

AUSTRALIAN GOVERNMENT

AUSTRALIAN DEFENCE STANDARD

DEF(AUST) 1000C Part 10 / Issue 6 / Type S

Dated 19 Jun 2012

SUPERSEDING

DEF(AUST) 1000C Part 10 / Amendment 4 / (Issue 5) Dated May 2007

ADF PACKAGING STANDARD

PART 10: DEPARTMENT OF AGRICULTURE, FISHERIES AND FORESTRY BIO SECURITY REQUIREMENTS

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

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WARNING (1)

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

WARNING (2)

Environmental Impact / Materiel Minimisation. In order to comply with Defence waste minimisation policy, users are reminded of their obligations to apply the Australian Packaging Covenant and maximise use of recycled materials (where possible) in material decisions. Further information is available at: http://www.defence.gov.au/environment/waste_minimisation.htm

WARNING (3)

Due to the specific requirements for packaging of Explosive Ordnance (EO) any cleaning or treatment of EO items being deployed overseas and returned to Australia must be conducted by personnel authorised in accordance with equipment of Defence Explosive Regulations. Any cleaning materials used on EO must be authorised for use to ensure compatibility with the EO item has been assessed. Further advice is available from the Explosive Ordnance Division, Munitions Branch, EO Packaging Desk Officer on Tel: (02) 4726 1251.

Prepared by the Defence Packaging Committee (DPC) under the Authority of the Defence Logistics Committee.

Specific enquiries regarding the application of this Standard to Requests for Tender or contracts should be addressed to the Contact Officer named in the Request for Tender or to the Quality Assurance Representative named in the contract, as appropriate.

This Standard is mandatory for use by all staff of the Australian Defence Organisation (ADO), and Contractors to all procurement authorities within the ADO.

This Standard supersedes DEF(AUST) 1000C Part 10 / Amendment 4 (Issue 5) dated May 2007.

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

PART 1:	General Information ¹
PART 2:	Packaging Requirements ¹
PART 3:	Packaging Practices and Materials ¹
PART 4:	Standard Packaging Test Procedures ¹
PART 5:	Marking of Packages ¹
PART 6:	Packaging of Dangerous Goods (Except Dangerous Goods Class 1),
	Packaging Requirements and Packaging Mediums ¹
PART 7:	Packaging for Material Susceptible to Damage by Electrostatic Discharge (ESD) ¹
PART 8:	Defective Packaging Reporting System ¹
PART 9:	Requirements for Reusable Containers ¹
PART 10:	Department of Agriculture, Fisheries and Forestry Bio Security
	Requirements ¹
PART 11:	Unitisation (Palletisation of Supplies) ¹
PART 12:	Automated Identification Technology Labelling and Marking ¹
PART 13:	Defence Packaging Material Handbook
PART 14:	Minimum Packaging Specifications of Commercial Items ¹
PART 15:	Packaging Specifications and Classification Systems ¹
PART 16:	Creative Packaging Brief
PART 17:	Packaging ILS Checklist
PART 18:	Life Cycle Analysis
PART 19:	Cache Specific Packaging
PART 20:	Techniques for Deployment, Packaging and Storage for Tropical Conditions

¹ Denotes available at http://www.defence.gov.au/dmo/lsd/standards/def_aust_1000.cfm

Users of this Standard are encouraged to identify deficiencies, suggested amendments and/or opportunities for improvement, in any of the twenty parts by using the process and forms provided in DEF(AUST)1000C Part 1 - General Information.

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

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, petrol, oil, lubricants, vehicles, small craft, clothing, armaments, telecommunications equipment and systems.

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1. INTRODUCTION

- 1.1. In recent times the Australian Defence Force (ADF) has been deployed, with equipment, to many foreign countries. On a number of occasions, failure to comply with Department of Agriculture, Fisheries and Forestry (DAFF) BIO SECURITY regulations has resulted in problems and delays for the return of equipment to Australia at the completion of the deployment. If the equipment (and its associated packaging) is not properly treated or cleaned this could lead to unwanted pests or foreign matter arriving into Australia, potentially having an adverse effect on the Australian environment.
- 1.2. In particular, the use of wood, foam, rubber and other packaging products can create problems on the return to Australia.

