** Progress of ILS activities will be monitored at the FEPS-S Quarterly Meetings and any subsidiary joint working groups for individual ILS elements (if required).

30. **ILS Organisation and Interfaces:** Support will be given to the FEPS-S ILS team by various DE&S interfaces such as, but not limited to; Commercial, Finance, Project Management and Engineering. The Engineering team will be instrumental by offering Subject Matter Expert (SME) advice and guidance for the safety and quality aspects of the project.

31. **Task Responsibilities:** They are listed under three categories:

    a. MOD Tasks: ongoing activities which are the responsibility of the TLSM.

    b. FEPS-S Service SoW (Tenderer): tasks which tenderers are expected to carry out as part of the ITN response.

    c. FEPS-S Service SoW (Contractor): tasks which the Contractor is required to carry out after Contract Award.

32. **Configuration Management (CM):** This is an activity that supports the documented build status of the system and supporting documentation at any time. For FEPS-S, the Engineering Function will take the lead on CM, however, logistic activities will be integrated with those of CM. ILS staff will support this activity by participating in configuration audits and reviews in Logistic Support or Configuration and Change Management Committee activities, and in any Contractor configuration management activities.

33. **Risk:** The Contractor and Authority will be required to regularly conduct risk assessments on the ILS tasks. The responsibility and procedures for identifying risks and their risk reduction measures shall be identified. The project team will maintain central risk registers controlled by the Project Risk Manager through the software application ARM (Active Risk Manager).

34. **Safety:** As the new support capability begins, the Contractor shall ensure the integrity and reliability of the FEPS-S equipment is not compromised or degraded in anyway. In addition, the Contractor shall consider the Safety Case issues IAW Annex F of the Contract.

35. **Post Design Services (PDS):** This process describes the tasks required to be undertaken as part of post Contract Award activities, to ensure that the principles identified in Def Stan 00-600 are used during the development of any modifications or upgrades to the equipment. It includes:

    a. On-going PDS functions;

    b. Application of Strategies to modifications;

    c. Impact of PDS actions on ILS Elements.

ILS Review Meetings

36. **Meetings and Reviews:** The main forum for the co-ordination of ILS activities will form part of the FEPS-S Quarterly Meetings, jointly chaired by the Contractor and Authority. The ILS elements will be agenda items within the Meetings, where representatives from each area of the support community shall provide expert advice and guidance from within their area of responsibility of the Authority's requirement for logistic support of the project.

37. The meetings will be scheduled at dates and times agreed between MOD and the Contractor. They may also be carried out in conjunction with the Project Review Meetings to encourage an efficient time saving.

Contractor Response to the ILSP

Integrated Support Plant (ISP)

38. IAW Def Stan 05-057 the Contractor shall prepare an ISP in response to this ILSP, describing in detail the Contractor's ILS organisation and the activities planned to provide the Contractual deliverables. The ISP is the principal document by which the ILS content of a tender bid will be assessed, as such the inclusion of a comprehensive draft with the tender response is mandatory.
39. The ISP would typically closely mirror this project ILSP, with a layout containing the main sections, with the addition of several appendices for the expansion of each Element Plan.
40. **ILS Element Plans:** The required Element Plans have been tailored to suit this project and consist of the following:
    a. Technical Documentation Management Plan
    b. Packaging, Handling, Storage and Transportation Plan
    c. Repair & Maintenance Plan
    d. Supply Support Plan
    e. Support & Test Equipment Plan
    f. Disposal Management Plan
    g. Logistics Demonstration Plan
    h. Obsolescence Management Plan
    i. Government Furnished Assets Management Plan
    j. Facilities Plan

Technical Documentation Management Plan (TDMP)

41. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how Technical Documentation (TD) will be managed throughout the duration of the FEPS-S Service contract
42. **Background:** TD includes any written material that contains information necessary to operate, maintain, repair, support, and disposal for the equipment throughout its life. The consequence of not keeping TD up to date through regular reviews is the increased risk of unsafe and ineffective use and maintenance of the equipment.
43. **Requirements:** The Contractor shall develop and deliver a TDMP as part of the ISP IAW the CDRL (Annex D to the Contract). The TDMP shall include, but not limited to the following:
    a. Details of how the Contractor shall be the custodians to all FEPS-S documentation including the Army Equipment Support Publications (AESPs).
    b. Details of the Contractor's Security and Quality regime and the standards to which the management of TD shall comply.
    c. How TD for the equipment shall meet safety certificate requirements.
    d. Method of handling routine and priority changes and documentation status reporting.
    e. AESP upkeep and configuration.
44. **AESPs:** The following AESP Octad is currently hosted on Technical Documents On-Line (TDOL) for FEPS:
    a. 6115-L-100
45. Within the above AESP Octads, there are numerous AESP Categories that the Contractor would be required to manage, amend, and upload onto TDOL, IAW Def Stan 00-601 Pt 4. They are as follows:
    a. Cat 101 – Purpose and Planning Information.
    b. Cat 111 – Equipment Support Policy Directive

c. Cat 201 – Operating Information

d. Cat 211 – Aide-Memoires

e. Cat 302 – Tech Description

f. Cat 411 – Installation Instructions

g. Cat 421 – Preparation for Special Environments

h. Cat 512 – Failure Diagnosis

i. Cat 522 – Maintenance Instructions

j. Cat 523 – Maintenance Instructions

k. Cat 532 – Inspection Standards

l. Cat 601 – Maintenance Schedule

m. Cat 711 – Illustrated Parts Catalogue

n. Cat 741 – Complete Equipment Schedule

46. The Authority will remain as the owner of the AESP master suite; however, the Contractor will be the custodian for the duration of the Contract and be responsible for maintaining them using configuration control methodology.

47. Any change to the AESPs shall only be accepted as a result of the originator following the official Form 10 Process and those changes have been endorsed by the project team at one of the scheduled FEPS-S Quarterly Meetings. The Contractor shall investigate all endorsed Form 10s raised against the FEPS-S AESP suite over an agreed period and shall present the outcomes to the Authority for acceptance.

48. The agreement to accept or reject the changes will be recorded in the meeting action log. The Contractor will update the AESPs and incorporate the accepted changes. Drafts of the revised documents will be provided for comment/acceptance by the Authority before final copies can be uploaded onto TDOL.

Packaging, Handling, Storage and Transportation (PHS&T) Plan

49. **Aim**: To provide the Authority as an accompaniment to the ISP, a plan detailing how PHS&T will conform with all associated conditions, standards and legislation throughout the duration of the FEPS-S Service contract.

50. **Background:** PHS&T is defined as the resources, procedures, design considerations and methods necessary to ensure that all product and support items are packaged, handled, stored and transported in conformance with appropriate legislation, including Health and Safety and particularly for hazardous materials. This includes environmental limitations, product preservation requirements for short and long-term storage, the handling of items during repair tasks and transport requirements.

51. The Authority is primarily concerned with requirements relating to items that will enter the JSC. Details of the item type, weight, volume, dimensions, required handling equipment, hazards, safety precautions and barcode markings are required from Industry to ensure satisfactory handling when in the JSC.

52. Correctly identified and labelled packaging will ensure that all items entering the JSC are packaged and labelled to a consistent standard so that they arrive at the right place, at the right time, in the right condition with due regard to economy and can be accurately recorded on MOD Consignment Tracking Systems.

53. The PHS&T plan will ensure the effective packaging, handling, storage and transportation of all system equipment, Support and Test Equipment (S&TE) and spares.

54. **Requirements:** The Contractor shall develop a PHS&T Plan IAW Def Stan 00-600, Def Stan 81-041, using the DLF as guidance. It shall be delivered as detailed in the CDRL (Annex D to the Contract). The plan shall detail how the Contractor shall manage the PHS&T requirements for FEPS-

S equipment, spares items and S&TE. The plan shall identify applicable regulations, specifications and related documents that describe and define the packaging, handling and storage requirements. It shall provide identification and procedures for accomplishing transportation and handling in support of transition and operation throughout the system and for the support during the Contract. The reverse supply chain needs to be considered by the Contractor when formulating the PHS&T Plan.

55. An item of supply should be able to pass through the Authority's supply chain without defect or damage. Therefore, all items to be packed to withstand drop, topple test, vibration and environmental tests for pressure, immersion, rain, dust, sand and wind as specified in Def Stan 00-035.

