

INTERNET VERSION – MASTER IS ON THE DEFENCE INTRANET



MINISTRY OF DEFENCE

**JSP 886
DEFENCE LOGISTICS SUPPORT CHAIN MANUAL**

**VOLUME 2
INVENTORY MANAGEMENT**

**PART 100
ALLOWANCES AND STORES DOCUMENTATION,
INITIAL SUPPLY OF STOCK AND STOCK LEVELS**

**THE MASTER VERSION OF JSP 886 IS PUBLISHED
ON THE DEFENCE INTRANET
FOR TECHNICAL REASONS EXTERNAL LINKS ON
THIS INTERNET VERSION HAVE BEEN REMOVED**

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SECTION 0: FOREWORD

1. The contents of this document are being absorbed into the main JSP 886: Defence Logistic Support Chain Manual or replaced by other MOD documents as part of a rolling programme. The current status of this document and a guide to where content has been moved to is at Table 1.

Figure 1: Status of Sections

Original Element	Action
Section 1: General	
0501 Types of Support and Applicability	
0502 Allowances - NATO Codified Spares	
0503 Non Codified Spares	
0504 Allowances & Documentation	
0505 Dynamic CAL	
0506 Maintenance of OBD	
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Section 3: Weapon Engineering Stores	
0515 Weapon Engineering Stores - Initial Supply	
0516 Prototype New Equipments - Spares Support	
0517 Built-In Spares	
0518 GPTME, Jigs, Tools and Test Equipment	
Section 4: Air Stores	Absorbed by JSP 886 Volume 3 Part 15: Supply Chain Transactions and JSP886 Volume 3 Part 12: Deployable Stocks
Section 5: Marine Engineering Stores	
0521 Allowances	
0522 Ancillary Support Equipment (ASE) - Initial Supply	
Sections 6 & 7 Not Required	Deleted
Section 8: Accommodation Stores	Reference put in JSP 886 Volume 3 Part 15: Supply Chain Transactions
Section 9: Motor Transport Stores	Absorbed by JSP 886 Volume 3 Part 15: Supply Chain Transactions
Section 10: Books and Publications	Reference put in JSP 886 Volume 3 Part 15: Supply Chain Transaction
Section 11: Office Machinery, Stationery and office Requisites	
Section 12: Printed Forms	

OWNERSHIP AND POINTS OF CONTACT

2. The policy, processes and procedures described in the Defence Logistics Support Chain Manual (JSP 886) is owned by Director Joint Support Chain (D-JSC). Head Supply Chain Management (SCM-Hd) is responsible for the management of JSC policy on behalf of D JSC.

3. This instruction is sponsored by DES JSC SCM (Pol Dev) who should be approached in case of technical enquiries about the content:

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SECTION 1: GENERAL

0501 TYPES OF SUPPORT AND APPLICABILITY

1. The management of initial provisioning for a Ship is dependent on the contractual arrangements that have been adopted for the vessel at build. A number of novel arrangements are being investigated with Support Contractors as part of the SMART Procurement Initiative. Once a particular support arrangement has been adopted for a New Build Ship this arrangement normally remains with the Ship for the rest of its service. Ships Supply Staff should ascertain as soon as possible after joining their Unit as to what arrangements are in place for their vessel.
2. There are two types of support systems:
 - a. **NATO Codified Spares.** This system is the most common method used in the Royal Navy. Spares are issued with a unique stock number on introduction, and the item is managed by a DE&S Stock Owner throughout the time it is in service. These stores can be demanded from a DE&S Stock Holder e.g. NBC Portsmouth.
 - b. **Non Codified Contractor Support.** For some smaller vessels and RFA's the Integrated Project Team has contracted a commercial agent to support the Ship with a particular range of stores, normally Marine Engineering Stores (MES). The arrangements for demanding and delivery of the spares will vary from ship to ship.
3. **Maritime Platform Support (MPS) Service.** Currently sits as part of CoM Fleet Maritime Supply Integration (MSI) Organisation, provides direct support to New Build Projects and FLEET Units in the implementation of Onboard Documentation (OBD) products for First Outfit Storings and Operational Support Update (OSU) activity.
4. During the implementation of OBD, Senior Inspecting Officers and Inspecting Officers ((S)IO)s employed by the MPS are required to address and resolve support anomalies arising from the OBD content. Anomalies can arise when (S)IOs and RN/RFA Logistic and Technical staffs believe that the allowances contained in the OBD are inadequate or excessive, either in terms of the quantity or the nature of the items being advocated. Unless such anomalies are addressed, operational support for Platforms could be impaired or considerable additional support costs incurred in supply, transportation, handling and return of unnecessary items.
5. For these purposes, the MPS will use Form S130 to advise a Project Team (PT) of such anomalies. However, because of the unique role that the MPS undertakes in managing OBD implementation, separate procedures apply for the submission of the S130s originated by MPS Officers during First Outfit Storing and OSU. The procedures are as follows:
 - a. MPS Form S130s will be numbered in a unique MPS series for each vessel. They are not to be registered in the OASIS VRS. The S130 number will be prefixed MPS and commence at 001 for each task. The registered number will also include the subsequent year. Therefore, the registered number will appear on the Form S130 in the following format: MPS 001/02.
 - b. (S)IOs will provide as much detail on the form as possible, particularly, where applicable, E List/PS details at Part B, the value of the individual item at Part C and a full justification for the proposed change at Part D.

