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AUSTRALIAN GOVERNMENT

AUSTRALIAN DEFENCE STANDARD

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## **DEF(AUST)1000C Part 14/ Issue 4**

Dated June 2009

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**Replacing/Superseding**

DEF(AUST)1000C PART 14 Erratum

Dated 01 Dec 2004

# **ADF PACKAGING; PART 14: MINIMUM PACKAGING SPECIFICATIONS OF COMMERCIAL ITEMS STANDARD**

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## **DEF(AUST) 1000C**

### **DOCUMENT MANAGEMENT INFORMATION**

Ownership and responsibility for approval and acceptance of this specification is detailed below.

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Prepared by the Defence Packaging Committee of the Defence Standardisation Coordination Group.

The following Government, and industry organisations were consulted during the preparation of this document:

ARMY, RAN and RAAF  
Standards Australia  
Potential Suppliers from Industry  
Defence National Storage and Distribution Centre  
Australian Institute of Packaging

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**Published by:**  
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## AMENDMENT LIST

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**AUSTRALIAN DEFENCE STANDARD**

**DEF(AUST)1000C**

**ADF PACKAGING**

**PART 14: MINIMUM PACKAGING SPECIFICATIONS**

**FOR COMMERCIAL ITEMS**

**June 2009**

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**Prepared by the Defence Packaging Committee under the Authority of the Defence Standardisation Coordination Group.**

**Specific inquiries regarding the application of this Standard to Requests for Tender or contracts should be addressed to the Procurement Authority named in the Request for Tender or to the Quality Assurance Authority named in the contract, as appropriate.**

**This Specification is mandatory for use by the RAN, Australian Army and RAAF, and Contractors to the ADF.**

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**This Specification supersedes DEF(AUST)1000C PART 14 Erratum December 2004**

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**WARNING (1)**

This Standard may call for the use of substances and test procedures that may be injurious to health if adequate precautions are not taken. It refers to technical suitability only and in no way absolves the supplier or user from statutory obligations relating to health and safety at any stage of manufacture or use.

**WARNING (2)**

For timber products (ie packaging, dunnage and **plywood veneered products**) that are to be forwarded overseas please be aware of AQIS conditions on the export or import of timber products. Information on timber products is contained in DEF(AUST)1000, ADF Packaging, Part 10, AQIS Requirements, and AQIS Requirements for the Australian Wood Packaging Certification Scheme (IPSM-15) relevant information is contained at the following AQIS URL:

<http://www.daffa.gov.au/aqis/avm/military>

**WARNING (3)**

Environmental Impact / Materiel Minimisation.

In order to comply with Defence waste minimisation policy, users are reminded of their obligations to maximise use of recycled materials and the intent of the National Packaging Covenant in material decisions. Further information is available at : <http://www.defence.gov.au/environment> - waste

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DEF(AUST)1000C is issued in 20 parts, with each part sub-divided into Sections.  
The 20 parts are:

- |         |  |
|---------|--|
| PART 1: | General Information <sup>1</sup>   |
| PART 2: | Packaging Requirements <sup>1</sup>  |
| PART 3: | Packaging Practices and Materials <sup>1</sup>   |
| PART 4: | Standard Packaging Test Procedures <sup>1</sup>  |
| PART 5: | Marking of Packages <sup>1</sup>   |
| PART 6: | Packaging of Dangerous Goods (Except Dangerous Goods Class 1); Packaging Requirements and Packaging Mediums <sup>1</sup> |
| PART 7: | Packaging for Materiel Susceptible to Damage by Electrostatic Discharge <sup>1</sup>                                     |
| PART 8: | Defective Packaging Reporting System <sup>1</sup>  |

PART 9:	Requirements for Reusable Containers <sup>1</sup>
PART 10:	Australian Quarantine Inspection Service (AQIS) Requirements <sup>1</sup>
PART 11:	Unitisation <sup>1</sup>
PART 12:	Bar Code Symbolology <sup>1</sup>
PART 13:	Packaging Material Catalogue
PART 14:	Minimum Packaging Specifications of Commercial Items <sup>1</sup>
PART 15:	Packaging Specifications and Classification Systems <sup>1</sup>
PART 16:	Creative Brief Template
PART 17:	Packaging ILS Checklist
PART 18:	Life Cycle Analysis
PART 19:	Caching
PART 20:	Techniques for Deployment, Packaging and Storage for Tropical Conditions

<sup>1</sup> Denotes available at [http://www.defence.gov.au/dmo/lsd/standards/def\\_aust\\_1000.cfm](http://www.defence.gov.au/dmo/lsd/standards/def_aust_1000.cfm)

This PART of the Defence Standard concerns the Packing of Dangerous Goods, Special Packaging Requirements for the ADF and Packaging Materials.

