

MIL-STD-1510B
30 September 1988

MIL-STD-1510A
15 June 1978

MILITARY STANDARD
CONTAINER DESIGN RETRIEVAL SYSTEM
PROCEDURES FOR USE OF

AMSC NO. F4539

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FOREWORD

1. There is a need to ensure that designers of containers for new items take full advantage of designs which already exist, particularly when the existing design is already in production or available from current inventory. The procedures contained in this standard provide directions and instructions for: (a) use of CDRS by agencies and contractors of the DOD, and (b) addition of new/modified container designs for future reuse by other DOD activities.
2. The primary objective of the Container Design Retrieval System (CDRS) is to save time and money by reducing design and test effort on specialized reuseable containers for new and existing items and by identifying for reuse those specialized reuseable containers and designs already available in the DoD inventory. The procedures contained in this standard serve this objective by:
 - a. Requiring DOD components and contractors requiring specialized reuseable containers (as defined in this standard) to submit a request for a retrieval from the centralized data base of potentially useable designs prior to initiating detailed designs of new specialized reuseable containers.
 - b. Requiring all DOD activities and contractors to furnish design data for each new specialized reuseable container (as defined in this standard) design (whether a completely new design or modification of an existing design) as soon as the design is approved for use, thus assuring that the CDRS data base is continuously replenished.

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DEPARTMENT OF DEFENSE
Washington, DC 20301

Container Design Retrieval System, Procedures for Use of

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense (DoD).
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: MSD/YBAC, Eglin AFB FL 32542-5000 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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CONTAINER DESIGN RETRIEVAL SYSTEM
PROCEDURES FOR USE OF

1. SCOPE

1.1 Scope. This standard provides DOD activities having packaging development/procurement responsibilities, and their contractors, the instructions for the use of the Container Design Retrieval System (CDRS).

1.2 Application. The procedures contained in this standard are to be followed when the potential need for a specialized reuseable container first appears during the course of item engineering, development, or production. The development activity shall determine to what extent the requirements contained herein apply to sub-contractors, vendors, and suppliers and shall ensure application of these requirements by appropriate sub-contractors, vendors, and suppliers.

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2. REFERENCED DOCUMENTS - Not applicable

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3. DEFINITIONS

3.1 Container Design Retrieval System (CDRS). The management system and facilities that provide a central automated data system for storing, retrieving, and analyzing existing container design and test information, locating excess container assets, assisting in design, prototyping, and testing of specialized reuseable containers for new acquisitions, existing, or modified items/equipment already in the DOD inventory. "A catalog of aluminum extrusion designs used in DOD container applications is included in the CDRS Data Base (single wall, double wall, and assorted shapes)."

3.2 Specialized reuseable containers. A specialized reuseable container is uniquely configured to support and protect its prescribed contents while in transportation, storage, and handling; or to protect personnel and equipment from hazardous contents. "Other characteristics of these containers may include: (1) incorporation of energy damping system, temperature control system, and humidity or pressure capability; (2) engineering drawings which define materials, dimensions, form, fit, function, fabrication or assembly; (3) a generally long life equalling the service life of the item or items it is designed to protect; (4) exterior materials made of metal, fiberglass, plastic, synthetics, or composite materials. (EXCLUDING: fiberboard, wood, plywood, and spiral wound fiber.)"

3.3 Container Design Retrieval System Management Office (CDRS/MO). The Air Force activity having personnel, facilities, and authority to provide CDRS services to DOD development/procurement activities. The CDRS/MO address is: MSD/YBAC, Eglin AFB FL 32542-5000.

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4. GENERAL REQUIREMENTS

4.1 Basic procedure. The development activity (government activities or contractors through procuring activities) shall use CDRS in accordance with the following prescribed procedures: (1) submit a request for retrieval to the CDRS/MO for search of the CDRS data base to locate a specialized reuseable container design after the general characteristics of a needed container are determined, but before its firm allocated baseline has been established, and before starting full-scale engineering development of a new container. DIDs DI-PACK-80683, Container Design Retrieval System Search Request, and DI-PACK-80684, Container Design Retrieval System Data Input, apply to these requirements. Deliverable data identified on the DD Form 1423 shall be prepared in accordance with instructions specified in those DIDs.

4.1.1 Design search request submittal. After the development activity has established a requirement for a specialized container, the configuration of the contents is reasonably firm, and protection levels have been tentatively established, CDRS services shall be solicited before initiating detailed engineering design of the needed container. The development activity shall: (1) identify packaging requirements for which a specialized reuseable container is required, (2) prepare a search request, and (3) submit the search request to CDRS/MO. DOD in-house container development activities and contractors shall submit search request directly to CDRS/MO. DOD contractors must submit an information copy of the search request to their respective contract administrative office to be forwarded to the cognizant program office. Note: All Air Force activities subscribing to CDRS will refer all requirements for design of new containers to the Air Force Container Development Activity at the Munitions Systems Division, Eglin Air Force Base, Florida.