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6. When an MPS Form S130 is raised for a proposed increase in an allowance, an Application for Over Allowance (APOVAL) indicator will be set on OASIS and the MPS registered S130 number entered in the remarks field of the relevant stock record header as the proposed change reference. However, no changes will be made to the OASIS Allowance figure until the approving authority has notified formal agreement to the change. Once the approval has been received, the APOVAL indicator and S130 can be removed.
7. When an MPS Form S130 is raised for a proposed reduction in an allowance, the OASIS Allowance figure will be reduced as appropriate to avoid the item falling into the OASIS Replenishment system and being re-demanded. Although not strictly applicable, an APOVAL indicator will be set, as a management aid, with the MPS registered S130 number being entered in the remarks field of the relevant stock record header as the proposed change reference. Once confirmation for change has been received, the APOVAL indicator and S130 remarks can be removed.
8. Wherever possible, MPS Forms S130 will be completed electronically and E-Mailed by the (S)IO to an 'MPS S130 Change Desk'. This desk will look to identify, investigate and resolve common issues raised by MPS Officers before submitting the forms to the approving authority. This may involve some direct dialogue with PTs and Scaling authorities. For the MPS, the approving authorities will be:
 - a. DSCOps for General Stores, Weapon and Engineering scaled items.
 - b. ES (Air) for Air Stores scaled items.
 - c. DCPT for Clothing items.
9. Responses from approving authorities will be returned to the MPS S130 Change Desk before being forwarded on to the sponsoring (S)IO. This will enable the Change Desk to maintain a 'datum pack' of MPS related S130s which will be provided as part of First Outfit Storing/Operational Support Update documentation package. (S)IOs will then be able to check whether previously approved changes have been effected in the OBD.
10. It should be noted that because of the unique OBD management arrangements for TSSBNs, which SIO VANGUARD CLASS, based at Devonport, will deal directly with DSCOps on changes affecting allowances in the refitting vessels.

0502 ALLOWANCES - NATO CODIFIED SPARES

11. The seven inventory ranges of codified spares are:
 - a. **General Stores (GS).** Allowances for Damage Control, Fire Fighting, Navigation, on board Defence Accommodation and other non-equipment related functions are formulated by the PT (SIO) and thereafter scaled by SCO Sea1 OBD Manager. Information for the scales are drawn from appropriate BR's, JSP's, Ships Drawings etc. Naval Stores are the responsibility of the Director Support Chain (DSC) within the WSA.
 - b. **Marine Engineering Equipment (MEE)/Marine Engineering Stores (MES).** These allowances provide on board support for Mechanical, Hull and Electrical Engineering systems. At time of build two alternative systems may be used to produce the First Outfit of MEE/MES Spares, and termed Type A and Type B Support. Once in service, Ships will see little difference between each system as

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both systems are issued with standard Maritime On Board Spares Documentation (OBD) and replenishment demands are supplied in the same way. The differences occur in the source documents. Type A spares are listed in Provisioning Schedules, which are linked to the Illustrated Parts Catalogue. Type B spares are listed on Form SSCF 110a.