2. SCOPE

This part of the Standard details the Australian Defence Organisation (ADO) procedures and processes that need to be followed when equipment (and its associated packaging) is deployed to and returned from overseas to ensure conformance to DAFF BIO SECURITY regulations. It is also to be used as a guide for project staff who have equipment that requires repair, servicing or maintenance in an overseas country.

3. PURPOSE

The purpose of this part is to provide information to the Australian Defence Organisation relating to the DAFF BIO SECURITY regulations for return of equipment (and its associated packaging) from overseas. Adherence to this instruction in relation to cleaning and treatment of equipment will ensure appropriate DAFF BIO SECURITY certification is obtained. Failure to abide with these guidelines will cause delays and possibly destruction of the equipment and/or its associated packaging.

4. DEFINITIONS AND APPLICABLE DOCUMENTS

4.1. Definitions

The Australian Macquarie Dictionary current at the date of issue of this Standard is the reference source for all terms used in this Standard, except for those defined in this Definitions section.

4.2. Applicable Documents

- 4.2.1. Reference may be necessary to the latest issue of the following documents:
- 4.2.2. Australian Department of Defence
 - a. DEF(AUST) 1000C Part 20 Section 1 Chapter 6 Techniques for Deployment, Packaging and Storage for Tropical Conditions.
 - b. DI(G) LOG 4-4-009 Australian Defence Force Force Extraction Cleaning Manual (available at URL: http://intranet.defence.gov.au/home/documents/DATA/ADFPUBS/DIG/GL4_4_009.PDF)
- 4.2.3. Department of Agriculture, Fisheries and Forestry
 - a. Wood packaging certification scheme for Australian exports (ISPM15). Available from URL: http://www.daff.gov.au/aqis/import/timber/ispm-15
 - b. Importing timber and wood packaging to Australia. Available from URL: http://www.daff.gov.au/agis/import/timber.
 - c. Cargo Containers: Quarantine Aspects and Procedures. Available from the following URL: http://www.daff.gov.au/aqis/import/cargo/aspects-procedures
 - d. Australian Defence Force Military Equipment & Personnel Guidelines for Offshore Inspection. Available from the following URL: http://www.daff.gov.au/aqis/avm/military/adf

4.2.4. DAFF BIO SECURITY Import Conditions

a. Machinery - New or used refurbished and/or re-conditioned aircraft parts and components.

- b. Machinery New machinery including spare parts (not agricultural).
- Machinery Used machinery including spare parts not used in rural context or in contact with soil.
- d. Machinery Used passenger vehicles, used road vehicles including spare parts (non-agricultural).
- e. Military foods and biologicals.
- f. Wood packaging and dunnage. (New Zealand)
- g. Wood packaging and dunnage. (New Zealand excepted)

Note: The URLs of the DAFF BIO SECURITY Conditions above may be found by performing searches with either "aircraft parts", "military" or "dunnage" entered as the commodity name on the DAFF BIO SECURITY web site: http://www.aqis.gov.au/icon/asp/homecontent.asp

4.2.5. Standards Australia

- a. AS1604.1 Preservative Treatment Sawn and Round Timber.
- b. AS1605.1 to AS1605.4 Methods for Sampling and Analysing Timber Preservatives and Preservative Treated Timber.
- c. Copies of Australian Standard 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