Two or more parts may apply to any one packaging requirement and it is essential that all parts be considered and used where appropriate.

This Standard does not apply to the packaging of ammunition and explosives (for packaging information refer to EO Division – Munitions Branch). Further guidance available at URL: TBA

It should be noted that this standard might not be applicable to the packaging of materiel already covered by detailed contractual packaging or production data. Examples are, but not limited to, ammunition, explosives, non-commercial foodstuffs, POL, vehicles, small craft, clothing, arms, armament, telecommunications equipment and systems.

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## SECTION A

### MARKING AND PACKAGING FOR THE PROCUREMENT OF COMMERCIAL ITEMS (Minimum Requirements)

#### 1. FOREWORD

- 1.1 This Part contains stand-alone packaging information that can be readily used by ADF Procurement Agencies for procurement purposes. The Section can be used as a stand-alone attachment for tender documents.

#### 2. SCOPE

- 2.1 This Specification establishes the minimum requirements for packaging to be met by contractors when supplying the Australian Defence Forces (ADF) with commercial items or adapted commercial items.

##### 2.2 Applicability

- 2.2.1 This Specification is applicable to commercially produced or commercially adapted items only. It is not applicable to service designed items such as ammunition, explosives, foodstuffs, petroleum, oils and lubricants, vehicles, small craft, clothing, arms, armament, telecommunications equipment and systems already covered by detailed packaging or production data.

**NOTE:** This document is only applicable to the supply of commercial or adapted commercial items.

##### 2.3 Aim

- 2.3.1 The aim of this Specification is to ensure that items delivered to the ADF are received at the nominated delivery point:
- a. ensure items received are fit for purpose, but amount of packaging is minimised and use of virgin materials for packaging is minimised,
  - b. in a serviceable condition with adequate provision against corrosion, deterioration and physical damage;
  - c. in the quantity ordered; and
  - d. adequately identified to achieve acquittance on delivery without delay to enable prompt payment.

#### 3. APPLICABLE DOCUMENTS

- 3.1 Reference may be necessary to the latest issue of the following documents:

##### Standards Australia

AS 1199.0	Sampling procedures for inspection by attributes - Introduction to the ISO 2859 attribute sampling system
AS 1199.1	Sampling procedures for inspection by attributes - Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
AS 2490	Sampling procedures and charts for inspection by variables for percent nonconforming

Copies of Australian Standards may be obtained from:

Publication Distributor - SAI Global  
Office Hours: 8am to 5pm AEST  
Telephone: 131 242  
Facsimile: 1300 65 49 49  
Overseas Telephone calls +61 2 8206 6010  
Overseas Faxes +61 2 8206 6020  
Email: sales @sai-global.com  
Web shop: <http://www.saiglobal.com/shop>

Copies of these standards may be obtained from the Contract Authority.

For Defence personnel only: Standards Australia documents are available from the Defence Library Service at the following URL:

<http://library.dcb.defence.gov.au/standards/standards.nsf>

### **International Air Transport Association**

The latest edition, effective as at 1 January of the current year, of the International Air Transport Association (IATA) Dangerous Goods Regulations.

This document is available from:

Australian Federation of International Forwarders (AFIF)  
152 Bunnerong Rd,  
PAGEWOOD NSW 2035  
Telephone: (02) 9314 3055  
URL: [www.afif.asn.au](http://www.afif.asn.au)

### **Inter-Governmental Maritime Consultative Organization**

International Maritime Dangerous Goods Code (IMDG) including the Australian Supplement.