56. Factors which form specific requirements include:

    a. JSP 800: Defence Movement and Transport Regulations

    b. Physical characteristics of the item.

    c. Specific asset management requirements – UID tracking, repair loop.

57. Military packaging for spare parts used In Service support and repair agencies shall be utilised unless commercial packaging is more appropriate. Military levels of packaging are defined in DEFCON 129.

58. Should any FEPS-S equipment or spares contain electronic components, they should be treated as Electrostatic Discharge Sensitive Devices (EDSD) IAW BS EN 61340-5-1 (Protection of Electronic Devices from Electrostatic Phenomena). This also includes mechanical items containing electronic components.

59. The PHS&T plan shall include, but not be limited to, the following:

    a. Packaging Standards.

    b. Handling of Equipment.

    c. Storage (short and long terms in various environments).

    d. Transportation.

    e. Marking of parts and NATO Codification.

60. The Contractor shall specify the shelf life of all spares, where applicable, and recommend how they should be maintained through the service life.

61. The Contractor shall identify all hazardous items in the FEPS-S systems, support equipment and spares or their relevant packaging and labelling.

62. The Contractor shall mark all packaging (commercial and military) tailored to the requirements of the programme and the FEPS-S Service SoW.

63. The Contractor shall seek to minimise the requirements for special packaging.

64. The Contractor shall detail proposed return routines and turn around timescales for identified repairable items.

65. Packaging solutions for system spares should be capable of storage for periods equal to or in excess of the life of the spares and shall be capable of storage outside within identified climatic conditions as defined in Def Stan 00-035 Pt 4.

66. The Contractor shall label items appropriately, where manual handling needs to be considered.

Maintenance Plan

67. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how preventative and reactive maintenance will be delivered in accordance with the Authorities Engineering Standards and associated Equipment Support Publications, throughout the duration of the FEPS-S Service contract.

68. **Background:** Maintenance includes all actions taken to retain equipment at, or to restore it to the specified serviceable conditions in accordance with the respective AESP. It may include inspection,

testing, calibration, servicing, serviceability classification, repair, rebuilding, reclamation, salvage, and cannibalisation.

69. **Requirements:** The Contractor shall develop and deliver a Maintenance Plan IAW the CDRL (Annex D to the Contract).

70. The full breakdown of how the maintenance has been conducted to under a previous support Contract can be found at Annex E to the Contract (FEPS-S Service ToRs).

71. The Maintenance Plan should include but not limited to the following:

    a. Maintenance both corrective and preventative, will be carried out IAW the respective AESP instruction.

    b. The Contractor's process for the management and coordination of SPTC exclusivity work including MEI.

    c. The Contractors Level 4 repair process for all FEPS variants, IAW SoW serial 037.

    d. The Contractor's Level 2 & 3 repair process inclusive of MEI for FEPS wading variants.

    e. Process for ensuring all FEPS-S equipment at time of issue to the Authority is correctly maintained and JAMES Fully Fit.

    f. Confirmation that all repair and maintenance activities carried out by the Contractor will be correctly and swiftly recorded on JAMES.

    g. The receipt visual inspection process for when equipment returns to the Contractor confirming condition of equipment. Any equipment found to have defects which could be due to misuse, the Authority is to be informed regarding remedy action required to rectify.

Supply Support Plan (SSP)

72. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing Supply Support will be delivered throughout the duration of the FEPS-S Service contract.

73. **Background:** Requirement to have spares available when and where they are needed to meet the level of availability required by the User is key to an efficient support solution. The FEPS-S spares are to be owned and held at the Contractor's facility and shall be delivered into the Military Supply Chain upon demand. Spares issued from the Contractor's depot to the Military Supply Chain generates payment to the Support Contractor.

74. Supply Support procedures are an ILS function used to develop key project outcomes:

    a. Illustrated Parts Catalogue (IPC). The IPC forms part of the overarching AESP for each equipment type. The IPC contains all sparable items for maintenance and repair activities, and additionally items of ST&E. All items that appear in the IPC including any new items shall be codified.

    b. NATO Codification. Identification of sparable items that are likely to enter the JSC. Codify those items which are not already codified and add UK interest to foreign items not on the Codification Support Information System (CSIS). Policy detailed in the DLF

75. **Requirements:** The Contractor shall develop and deliver a SSP IAW the CDRL (Annex D to the Contract). The SSP shall be compliant with the DLF and Def Stan 00-600 and shall detail the Contractor's approach to Supply Support.