- c. **Marine Engineering Stores (MES).** are the responsibility of the Director Operations Equipment's [D Ops E within the Maritime PT.
- d. **Weapon Engineering Stores (WES).** Allowances for weapon equipment's are listed in Establishment Lists (E Lists). Section B of the E list contains maintenance spares, which form the on board, store room stock holdings. Section F2 and G2 are Jigs, Tools and Test Equipment (JTTE), which are issued on Permanent Loan Record to the equipment maintainer. Weapon Engineering Spares are the responsibility of D Ops E within the WSA.
- e. **Clothing.** Allowances of clothing and textiles are provided by DCIPT.
- f. **Air Stores.** Scales are maintained by MPS.
- g. **Accommodation Stores (Establishments).** The Director Accommodation Stores (RAF), provides furniture and husbandry material to Shore Establishments. Allowances are listed in JSP 308.
- h. **Army Stores.** Certain ranges of MT and ground warfare equipment are supplied from Army sources. This is applicable especially to equipment's used by the Royal Marines. Allowances are listed in CES series Army Scales.

0503 NON CODIFIED SPARES

12. Various systems and forms of commercial non-codified support have been introduced for certain vessels. The arrangements and the administration of these systems is the responsibility of each ships Integrated Project Team. Care should be taken not to use MOD approved Log IS and materiels if the contractor has all ready been paid to provide these services.

0504 ALLOWANCES & DOCUMENTATION

13. Assistant Director Support Chain/Supply Chain Operations Sea1 OBD Manager within the WSA/HOS is responsible for providing On Board Spares Documentation (OBD) to the Fleet in accordance with the operational requirement. The OBD brings together the three inventory areas of WES and MES equipment allowances and NS function allowances to form the Consolidated Allowance List (CAL). The CAL is the basis of the On Board Allowance. The Onboard Spares Documentation (OBD) for both Air Stores and Clothing are managed and maintained separately by ES[Air] Embarked (Aviation). and DCPT.

14. OBD is issued in three volumes:

- a. **Volume 1: Equipment, System and Function List.** A list of the Equipment's/Functions applicable to the Unit with associated Scale Record number.

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b. **Volume 2: Scale Records.** Individual allowances for each equipment or function.

c. **Volume 3: Consolidated Allowance List (CAL).** Combined and rationalised Scale Records.

15. **Allowances.** Re-assessments of OBD for those vessels not yet subject to DYNAMIC CAL are undertaken every two to three years and are updated to reflect changes in on board equipment's as a result of A & A's etc. Ships and Submarines with OASIS accounting systems receive the CAL in disc form as well as printed copy. A list of new stores to load and redundant stores to land is provided automatically by the OASIS system.

16. **Establishments.** OBD is not generally provided for units ashore. Instead the authorised supply (for new units) or the quantities of Accountable items on charge in the Account and on Permanent Loan (for existing Services), supplemented by any additions authorised by DIN's or letter are to be regarded as the establishment allowance. OBD may however be provided for any communications or equipment fits in an establishment for operational or training purposes. Reassessments of this OBD will be run to meet the specific need of the unit. Non-accountable items are held on a basis of past expenditure with most requirements held by user departments.

17. **Royal Marine Units.** Army supply stores in RM Commando units are held on Army Scales G1098.

18. **TSSBN.** Separate arrangements apply for OBD for Trident Submarines. These arrangements are laid down in document DSWS T2639 – Logistic Support [TSSBN On Board Documentation System] details of which are held by LARO 7B2 and will be included with each new set of TSSBN OBD issued on CD ROM.

0505 DYNAMIC CAL

19. Introduced under DCI RN 138/94 Dynamic CAL methodology aims to provide Ships/Submarines with onboard spares outfits, on an annual cycle, which reflect consumption patterns of the Fleet, whilst ensuring mission essential items defined in equipment support documentation (i.e. "E" Lists for Weapons Equipment's, Provisioning Schedules (PS) for Marine Engineering Equipment's) are carried onboard.

20. CRISP Original Scales of Allowance derived from above equipment support documentation are converted to Dynamic Scales used in producing Fleet OBD. Mission Essential items (Reason for Use Code '4') are spares that have Safety and Insurance implications and must be carried on board at all times. RFU 4 items are identified by Equipment Project Managers (EPMs) in 'E' Lists/PS and included in scales along with RFU 1 Spares, which are those that can be driven by consumption data.