This document is available from: Boat Books Pty Ltd, 31 Albany St CROWS NEST NSW 2065 (Ph: 02 9439 1133), or Hunter T & H Publications, 58a Gipps St COLLINGWOOD VIC 3066 (Ph: 03 9417 5361)

### **Department of Transport & Regional Services**

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)  
The Australian Dangerous Goods Code 6th and 7th editions will run concurrently until 31 December 2008 at which time the 6th edition will be superseded.

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) Edition 6

These documents are available on DRN at the following URLs:

VOL 1 - <http://intranet.defence.gov.au/armyweb/sites/CDI/docs/vol1 -adg code.pdf>  
VOL 2 - <http://intranet.defence.gov.au/armyweb/sites/CDI/docs/vol2 -adg code.pdf>

These documents are also available at the following URL:

[http://www.dotars.gov.au/transreg/str\\_dgoodsum.htm](http://www.dotars.gov.au/transreg/str_dgoodsum.htm)

Edition 7

All Defence personnel involved in the management of dangerous goods can now access the ADG7 from the dangerous goods page on the OHSC website by viewing support tools and then selecting Item 6 (Publications (Codes, Standards, Guides) – Item 6.1.1 for Seventh (7<sup>th</sup>) Edition at the following URL:

<http://ohsc.defence.gov.au/Programs/DangerousGoods/>

#### 4. **DEFINITIONS**

- 4.1 For the purpose of this specification the following definitions shall apply:
- 4.1.1 **Commercial Items.** Items commercially produced or commercially adapted for Service use and governed by those technical descriptions nominated by the Ordering Authority.
- 4.1.2 **NATO Stock Number (NSN).** A stock number for use in accordance with the principles of the Codification and Standardisation Authority. It comprises a four digit NATO Supply Class Code and a nine digit NATO Item Identification Number e.g.: 8030 (NATO Supply Class Code - NSC) - 66-010-1234 (NATO Item Identification Number - NIIN).
- 4.1.3 **Multi Item Pack.** A package containing quantities of unrelated NSNs.
- 4.1.4 **Unit Load.** An assembly of a number of items or packages combined together as a single unitized load. Refer [DEF\(AUST\)1000, PART 11](#).
- 4.1.5 **Ordering Authority.** The Ordering Authority shall be the responsible agency for obtaining approval and notifying the Contractor of the Service requirements.

#### 5. **REQUIREMENTS**

##### 5.1 **Item Pack Identification**

- 5.1.1 Each item shall be identified by the following:
- a. NSN (if applicable, if not, b. (below) shall be used);
  - b. manufacturer's part number;
  - c. item name;
  - d. quantity; and
  - e. number of container, e.g.: 1 of 6, 2 of 10.
- 5.1.2 Clear identification marking on the outside of each package will ensure quick turn around on delivery, acquittance of delivery and accounting documents, and will facilitate payment within the contractual period.

##### 5.2 **Packing Notes**

- 5.2.1 Packing notes shall show:
- a. purchase order number; and
  - b. all information required for item identification listed in paragraph 4.1.

##### 5.3 **Quantities to be Packaged**

- 5.3.1 The quantities of packages shall be:
- a. as per the Packaging Instruction (PI); or
  - b. as directed by the Ordering Authority; and
  - c. if a. or b. (above) are not available, a standard primary pack quantity within a standard outer container (if applicable), depending upon the size and mass of the item being supplied.
- 5.3.2 Identical NSNs. Quantities of items having the same NSN shall be packaged together in a single container or containers as a consolidated group. The group of containers shall be identified by consecutive numbers within the consignment.
- 5.3.3 Complete Equipment's. Items, which form a kit, a set, or a group of stores, the total of which is identified by a single group stock number, are to be assembled and packaged together.

5.3.4 Multi Item Packs. When packing items of unrelated NSNs the following principles shall apply:

- a. concentration of items of the same NSC together, e.g.: Class 8040; or
- b. concentration of items for the same delivery point together and marking of the top left corner of the container face with the words MULTI PACK and the class numbers, e.g.: MULTI PACK, Class 8040, Qty 30; Class 8150, Qty 10; etc; and
- c. enclosure of packing note of contents in waterproof envelopes, affixing the documents to the outside of the container in a location where it will not be torn off or damaged.