76. The Contractor shall make spares available for FEPS-S equipment throughout the duration of the Contract to meet all agreed depths of repair, whether undertaken by military or at an industry facility.

77. It is expected that the SSP shall address, but not be limited to, the following supply support areas:

    a. Cost effective sparable items provisioning and stockholding policy, to meet User demands with minimal delays.

    b. Supply Chains seamlessly interface/integrate with the JSC to Purple Gate (Logistic Delivery Operating Centre (LDOC)).

    c. Re-provisioning of sparable items process to include any Contractor manufactured and supplier sourced spares.

d. Codification, NATO Stock Number (NSN), Unique Item Identifier (UII), European Article Numbering, Application Identifier (EAN AI 8004) in line with single item ownership policy detailed in DLF.

e. Labelling and Packaging IAW relevant standards.

f. 2D (QR) Barcoding.

g. Identification of Lifed items identified through obsolescence checks.

h. Hazardous items which must have the relevant Control of Substances Hazardous to Health (COSHH) certificates provided.

78. All MOD assets shall be identified with a Unique Item Identifier (UII) IAW Def Stan 05-132 and European Article Numbering, Application Identifier (EAN AI 8004). It is intended that the Contractor will use the MOD supply chain for UK Unit and overseas-deployed systems, all spares and consumables that are to use the MOD supply chain shall be NATO codified. This will be achieved IAW Def Stan 00-600, STANAGs 3150 (Ed 8) and 3151 (Ed 10), DEFCON 117 and further guidance and assistance as necessary from the UK National Codification Bureau (UK NCB).

Support and Test Equipment Plan (S&TE)

79. **Aim**: To provide the Authority as an accompaniment to the ISP, a plan detailing how ST&E will be accounted for and demands satisfied both as an accompaniment to FEPS systems to the Authority or to replace deficiencies

80. **Background:** S&TE is the overarching title that covers CES and Special to Type Test Equipment (STTE). FEPS-S equipment is supported by its associate S&TE as detailed in their respective AESP. Units demanding a FEPS-S capability or an upscaling to their scaled FEPS-S capability will require appropriate S&TE in order to operate, maintain and repair the equipment

81. **Requirement:** The Contractor shall provide a Support & Test Equipment (S&TE) Plan as detailed in the SOW, CDRLs, in accordance with Def Stan 00-600. The plan shall include but not limited to the following:

a. Detail how the Contractor will manage S&TE equipment (Both CES & STTE) to ensure units equipment demands, are satisfied with appropriate accompanying levels of S&TE.

b. Detail how the Contractor will manage STTE provision as an accompaniment to L3 spares demand when appropriate.

b. Detail the process for issuing and receipting S&TE Items and how it will manage the inventory so all S&TE items are always accountable.

c. Detail how Contractor will satisfy demands received from field forces units for replacements due to deficiencies or damages. The plan will further detail how these demands will be satisfied within the time constraints of the Supply Priority Codes.

d. Details how sufficient quantities of S&TE will be retained at all times, in order to issue with the equipment annotated as “High Readiness” upon instruction from the Authority.

Disposal Management Plan (DMP)

82. **Aim**: To provide the Authority as an accompaniment to the ISP, a plan detailing how disposal of equipment will be in the best interest of the crown, adhering to all standards, conditions and legislation minimising detrimental environmental impacts.

83. **Background:** Disposal is the ultimate transfer of ownership of material/equipment to another owner or receiving agent, due to it no longer being suitable under the intent of its original purchase. Items of materiel/equipment earmarked for disposal may fall into one of, but not limited to the following categories:

a. Damaged beyond economical repair.

b. Item/equipment becoming obsolete.

c. Final disposal due to item/equipment reaching its Out of Service Date (OSD).

84. Disposal considers the efficient, effective and safe disposal of products, spares and consumables, throughout the product life. Disposal needs to consider the possibilities of re-deployment, sale, waste disposal, environmental impacts and the possible disposal of recovered material by sale.

85. The Authority will be responsible for disposal of all FEPS-S materiel, equipment or the whole capability at the end of their life, using the information in the DMP as guidance.