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

5. REQUIREMENTS

5.1. Considerations for deployment and equipment returning from deployment.

5.1.1. Wood

- a. If wood products such as pallets, packaging, bracing, dunnage and forklift skids under containers etc, are to be used on deployment, under DAFF BIO SECURITY regulations the wood will be required to be inspected on arrival and possibly treated or destroyed. Therefore consideration should be given to alternative products such as steel, aluminium, fibreboard, plastic etc. If wood is essential to the deployment the one-way approach should be considered, taking into account the host country's environmental concerns if the wood is to be destroyed or discarded. For further information regarding the importation of timber packing, refer to the URLs indicated in paragraph 4.2.3.
- b. If there is a requirement for the wood product to be returned to Australia, the wood will either need to be treated or fumigated to DAFF BIO SECURITY requirements before departing the country of origin, or treated or destroyed on arrival in Australia. This process must be carried out by a recognised contractor (at a cost and considerable time delay at the point of entry with the added risk that the contents of the container may be damaged in the fumigation or fogging process).
- c. For dunnage and bracing requirements during the deployment it will be necessary to take a supply of timber for this task with the expectation that the timber will be destroyed on return.

d. The ISPM-15 Wood Certification Scheme has been introduced world wide for wood packaging materials and dunnage. DAFF BIO SECURITY has advised they have implemented the Wood Packaging Scheme ISPM-15 to signify that timber has been treated for export/import. DAFF BIO SECURITY also stipulates this policy requires all timber products ie. case pallets and dunnage to be stamped with the ISPM-15 mark to indicate mandatory treatment either offshore or onshore for all solid wood packaging. See paragraph 4.2.3 a for the website link to the international implementation of ISPM-15.

5.1.2. Foam and Rubber Products

- a. Consideration should be given to the use of only those foam products (eg vehicle, forklift, tow motor seats or cushioning in containers) that can be cleaned, as these products attract the ingress of dirt and seeds. Waterproof foam or medium to high-density closed cell foam should be considered. Guidance should be sought on the management of the product on the return from consignments and deployments.
- b. Generator sets and other like equipment that use foam or rubber as insulation or sound deadening, should be designed to make provision for easy removal of the foam for cleaning or discarding on return from deployment. If the foam has been glued with an adhesive to the equipment, the equipment may be damaged during removal of the foam.

5.1.3. Personal Equipment

- a. Defence Kit on issue (including unaccompanied personal effects) are to be cleaned to DAFF BIO SECURITY requirements, to ensure that clothing and kit is free from dirt and plant matter (seeds, grass, etc).
- b. Left over items from ration packs are to be disposed of appropriately and not left in webbing, bags etc, before returning to Australia. Detailed information can be found on the DAFF BIO SECURITY website: www.aqis.gov.au/military.
- c. Detailed cleaning instructions for personnel equipment are detailed in chapter 3 of DI(G) LOG 4-4-009 ADF Force Extraction Cleaning Manual and DAFF BIO SECURITY document Military Equipment and Personnel: Guidelines for Offshore Inspection. (Refer to annex B).

5.2. Considerations for Projects

- 5.2.1. Project managers should be aware that if equipment needs to be sent overseas for maintenance or repair, the use of wood and foam for packaging and containers should be avoided if possible, because the use of wood can cause major problems on return to Australia. For ease of conforming to DAFF BIO SECURITY regulations it may be worthwhile considering Special-To-Contents-Containers manufactured from plastic, aluminium, fibreglass or other acceptable materials that will accompany the equipment or component for its entire life cycle.
- 5.2.2. For unique designed military equipment (as distinct from commercially adapted equipment) advice should be sought from DAFF BIO SECURITY at the design or prototype stage of the project. This advice may avoid the unnecessary creation of nooks and crannies that attract soil and other unwanted material, and will aid in the cleaning of equipment for returning to Australia from deployment. The cleaning of equipment from an overseas deployment is a time consuming task, especially if the equipment has to be dismantled prior to the cleaning process. The availability of fresh clean water in the country of a deployment may be limited and may not be available for cleaning of equipment.

5.3. Cleaning and Inspection Procedures

5.3.1. The aim of the DAFF BIO SECURITY inspection is to ensure that all equipment is free from soil, plant, insect and animal matter (Quarantine Risk Material [QRM]). Cleaning and inspection time will largely depend on the amount of equipment to be inspected and the Standard to which it has been cleaned. Equipment that has not been cleaned correctly will be rejected and not allowed entry into Australia.