#### 5.4 Primary Pack

5.4.1 The primary pack for the item shall be:

- a. the manufacturer's (proprietor's) standard pack designed for the item for the distribution and retail of their product; or
- b. the distributor's pack designed and employed for the distribution and sale of products marketed by the distributor; or
- c. when a. or b. (above) do not exist, a pack approved by the Ordering Authority.

5.4.2 Where primary packages are used as outer containers they shall meet the requirements of paragraph 5.6.

#### 5.5 Unpacked Items

5.5.1 Items which for reasons of size, mass, shape and/or material characteristics are not normally packaged, or the packaging of which would be uneconomical, may be accepted in the unpackaged state with the prior approval of the Ordering Authority.

#### 5.6 Outer Containers

5.6.1 Unless otherwise specified outer containers shall conform to the following:

5.6.1.1 **Fibreboard Boxes.** All boxes shall be manufactured from new fibreboard material. Used, sub quality, reject or soiled fibreboard or paperboard boxes shall not be accepted. Advertising matter foreign to the packaged content and/or the order shall not be accepted.

5.6.1.2 **Wooden Boxes.** Used boxes or boxes manufactured from reclaimed timber may be used. However, timber containing bolt or screw holes, or where the original nail holes coincide with the alignment of the nailing, or are in excess of four holes per board, shall not be used.

**NOTE: Preference to use timber sourced from sustainable harvests.**

5.6.1.3 **Export Packs.** These shall be accepted provided that all damage sustained in transit between the original supplier and the Contractor is made good by the Contractor, and that the package system is returned to its original state and quality by the Contractor before onforwarding to a Service installation.

5.6.2 **Method of Packaging.** The method of packaging shall provide effective protection to the contents against damage in handling by any mode of transport between the Contractor and the installation specified in the order at the receiving point..

**NOTE: Avoidance of the use of virgin materials, and using recycled packing materials where protection of items is ensured.**

5.6.3 **Material Compatibility.** The type, characteristics, effectiveness and compatibility of materials used shall be appropriate to the size, mass, shape and material characteristics of the contents of the package, outer container and/or unit load.

5.6.4 **Handling Aids.** Unless otherwise specified handling aids shall be provided on all containers as detailed in TABLE I.

5.6.5 **Strapping and Banding.** Outer containers shall be secured by the use of either steel, rayon, nylon or polypropylene band strapping material. The strapping shall be applied to provide security against the breaching of content and reinforcement of the container in transit. Packages made up to form palletized loads shall be secured by:

- a. plastic shrink wrap over the palletized load; or
- b. stretch wrap of either film or mesh; or
- c. band strapping of the packages to the pallet. (Must be utilised for delivery to RAN ships)

**NOTE: No plastic shrink or stretch wrap to be forwarded to RAN ships.**

**Table 1**  
**HANDLING AIDS**

SERIAL	GROSS MASS PACKAGE	LENGTH OF PACKAGE	HANDLING AIDS
1	Up to 10 kg	Under 1 m	Handles should be considered
2	10 to 35 kg	Under 1 m	Handles are desirable
3	Up to 35 kg	1 m and over	Fork lift skids and/or 2 lifting handles
4	35 kg to 75 kg	Under 1 m	Fork lift skids and/or 2 lifting handles
5	35 kg to 75 kg	1 m and over	Fork lift skids and/or 2 lifting handles
6	Over 75 kg	All sizes	Fork lift skids and/or sling devices.

5.6.6 **Standard Unit Load.** A single large item or a number of stacked packages, when bonded together, must meet the requirements of [DEF\(AUST\)1000, PART 11](#). Standard Unit Loads are based on the use of 1100 mm square Australian Standard Metric Pallet.

## 5.7 Electronic Items

5.7.1 Prevention of damage to items by Electrostatic Discharge (ESD) shall be through adherence to the following principles. Any electronic item that is susceptible to damage by ESD shall be packaged according to the latest issue of [DEF\(AUST\)1000, PART 7](#).

## 5.8 Markings of Outer Containers

5.8.1 Unless otherwise specified, outer containers shall be marked in accordance with the requirements of [DEF\(AUST\)1000, PART 5](#). Special/warning and cautionary markings in accordance with [DEF\(AUST\)1000, PARTS 5 & 6](#) shall be applied as follows:

- a. 'use No Hooks or Grabs';
- b. 'this Side Up';
- c. 'open This Side for Inspection';
- d. 'open This Side for Identification' (where applicable);
- e. 'Technical Manual This Case' (where more than one case is involved); and
- f. other markings as required.