86. When FEPS-S materiel/equipment requires disposal action, the Authority will engage with the Defence Equipment Sales Agency (DESA)[1]. DESA will also use the information in the DMP to assist them with their considerations for any chosen disposal method[2].

87. **Requirement:** The Contractor shall deliver a DMP IAW the CDRL. The DMP shall address the requirements to ensure that all component parts up to and including full FEPS-S systems, shall be economically and ethically disposed of.

88. The DMP shall include, but not be limited to:

    a. Identification of all items requiring special disposal (i.e., Control of Substances Hazardous to Health (COSHH).

    b. Current international legislation applicability.

    c. Disposal of batteries and other Waste Electrical & Electronic Equipment (WEEE) type of components.

    d. Safety aspects regarding disposal.

    e. All FEPS-S items identified above general waste which require special disposal instructions are to have the details included in the FEPS-S AESPs.

Logistics Demonstration Plan (LDP)

89. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how the Logistic Support considerations will be demonstrated to prove the FEPS-S Service is ready and able to sustain the FEPS-Service fleet in all associated respects.

90. **Background:** A Logistic Demonstration serves to demonstrate to the TLSM on behalf of the Authority that the Contractor has the logistic support structure in place to sustain the equipment. This may be delivered as a practical demonstration, a desk top exercise or a combination of the two following agreement with the Authority.

91. **Requirements:** The Contractor shall develop and deliver a structured LDP IAW the CDRL, covering all ILS deliverables in the FEPS-S Service SoW. The LDP shall include, but not be limited to:

    a. Identification of the Logistic Demonstration Activities.

    b. Explanation of how maintenance, repair and inspection will be managed and conducted for FEPS-S equipment.

    c. Explanation of how items of supply support of Demandable Items (Spares and CES) not held by the Authority will be sourced within agreed delivery times.

    d. Explanation of how TD will be managed and their process to update (with Authority approval) for reasons not limited to, but including; safety, Form 10 submissions, obsolescence and configuration management.

[1] DESA are the lead for the disposal of all MoD assets.
Could consist of, but not limited to: Re-deployment within the Authority or other Government department, Sale of reclaimed materiel from Cast components or Controlled Disposal of Hazardous items.

Obsolescence Management Plan (OMP)

92. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how obsolescence will be monitored, managed and resolved, throughout the duration of the FEPS-S Service contract.
93. **Background:** Obsolescence is defined as the transition of an item from available to unavailable from the manufacture IAW the original specification. Known current FEPS-S items subject to obsolescence will be provided at ITN stage.
94. **Requirements**: The Contractor shall develop and deliver an OMP IAW the CDRL, using the DLF and BS EN 62402:2019 as advice and guidance The OMP shall provide specific detail of how the Contractor intends to address obsolescence in support of FEPS-S rather than a generic description of how obsolescence can be managed.
95. OMP shall detail how the Contractor will manage obsolescence across the full range of FEPS-S equipment, with a particular focus on suppliers and all demandable items. It shall also detail how the Contractor will identify potential obsolescence problems and address the overall impact it will have on the equipment throughout the life cycle.
96. The Contractor shall take ownership of the notification of any issues to the Authority through the life of the Contract, and upon approval by the Authority seek to sought and implement alternative solutions.

Government Furnished Assets (GFA) Plan

97. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how all the Authorities FEPS-S assets will be tracked and accounted at all times, throughout the duration of the FEPS-S Service contract.
98. **Background:** The Contractor will be responsible for and in possession of FEPS-S equipment when not required by the Authority. GFA Plan shall detail the Contractor's internal process to capture equipment tracking between them and the Authority, with complete accuracy including as the equipment transitions between both.
99. **Requirements:** The Contractor shall develop and deliver a GFA Plan IAW Def Stan 05-099, CDRL, and using the DLF as guidance.
100. **Receipts and Issues:** The Contractor shall maintain Receipt and Issues Records throughout the life of the Contract to record when any FEPS-S asset is transferred between the Authority and the Contractor. The Contractor shall follow all Receipt and Issue transactions.
101. Following any transfer of FEPS-S asset to the Contractor, the Contractor shall carry out a Receipt Inspection, to assess the condition of the equipment received. Any FEPS-S equipment found to be defective due to misuse or abuse (i.e., not Fair Wear and Tear), the Incident Sentencing process shall be initiated IAW Annex E.