21. Dynamic Scales of Allowance are updated annually by the CRISP Dynamic Scale update process using consumption data extracted from the six monthly OASIS/CRISP Price File/Item Data Record (IDR) Reconciliation process. Total consumption data from the Class/Batch is derived by the number of Ships/Submarines reporting and scale allowances updated to reflect support for a 90 day mission. Class/Batch OBD maintained on Crisp is accessed during this process to identify applicable scales Equipment's under three years in service are not subject to the Dynamic CAL process, along with those permanently excluded [e.g. Breathing/Diving apparatus].

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22. DCAL methodology is applied to T22/T23/T42/CVS/MCMV/SRMH Classes as well as 'S' and 'T' class submarines; Vanguard class TSSBN is not subject to DCAL.

0506 MAINTENANCE OF OBD

23. Once the OBD has been accepted, it is the responsibility of the Commanding Officer to ensure that it is kept up to date as changes occur.

SURFACE SHIPS DEFINITION DATABASE SSDD (A6G PRINT) – SHIPS ONLY

24. The SSDD document is produced periodically every six months by WSA, MRC (Ships) PBS3, Elm 1A, #4123, DLO Abbey Wood, Bristol, BS34 8JH. Each document contains a full list of applicable documents e.g. IPC, PILs, E-Lists etc., which the ship should hold to support its current configuration.

25. On receipt, the document should be subjected to a full validation exercise under the control of the Logistic Officer. Each Technical Officer is to nominate personnel within their respective departments to complete a full validation of the document. The validation procedure is required to identify equipment and systems, which have been removed from the ship, but are still listed in the A6G document. It should also identify new equipments that have been fitted to the ship, but which are not shown in the OBD. The form at the front of the A6G document invites technical staff to advise SSDD of any anomalies within the print.

26. Where equipments and systems already fitted are found to be unsupported and where new equipments and systems are fitted between issues of OBD. The Logistic Officer is to request the relevant scale from CTS LARO SEA1 OBD Manager. On receipt of the new scales, they are to compare the support allowances against current stockholdings and take appropriate demanding action, quoting the Scale as the authority to demand. Only items designated RFU Code 4 are to be demanded. Items that are unique to equipments and systems no longer fitted are to be landed.

27. Regular validation of the A6G document will ensure that the Onboard Documentation (OBD) is maintained up to date as changes to Equipment Fit occur.

0507 REPLENISHMENT

28. Replenishment action is to be taken in accordance with the current accounting instructions (see Part 2 Article 0110 and Part 3 Chapter 1) and should ensure sufficient stock to last, at normal peacetime rates of expenditure, until the next replenishment is due and to provide the minimum stock. HM Ships deploying overseas or on detached duties to localities on the home station where normal storing facilities will not be available, should review and replenish stocks to maximum allowances prior to deployment.

0508 FIRST OUTFIT - INITIAL SUPPLY OF STORES– GENERAL

29. Arrangements for calling forward ranges of stores from appropriate supply sources are communicated to the Units' Administrative Authority and to Supply Authorities by a storing letter, except for those ranges which are not the responsibility of WSA e.g. Type 'B' documented spares.

30. The storing letter will appoint a Senior Inspecting Officer from the Naval Storekeeping Service, who will be responsible to the Commanding Officer/Senior Officer for all aspects

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of work contributing to the complete first outfit storing of the Unit. This will include the embarkation, stowage and location of the materiel and the creation of the Unit's Naval Store Account. This will be achieved by Ship's Staff under the supervision of the SIO who will keep the Logistic Officer fully informed on the progress of storing.

31. The storing letter, in addition to nominating the SIO's date of joining, will also indicate a leaving date, normally Planned Acceptance Date (PAD) plus three weeks for new construction ships, and Ready for Sea Date for ships completing refit. These dates can be subject to adjustment consequent upon other operational requirements.

32. The Senior Inspecting Officer will raise a Report of Opening Store Account during the storing period. This report is to be forwarded to DIA through WSA, PIO, NSKO on completion of the storing, and WSA will certify that the account may be accepted as opened. The date of opening the account will relate to the date of the first transactions posted, and the account will be opened in the name of the storing SIO.