5.8.2 **Marking of Commercial Items.** Marking of commercial items shall be in accordance with ANNEX A.

5.8.3 **Government Ownership.** All boxes shall be marked on one side and the lid with the Broad Arrow Symbol in accordance with DATA SHEET No.1.

5.8.4 **Dangerous Goods.** Outer containers packed with supplies classified as dangerous to personnel and/or property, shall conform to the specifications and pass the necessary tests as detailed in the latest edition of The Australian Code for Transport of Dangerous Goods by Road and Rail, or International Air Transport Association (IATA), or the International Maritime Dangerous Goods Code (IMDG), as applicable, and [DEF\(AUST\)1000, PART 6](#).

5.9 **Delivery**

5.9.1 The conditions of delivery and mode of transport shall be stated in the procurement documents by the Ordering Authority.

5.10 **Examination**

5.10.1 Sampling Procedure. When compliance with the requirements of this specification are based on statistical sampling and inspection, the sampling procedures and operating characteristics of the sample plan shall be subject to the approval of the Quality Assurance Authority. The Quality Assurance Authority reserves the right to use the following documents for verifying that the Contractor/s sampling plans are effective, wherever they are determined to be applicable:

- a. AS 1199; and
- b. AS 2490.

5.10.1.1 Where AS 1199 is used the following shall be adhered to:

- a. Inspection Level 2 shall be used; and
- b. the classification of defects shall be in accordance with AS 1199 Table 1.

5.10.2 Acceptable Quality Levels (AQL). The AQL shall be as follows:

- a. Special Defects - 0.4 per cent;
- b. Major Defects - 1 per cent; and
- c. Minor Defects - 4 per cent.

5.10.3 Classification of Defects. The classification of defects shall be as detailed in TABLE 2.

**Table 2**  
**CLASSIFICATION OF DEFECTS**

SERIAL	DEFECT	CLASSIFICATION		
		SPECIAL	MAJOR	MINOR
1	Quantities of boxes ordered not to specification.	X		
2	Insufficient or illegible identification detail.		X	
3	Ruptured or damaged outer containers.		X	
4	Structural or mass limitations of outer containers exceeded by mass of contents.		X	
5	Containers not adequately sealed.		X	
6	Bundled items not securely constrained.			X
7	Marking not to specification.			X

**6. QUALITY ASSURANCE PROVISIONS**

- 6.1 The Contractor shall maintain effective control of the quality of supplies and/or services (including subcontracts), provide test facilities and perform all examinations and tests stated in the contract to demonstrate conformance of supplies and/or services to the technical requirements of the contract and shall offer for acceptance only supplies and/or services that conform to these requirements.
- 6.2 The Contractor shall be responsible for the provision of objective evidence demonstrating that the controls applied and inspections carried out are effective.
- 6.3 The Ordering Authority is the Quality Assurance Authority and reserves the right to perform any examinations or tests to ensure that supplies and/or services conform to the technical requirements of the contract.
- 6.4 Acceptance of all supplies and services shall be subject to agreement by the Ordering Authority that the quality requirements have been fulfilled. The Quality Assurance Authority reserves the right to reject any supplies which fail to meet the technical requirements of the contract.
- 6.5 The Request for Tender and contract shall nominate the Ordering Authority, quality assurance and acceptance provisions and the requirements for contractor's quality control.

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**ANNEX A - MINIMUM MARKING REQUIREMENTS OF DEFENCE GOODS FOR DELIVERY WITHIN AUSTRALIA OTHER THAN DANGEROUS GOODS**

**A1. SCOPE**

- A1.1 This data sheet outlines the minimum requirements required for commercial goods supplied to Defence.

**A2. REQUIREMENTS**

- A2.1 **Individual Items.** Each individual item is to be marked with the following where practicable:

- a. NATO Stock Number (NSN)
- b. Month/Year Manufacture
- c. Manufacturer's Name or Monogram; and
- d. Defence ownership symbol as per Data Sheet No.1.

- A2.2 **Outer Containers.** The following markings are to be placed on the outer container in the panels indicated as per FIGURE 1.