Facilities Plan (FP)

102. **Aim:** To provide the Authority as an accompaniment to the ISP, a plan detailing how the Contractors facilities are appropriate to be able to accommodate and conduct all associated support activities.
103. **Background:** Facilities comprise the entire physical infrastructure required to store, maintain, repair, inspect, receipt and issue FEPS-S equipment.
104. **Requirement**: The Contractor shall produce an FP as part of their ISP in response to the Authority's ILSP, SOW and CDRL. The FP shall detail how the Contractor is able to meet the needs of the Authority, in terms of facilitating an appropriate support solution for FEPS-S equipment. It should include but be limited to:
    a. Detail how the Contractor's infrastructure is fit to accommodate FEPS-S equipment and S&TE whilst in their vicinity.
    b. Engineering Workshop environments are appropriate to carry out all aspects of repair, maintenance and inspection activities undertaken by the Contractor.

c. The capacity to receipt and issue FEPS-S equipment including how equipment sentenced as unserviceable will be quarantined, until such time it is called forward for inspection and subsequent repair activity.

d. How “High readiness” FEPS-S equipment will be segregated from the main fleet, until such time it is instructed by the Authority to issue.

e. The infrastructure can hold demandable spare items in sufficient quantities, until such time they are demanded by the Authority.

f. JAMES access is available to permit recording off all maintenance, repair and inspections activities.

Glossary of Terms and Abbreviations

Abbreviation	Definition
AESP	Army Equipment Support Publications
ARM	Active Risk Manager
CDRL	Contractual Data Requirements List
CES	Complete Equipment Schedule
CLS	Contractor Logistic Support
CM	Configuration Management
COSHH	Control of Substances Hazardous to Health
COTS	Commercial off the Shelf
CSIS	Codification Support Information System
DE&S	Defence Equipment & Support
DEFCON	Defence Condition
DE&S	Defence Equipment & Support
Def Form	Defence Form
Def Stan	Defence Standard
DESA	Defence Equipment Sales Agency
DLF	Defence Logistics Framework
DMP	Disposal Management Plan
DTSM	Defence Training Support Manuals
EDSD	Electronic Discharge Sensitive Devices
FEPS	Field Electrical Power Supplies
FEPS-S	Field Electrical Power Supplies – Support
GFA	Government Furnished Assets
GFE	Government Furnished Equipment
GPP	General Purpose Power
ILS	Integrated Logistic Support
ILSM	Integrated Logistics Support Manager
ILSP	ILS Plan
ILS PD	Integrated Logistic Support Product Description
IOC	Initial Operating Capability
IPC	Illustrated Parts Catalogue
ISP	Integrated Support Plan
ITN	Invitation To Negotiate
ITT	Invitation To Tender
JAMES	Joint Asset Management and Engineering Solution
JSC	Joint Supply Chain
JSP	Joint Service Publication
KPIs	Key Performance Indicators
LDP	Logistic Demonstration Plan
MEI	Mandatory Equipment Inspection
MOD	Ministry of Defence
MOTS	Modified off the Shelf
NSN	NATO Stock Number

OIP	Operational Infrastructure Programme
OMP	Obsolescence Management Plan
OSD	Out of Service Date
PHS&T	Packaging, Handling, Storage and Transport
PDs	Project Description
PDS	Post Design Services
PoC	Point of Contact
PT	Project Team
S&TE	Support and Test Equipment
SA	Supportability Analysis
SAS	Support Analysis Strategy
SME	Subject Matter Expert
SoW	Statement of Work
SQEP	Suitably Qualified and Experienced Persons
SSDT	Support Solutions Development Tool
SSP	Supply Support Plan
SSR	Support Solution Report
STTE	Special Tools and Test Equipment
TD	Technical Documentation
TLSM	Through Life Support Manager
TDMP	Technical Documentation Management Plan
TDoL	Technical Documents on-Line
TLF	Through Life Finance
TLM	Through Life Management
TLS	Through Life Support
UID	Unique Identifier
VfM	Value for Money
WBS	Work Breakdown Structure
WEEE	Waste Electrical & Electronic Equipment
WLC	Whole Life Cost