33. On leaving the ship, the SIO will render a final storing report to the Commanding Officer informing him that:

- a. All available First Outfit Stores have been embarked, stowed and accounted for in accordance with the instructions contained within JSP 336 Volume 11 and relevant OASIS Management/User Guide.
- b. All Onboard Documentation held relevant to the storekeeping task has been listed and that reference has been made to the last DINI actioned.
- c. All Sea Stores supplied through Overseers/Base Officers have been received, and that corresponding disposition details and accounting vouchers have been actioned in accordance with JSP 886 Volume 2 Part 102 Article 0509.
- d. NBC Logs Portsmouth produced tabulations listing not available items of the First Outfit have been circulated to HODs and that items considered to be of a 'critical' nature are reported to the Central Storing Group and Supply Authorities for hastening.
- e. All shipbuilders' supply items (Sea Stores) have been received and accounted for in accordance with JSP886 Volume 2 Part 1 Article 0509.
- f. Allowances of Portable Radio Equipment have been received and brought to account.
- g. Boats" equipment lists have been received from PNO Base Staff and have been accounted for in accordance with JSP886 Volume 2 Part 2 Article 0151.
- h. Where applicable, the Harbour Charge List has been reduced to NIL.
- i. All stores classified as Confidential or Secret, and all Attractive and ACTO Stores have been stowed in accordance with current instructions contained in JSP440, and that corresponding Stock Record Files have been identified.
- j. OASIS indicators have been set within the appropriate stock record file.

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k. An Voucher Register file has been produced, and that all appropriate vouchers received during the stowing have been registered.

l. Account has been taken concerning the stowage and identification of all hazardous stores and identified in HSIS.

m. The 'Critical' Air Stores procedures have been undertaken and that any further action required has been identified.

n. Action has been taken (or is to be taken) concerning the disposal of Vouchers relating to the storing period.

34. Where applicable, the following Annexes to the final report will be produced:

a. ANNEX A: On Board Documentation

b. ANNEX B: Percentage availability for each commodity range.

c. ANNEX C: Non available items considered to be of Critical Importance.

d. ANNEX D: List of Unsupported Equipment's.

e. ANNEX E: List of Last Serial Numbers checked of Forms MOD 458 and D723.

f. ANNEX F: List of Outstanding MOD445 details, items and actions

g. ANNEX G: Permanent Loan Records Serial Numbers allocated and Custodians.

h. ANNEX H: Storerooms under Logistic Officer's Control and Commodities contained therein.

i. ANNEX I: Permanent Items held in excess of Allowance and recommended action.

j. ANNEX J: Agreed outstanding actions.

35. At completion of storing (or when appropriate), Logistic Charge is to be transferred from the SIO to the Logistic Officer. A Transfer of Logistic Charge certificate is to be completed in accordance with JSP886 Volume 4 Part 2.

36. On no account should demands 'to complete authorised initial outfit on revised entitlement' be authorised without reference to Central Storing Groups, particularly after the ship has been accepted into Naval Service Demands "to replace defective" should also be fully investigated and challenged if suspect.

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SECTION 2: GENERAL STORES

0509 INITIAL STORING - VESSELS UNDER CONSTRUCTION

1. Stores are supplied for Ships Building as follows:
 - a. Items for use by the shipbuilder in the construction of the Ship listed in the Equipment Delivery List.
 - b. Items of accountable equipment provided and placed on board the shipbuilder and are subsequently accounted for in departmental Lists of Portable Fittings.
 - c. Items issued to the shipbuilder for navigational and life-saving purposes during contractor's sea trials.
 - d. Items of equipment which are placed on board by the shipbuilder but will be on charge in the Main Store Account. In Ships building at commercial shipyards, these will be:
 - (1) Some items contained within the Weapons Equipment Delivery Programme (WEDP) Equipment Delivery Schedule (EDS) (Embodiment Loan Items).
 - (2) Shipbuilder's Supplied Items (SSIs) under contract.
2. Items supplied under Paragraph 1a. and 1b. are consigned to the appropriate Naval Base Officer, or to the PT in the case of Ships building in commercial shipyards. They will not be taken on charge in the Main Store Account and the Logistic Officer is not concerned with them.
3. The items referred to in paragraph 1d will be detailed in a disposition list prepared by the shipbuilder. The Senior Inspecting Officer responsible for the ships storing will arrange for Form S3165 (Shipbuilders Supply Voucher) to be raised and will arrange for the Stores to be brought on charge to support the Naval Store Account.
4. The items under paragraph 0509 1d(1) and 1d(2) will be consigned to the Logistic Officer who is responsible for checking them on receipt.
5. Supplies under paragraph 0509 1d.(1) and (2) together constitute the Ship's first outfit of stores. (Note: Care should be taken to check that portable W/T, supplied to the Overseer or Naval Base department on allocation, although not detailed on the Allowance List, are taken on charge in the Main Store Account and placed on PLR).
6. The Logistic Officer, on joining the Ship, is to obtain from departmental Officers the receipted copies of supply vouchers, eg. Forms D1200, D2919 covering the supply and deal with them in accordance with Volume 4 Part 100 only so far as checking and disposal action is required.