Note: DAFF BIO SECURITY Policy for cleaning is to clean to 'as new'.

5.3.2. The basic and specific cleaning guides for selected vehicles and equipment types are contained in DI(G) LOG 4-4-009 - ADF Force Extraction Cleaning Manual.

- 5.3.3. The document details equipment that has been identified as having specific cleaning requirements or where DAFF BIO SECURITY has observed that there may be some specific cleaning difficulties. Where detailed, these points are additional cleaning requirements to the basic cleaning process. Where items are of a nature that precludes the use of water, they are to be air-blown and brushed or wiped clean.
- 5.3.4. This guide is not designed to be definitive, but rather seeks to provide guidance on the cleaning of general stores and equipment. Guides should be used and applied to the appropriate equipment as necessary to achieve the DAFF BIO SECURITY cleaning requirement.

5.4. Equipment Cleaning Guide A-Z

5.4.1. This guide comprises of a most comprehensive coverage of the DAFF BIO SECURITY cleaning procedures used in Defence.

For Defence personnel only: Equipment Cleaning Guide A–Z is available at the following LIRL:

http://defweb.cbr.defence.gov.au/home/documents/data/DEFPUBS/DEPTMAN/DEFLOGMAN/VOLUME6/04.pdf

For other than Defence personnel: Equipment Cleaning Guide A–Z is available at request from the Contract Authority.

- 5.4.2. For detailed advice and guidance on cleaning and inspection procedures for military and personal equipment returning to Australia refer to the following documents:
 - a. DI(G) LOG 4-4-009 ADF Force Extraction Cleaning Manual and the <u>Applicable Documents</u>.
 - b. DAFF BIO SECURITY document, Military Equipment and Personnel: Guidelines for Offshore Inspection, available from DAFF BIO SECURITY Web site URL listed at paragraph 4.2.3.

5.5. Aircraft Parts and Components

The conditions DAFF BIO SECURITY will impose on the importation of aircraft parts and components are contained at the DAFF BIO SECURITY URL in paragraph 4.2.4. However, the provision of low risk quarantine packing containers e.g, similar to the plastic moulded MINIMI case, would assist to expedite the DAFF BIO SECURITY clearance of the aircraft parts on arrival back into Australia.

5.6. ISO Containers

If ISO containers are used for transporting materiel, all seals on the containers should be checked as faulty seals will allow the ingress of unwanted pests and material. The containers should also be checked for rust, as this will also harbour unwanted material.

5.7. DAFF BIO SECURITY Advice and Involvement

- 5.7.1. DAFF BIO SECURITY advice and involvement should be sought on deployment, forwarding, return and extraction of materiel from overseas countries. This can be arranged direct through the DAFF BIO SECURITY Military National Coordination Centre (NCC), or through HQ1JMOVGP. Detailed advice on preparation of materiel for entry into Australia can be found on the DAFF BIO SECURITY website. Enquiries should be directed to the DAFF BIO SECURITY Machinery and Military NCC Contact information is detailed in annex A. Additional information is also available at the JLC DAFF BIO SECURITY webpage at URL: http://intranet.defence.gov.au/jlc/sites/SupplyChainSupport/comweb.asp?page=33958&Title=AQIS
- 5.7.2. Staff of projects involved with equipment that may be used for deployment overseas, or equipment that is to be packaged to go overseas for maintenance, should obtain advice from DAFF BIO SECURITY personnel at the requirements, design and prototype stages.
- 5.7.3. The DAFF BIO SECURITY web site is available at: http://www.daff.gov.au/aqis
- 5.7.4. The link to the DAFF BIO SECURITY Import Conditions Database, which provides information on the import conditions of various commodities, is http://www.aqis.gov.au/icon/asp/homecontent.asp.. Import information includes inspection, mandatory treatment or minimal entry requirements, and advice on whether a permit is required.

- 5.7.5. To see Public Alerts advising of new arrangements or changes to import conditions select the "Alert" tab.
- 5.7.6. To find the import conditions on over 20,000 commodities select the 'search' tab, then type in the commodity eg 'timber' and press 'Enter'.