**A2.2.1 Panel 1 - Identification**

- a. NATO Stock Number (NSN)
- b. Quantity and Unit of Issue; and
- c. Multi-item Pack when various supply classes are packed in a single container e.g., MULTI 1510, 2620, 3130

**A2.2.2 Panel 2 - Handling Details**

- a. Any necessary handling details i.e. fragile

**A2.2.3 Panel 3 - Consignment Detail**

- a. Package Number within delivery (e.g. 1/22 to 22/22); and
- b. Removable Address Label when goods are delivered via third party, e.g., rail, freight onforwarder etc.

**A2.2.4 Panel 4 - Special Markings**

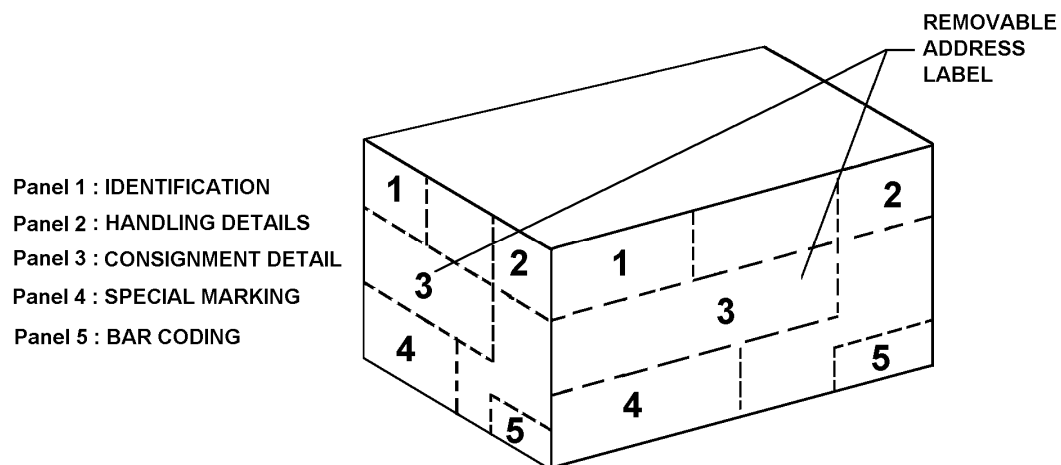
- a. Any necessary special marking

**A2.2.5 Panel 5 - Bar coding**

- a. Bar coding requirements in accordance with [DEF\(AUST\)1000 PARTS 5 & 12](#) are to be located in Panel 5.

**NOTE:** Package number one of each consignment shall contain relevant delivery dockets, etc.

- A2.3 For further details regarding packaging and marking of consignments including drums, bundles or rolls refer to [DEF\(AUST\)1000 PART 5](#).



**Figure 1 MARKING FRAME**

## DATA SHEET No 1

### BROAD ARROW SYMBOL

#### 1. SCOPE.

- 1.1. The broad arrow has been adopted as one symbol to denote ownership of an item by the Australian Government. Other markings e.g. Australian Coat of Arms, single or tri-Service badges may be used in particular cases instead of the broad arrow.

#### 2. REQUIREMENTS

##### 2.1 Marking

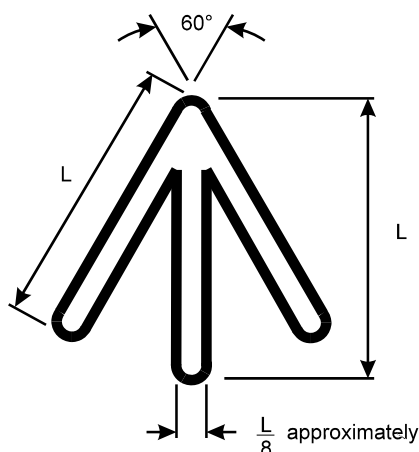
- 2.1.1 All Service stores, equipment and re-usable containers shall be marked with the broad arrow symbol, as shown in FIGURE 2, when instructed to do so by the Design or Ordering Authority.