0510 INITIAL STORING DISPOSITION OF ACCOUNTABLE ITEMS IN THE SHIP

7. It is the responsibility of Naval Base Officers or PT Overseers to hand over to the Logistic Officer, before formal acceptance of the Ship, the supply notes - Copies 2 of Forms D1200, Copies 3 of Forms S145A etc, - for all items supplied under Article 0509

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except for those items referred to in Paragraph 1d. (0509.3 refer). The supply notes are to be accompanied by Disposition Lists showing the location of the items in the Ship. BRs 1921 and 8581(1) also refer.

8. The Logistic Officer, on joining the Ship, is to satisfy himself that the above arrangements are in hand, and when the supply notes are handed over he is to take all practicable steps to ensure that any items supplied under Article 0515.1 to the Naval Base Officers or the contractors which are still in their custody are turned over to him, as soon as he is in a position to accept responsibility for their custody.

0511 RE-STORING-SUBMARINES UNDERGOING MAJOR REFIT

9. Supply arrangements for and Submarines that are completely de-stored prior to Upkeep are similar to those for vessels under construction, an additional requirement being the maintenance of a Harbour Charge List.

0512 ALLOWANCES

10. The allowances for all NAVAL STORES are shown in stock number order in OBD Vol III (the CAL). The functional scales prefaced with the letter 'G' covers all aspects of non equipment-related General Store's usage, e.g., fire-fighting, cleaning, life saving, etc. All these scales are held on CRISP and are maintained by SCO Sea1 OBD Manager.

11. The construction of an initial outfit of the non equipment-related Naval Stores for a First of Class is the responsibility of SCO Sea1 OBD Manager. They are scaled in consultation and with the guidance of the Integrated Project Team (SIO). The allowances relate to many aspects of the Ship such as complement, compartments, fittings and length of deployments.

12. In addition to Vols I, II and III, each set of OBD will be accompanied by the following:

a. **Form D2605 – Information Scales:** These are scales of General Stores to support special activities, e.g., Guard Ship duties in the West Indies, mess gear allowances for a Flag Officer. The stores are to be demanded when the occasion arises.

b. **Information Allowances:** These cover items taken from functional scales whose carriage on board is either optional or dependent on the availability of some critical on board facility which may not be present.

0514 RATIONALISED TOOL SYSTEM (RATS)

13. Allowances for RATS are shown in documentation; produced by MED&GSPT 3B2, Spur 11. Block F, Foxhill, Bath. issued with the first outfit of RATS toolkits. Three sets of documentation are supplied, issued as follows:

a. 1 set to – Logistic Officer.

b. 1 set to – ME Department.

c. 1 set to – WE Department.

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SECTION 3: WEAPON ENGINEERING STORES

0515 WEAPON ENGINEERING STORES - INITIAL SUPPLY

1. All Weapon Engineering stores in Management Code 0600, 0800 and 0900 are controlled by WSA D Ops 'E' and are supplied from WSA stock holders. Allowances of on board maintenance spares are listed in Section 'B' of the equipment's 'E' List and form the basis of Original Scales created on CRISP over the PROFILE/CRISP interface. The majority of these Scales are later converted to Dynamic Scales used in OBD production
2. For certain pre-production radio equipment's, it may not be practicable to prepare covering 'E' Lists and obtain delivery of the approved maintenance spares in the period before the first outfits come into service. In these circumstances, outfits of spares will be supplied to cover maintenance requirements during the period prior to the receipt of the normal spares backing. The individual spares will be identified on their wrappings or packages by their handbook component references (which are to be quoted in all correspondence, demands, etc) and will normally be supplied in a special container. The spares will be issued to services as part of the testing and tuning outfit and on completion of such work, will be handed over to Ship's Weapons or Radio Engineer Officers. Should it be necessary to demand further supplies of these spares, or supplies of other items not included in the initial supply, demands quoting the appropriate handbook component references are to be prepared under the appropriate Management Code and forwarded to WSA who will, when necessary, arrange special purchase.
3. When maintenance spares allowances for outfits covered under the above arrangements are eventually promulgated in 'E' Lists, services holding spares are to:
 - a. Compare holding with recommended allowances and demand any additional items as necessary, and
 - b. Items with stock numbers into the Logistic Officer's stock and retain in the EMR any items without stock numbers for use until expended.