6. INQUIRIES AND AMENDMENTS

General inquiries and suggested amendments to this document should be addressed to:

Configuration Manager (Technical Data) Army Standardisation Land Engineering Agency 3rd Floor, Defence Plaza Melbourne 661 Bourke Street MELBOURNE VIC 3000 Inquiries to Department of Agriculture, Fisheries and Forestry (DAFF BIO SECURITY) regarding general import and inspection requirements, or specific military equipment may be directed to the addresses below:

Military National Coordination Centre (Military NCC)

DAFF BIO SECURITY

PO Box 222

Hamilton QLD 4007 Telephone: (07) 3246 8706 Fax: (07) 3246 8785

Email: military@daff.gov.au.

For information on general ADF operational procedures within ports, enquiries should be directed to the relevant Joint Movements Group Office below:

HQ1JMOVGP Ph: 02 9393 2581		Joint Movement Control Office (JMCO) Sydney	
Fax		ос	Ph: 02 8745 7735
	Exercises SO2 Plans	2IC	Ph: 02 8745 7737
Ph:	02 9393 2581	OPSWO	
Mob:	0418 687 461		Fax: 02 8745 7795
Fax:	02 9393 2592	After hours	Mob: 0409 990 403
After Hrs:	0411 236 810		
JMCO-Darwin		JMCO-Melbourne	
ос	Ph: 08 8925 6951	2IC	Ph: 03 8481 7022
OPSO	Ph: 08 8925 6744		Ph: 03 8481 7026
OPSWO	Ph: 08 8925 6978		Ph: 03 8481 7021
After hours:	Duty Officer Mob: 0419 141 665	After hours	Mob: 0418 388 367
JMCO- Townsville		JMCO-Adelaide	
ОС	Ph: 07 4477 1189		
	Mob: 0419 723 618	CO	Ph: 08 8305 6509
21C	Ph: 07 4477 7612	2IC	Ph: 08 8305 6518
	Mob: 0408 021 986	OPSWO	
OPSWO	Ph: 07 4411 8991	Fax	Fax: 08 8305 6110
Fax	Fax: 07 4411 7090	After hours	Mob: 0411 236 820
After Hours	Duty Officer Mob: 0408 608 944		
JMCO-Brisbane		JMCO-Perth	
OPSO	Ph: 07 3332 6697	2IC	Ph: 08 9269 4766
OPSWO	Ph: 07 3332 6924		Mob: 0407 264 485
	Fax: 07 3332 7242	OPSWO	Ph: 08 9269 4723
Fax			
Fax After Hours	Mob: 0419 684 128	Fax number	Fax: 08 9269 4722 Mob: 0407 264 485

REQUESTS FOR DOCUMENTS

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

DEPARTMENT OF DEFENCE (Maritime)

Directorate of Navy Platform Systems CP4-5-155 PO Box 7913

CANBERRA ACT 2610 Telephone: (02) 6266 2325 Facsimile: (02) 6266 4580

Requests must state Navy Project Number

DEPARTMENT OF DEFENCE (Land)

Configuration Management Centre Land Engineering Agency DPM-3

661 Bourke St Melbourne VIC 3000

Email: <u>LEATechnicalData@drnex.defence.gov.au</u>

Facsimile: (03) 9622 2942

Requests must be direct to the Point of Contact identified on the Tender Request

DEPARTMENT OF DEFENCE (Air)

Aerospace Publications (AP)
Aerospace Materiel Systems Program Office (AMSPO)
Building L007-01
RAAF Williams
Laverton VIC 3027
Telephone: (03) 9256 4568

Telephone: (03) 9256 4568 Facsimile: (03) 9256 4888

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Army Standardisation:

http://vbmweb.sor.defence.gov.au/SPECS/Triservice/Directory.htm

Aerospace Publications:

ADF Maritime Material Requirements Set:

http://defweb.cbr.defence.gov.au/navysyscom/mrs/HomePage.asp

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