##### 2.2 Method of Application

- 2.2.1 The symbol shall be applied by one of the following methods:
- applied directly to the surface of the item by an approved process such as metal stamp, vibro peening, acid, electric or electrochemical etching, embossing, forging, blasting, casting, moulding or indelible ink marking;
  - by application to a plate and securing the plate to the item; or
  - by decalcomania transfer, foil label, metal wraparound tag, stencil or silk screen.

##### 2.3 Compatibility

- 2.3.1 Marking materials creating hazardous conditions shall not be used. The marking of items shall be accomplished in a manner, which will not adversely affect the life or utility of the item.



#### STANDARD SIZES

Overall length "L" in millimetres	8, 16, 24, 40, 56, 80, 96
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Figure 2 BROAD ARROW SYMBOL

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**SECTION B - TEMPORARY CORROSION PREVENTIVE, GENERAL PURPOSE; (Minimum Requirements)**

**1. SCOPE**

- 1.1 This Specification covers the minimum requirements for commercially available, general purpose, temporary corrosion preventative products, for use on non-critical ferrous and non-ferrous metal surfaces on equipment and component spare parts for short and long term storage.

**2. APPLICABLE DOCUMENTS**

- 2.1 Reference may be necessary to the latest issue of the following documents:

**Standards Australia**

AS 1580.452.1      Paints and related materials - Methods of test - Resistance to humidity under condensation conditions

AS 2331.3.1      Methods of test for metallic and related coatings - Corrosion and related property tests - Neutral salt spray (NSS) test

**Australian Department of Defence**

DEF(AUST) 5695    -      Minimum Standards Of Practice For The Storage, Handling And Quality Control Of Fuels, Lubricants And Allied Products

**3. REQUIREMENTS**

**3.1 Description**

- 3.1.1 The product composition shall be either:

TYPE A -      an asphaltic compound dissolved in petroleum solvents, with inhibitors, which on application dries to a tough, thin and opaque film; or

TYPE B -      a highly refined mineral lubrication oil containing corrosion inhibitors and additives which on application leaves a thin and uniform protective coating of oil.

**3.2 Characteristics**

- 3.2.1 **Flash point °C.** Both products TYPES A and B should have a Flash Point not less than 37°C by the applicable method in accordance with DEF(AUST)5695 ANNEX D – Flash Point Test Procedure.

- 3.2.2 **Test for Protection Against Salt Spray.** The products must pass the accelerated Salt Spray test in accordance with AS 2331.3.1 (500 hours duration).

- 3.2.3 **Test for Protection Against Humidity.** The products must pass the Humidity test in accordance with AS 1580.452.1 (500 hours duration).

- 3.3 **Procedure of Application.** To be easily applied by dipping, spraying, brushing or flow coating.

- 3.4 **Removal.** The product is to be easily removed, by an appropriate method, where applicable, and should retain this property when the product film has aged.

- 3.5 **Uses.** For the protection of non-critical ferrous and non-ferrous metal surfaces of equipment and component spare parts. The product, when required, should be suitable for the protection of items for a minimum period of one (1) year for short term storage, and a minimum period of three (3) years for long-term storage.

- 3.6 **Safety Precautions.** The product is to be supplied for testing with all the relevant Material Safety Data Sheets (MSDS).
- 3.7 **Compatibility.** The manufacturer is to supply information on compatibility of their product formulation with plastics, rubbers and paints.
4. **PREPARATION FOR DELIVERY**
- 4.1 The conditions of delivery and mode of transport shall be stated in the procurement documents by the Ordering Authority

## 1. PUBLICATION IMPROVEMENT REPORT AND REPLY (PIRR)

### 1.1. Introduction

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AO 011  
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Department of Defence

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Requests for copies of this Standard, or certain of the listed Applicable Documents, may be directed to the appropriate source listed below:

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Director Naval Platform Systems  
Department of Defence (Navy Office)  
Campbell Park Offices (CP4-SP-013)  
CANBERRA ACT 2600  
Attention: NSTDC  
Telephone: (06) 266 2906  
Facsimile: (06) 266 2105

### **DEPARTMENT OF DEFENCE (Land)**

Land Engineering Agency  
Attention: Technical Data Centre  
Defence Plaza Melbourne  
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MELBOURNE VIC 3000  
Email: [LEATechnicalData@dmex.defence.gov.au](mailto:LEATechnicalData@dmex.defence.gov.au)  
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