0516 PROTOTYPE NEW EQUIPMENTS - SPARES SUPPORT

4. Because of the need to fit weapon equipment of the latest design in HM Ships, the development phase of equipment may overlap the production stage: this may result in prototype and pre-production models remaining in a Ship as part of the operational fit. In some instances, the time interval between the completion of development trials and the need to support the equipment in the operational role is not sufficient to enable the documentation, procurement and supply of a fully ranged and codified spares outfit. When a development/prototype/reproduction model is fitted in a Ship, the Integrated Project Team will:
 - a. Advise the Commanding Officer and Weapon Engineering Officer by letter of any special conditions or limitations related to its fitting.
 - b. Advise the WEO and Logistic Officer by letter of any special arrangements, which apply in respect of logistic support.

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0517 BUILT-IN SPARES

5. Built-in spares, which will be progressively identified as such in Section A of relevant E Lists, consist of spare assemblies and sub-assemblies, which are provided as part of the design of the equipment. The term 'built-in spares' covers items held loose in dedicated stowage's within the equipment cabinet or in special cabinets adjacent to the equipment which are brought into use by physical interchange with a defective counterpart. For Submarines only: 'SWS' Built-in Spares are referred to as Ready Spares (OSI) and should be treated as Onboard Spares (SRI) and are to be accounted for on Permanent Loan Record (PLR).
6. Built-in spares are not part of the allowances shown in OBD Vol. III.
7. Wired-in and loose items are integral parts of the fitted equipment and as such are to continue to be dealt with as fittings with no separate accounting action being taken by the Logistic Officer.
8. The equipment maintainer is responsible for informing the Logistic Officer when built-in spares become defective so that replacement items may be issued from the Logistic Officer's stock or demanded from WSA Stockowners at the appropriate Standard Priority Code.

0518 GPTME, JIGS, TOOLS AND TEST EQUIPMENT

9. Allowances for GPTME derive from CAF Lists. Jigs, Tools and Test Equipment (JTTE) are listed in sections 'F2' and 'G2' of the E List and are shown as special compartment allowance WST and WJT.
 - a. **GPTME Mini-CAL.** Because of the dynamic nature of the GPTME range, Units will not be provided with an updated task when the main outfit is re-assessed. Instead, they are required to update their copy of the Mini-CAL from the GPTME Common Range Allowance Form (CAF). CAF can be obtained from the TEMO(M)1E GPTME Group, Room 710A, COB II, HMNB Portsmouth PO1 3NH.
 - b. **Jigs, Tools and Test Equipment**
 - (1) Ships fitted with OASIS will be provided with an updated copy of the Jigs, Tools and Gauges task whenever the main outfit is re-assessed.
 - (2) All other Ships requiring a re-run of the Jigs, Tools and Gauges task should apply in writing to SCO Sea1 OBD Manager.

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SECTION 5: MARINE ENGINEERING STORES

0521 ALLOWANCES

1. These allowances provide on board support for Mechanical, Hull and Electrical Engineering Systems and Equipment fitted in HM Ships and Submarines. In addition to Marine Engineering Stores, which are managed by WSA/D Ops 'E', these Systems and Equipment's are also supported by Naval Stores and Weapon Engineering Stores (Management Codes 0200 to 0999). Subject to any constraints imposed by CRISP rationalisation the above allowances will appear in stock number order in the Consolidated Allowance List (see Part I Article 0504.2).

2. In addition to the CAL, the Logistic Officer is provided with an Equipment, System and Function List (OBD Volume I) which lists those PS's taken into account to compile allowances of Marine Engineering Stores. This can be used to identify any deficiencies in support.

0522 ANCILLARY SUPPORT EQUIPMENT (ASE) - INITIAL SUPPLY

3. Until ASE items have been allocated stock numbers, Integrated Project Teams will arrange for the provision of items within this range. Items will be forwarded as arranged by the (Senior) Inspecting Officer storing the Ship and will be placed in stowage's, which will have been pre-determined by the design authority.