4.1.2 CDRS/MO search response. The CDRS/MO will identify reuseable specialized container designs and assets suitable to fulfill the requirements of the development activity. The CDRS/MO will provide technical guidance on the use of a design(s) retrieved from the CDRS data base and considered technically/logistically suitable to satisfy the new requirement. The CDRS/MO will also determine whether or not container assets (conforming to the retrieved design(s)) are available for use in the new program and provide applicable inventory management information to the development activity. The CDRS/MO response will be submitted to the requester within 60 days after receipt of the search request and descriptive data. The contractor shall, unless otherwise authorized, withhold container development for the item involved pending receipt of the CDRS search response.

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4.1.3 Design activity action on CDRS/MO response. Upon receipt of response from CDRS/MO, the design activity shall initiate appropriate action based upon the CDRS/MO proposal and the terms of the contract. Contractor interactions with the government shall be through the Administrative Contracting Officer (and the Procuring Contracting Officer where appropriate) to ensure that all changes are accomplished in strict accordance with applicable contract terms. Under no circumstances may response from CDRS/MO only, without firm direction from the Procuring Contracting Officer, be interpreted as an instruction from the government to change contract terms or to do work beyond that which is explicitly specified in the contract.

4.1.4 Negative response from CDRS/MO. If response is negative, the design activity shall complete the allocated baseline for the needed container and, if the end item hardware is to be delivered under the contract, shall proceed with the design, required test and evaluation, and documentation of the new specialized reuseable container design in time to meet contract obligations.

4.1.5 Positive response from CDRS/MO. When a potentially suitable design(s) is provided by the CDRS/MO, the development activity shall obtain (from the cognizant engineering activity) additional data on the proposed design(s) that may be required, and complete an engineering analysis to the extent necessary to determine the feasibility of using the proposed design(s). If a determination is made that the proposed design(s) is not suitable, the development activity shall justify nonselection of the proposed design to the program office, with a copy to CDRS. The cost analysis shall include consideration of the use of any surplus container assets that may be available. If the development activity is a contractor, the approval of the Procuring Contracting Office shall be obtained prior to initiation of a new container development effort.

4.1.5.1 Advanced development. The design activity shall incorporate candidate designs (including a description of any required modifications) into the development specifications (i.e., in the allocated base line) for the system elements requiring definition by the applicable contract.

4.1.5.2 Engineering development. Where search is initiated during end item engineering development, the design activity shall initiate appropriate action to change the allocated base line. Upon approval of the configuration change, the design activity shall proceed with necessary design, required test, evaluation, and documentation of the container to qualify the container for the new use, to the extent required by the contract, or as required by the contract as it would be changed pursuant to the configuration change action.

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4.1.5.3 Production. Where the search was initiated during end item production (as in seeking a possible existing design useable on a repairable component), the contractor shall initiate appropriate contract modifications to permit use of such existing design. At the discretion of the government, such usage may be directed under the appropriate changes clause in the contract.

4.1.6 Item (Inventory) manager notification. Whenever application of the foregoing procedures produces a potential usage for a container already in the DoD inventory, the design activity (through the Administrative Contracting Officer, if a contractor) shall promptly notify the designated inventory (item) manager of such potential usage, inquire as to actual availability of the containers and request a freeze on disposal of these assets.

4.1.7 Container design agent notification. Where a reuseable container design is to be used for a new or existing end item, the design agent for that container shall be promptly informed to ensure that this usage is properly recorded and to insure adequate configuration management coordination and control in the future. This requirement extends to individual piece parts of the container which are being used as is in the new design and a new drawing is not being made.

4.1.8 Submittal of design data. Upon completion of a new or modified design, including any required testing and documentation, the design activity shall submit design data for incorporation into the CDRS data base.

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5. DETAILED REQUIREMENTS - Not applicable

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6. NOTES

6.1 Intended use. This standard is intended for the use of all DOD activities and DOD contractors requiring specialized reuseable containers to submit a request to CDRS for a search for an existing reuseable container or design prior to initiating a design for a new container. If the CDRS response is negative, the designing activity will furnish CDRS with the new container design as soon as it is approved, in accordance with para 4.1.9.

6.2 Data requirements. When this standard is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved DID (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of the DoD FAR clause on data requirements (currently DoD FAR Supplement 27.475-1) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this standard is cited in the following paragraphs.

<u>Paragraph No.</u>	<u>Data (Item Description)</u>	<u>Applicable DID</u>	<u>Options</u>
4.1.1	Container Design Retrieval System (CDRS) Search Request	DI-PACK-80683	
4.1.8	Container Design Retrieval System (CDRS) Data Input	DI-PACK-80684	

(Data item descriptions (DID) related to this standard, and identified in section 6 will be approved and listed as such in DoD 5010.12-L., AMSDL. Copies of DID required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.)

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6.3 Subject term (key word) listing.

Container
Data
Data item description
Design
Development
Drawings, engineering
Modification
Packaging
Response, negative
Response, positive
Retrieval
Reuseable
Specialized

6.4 Identification of changes. Vertical lines or astericks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

Custodians:

Air Force - 18
Army - SM
Navy - OS

Preparing Activity:

Air Force - 18

(Project No. PACK.-0869)

Review activities:

Air Force - 10, 11, 13, 14, 19, 43, 70, 84, 69
Navy - AS
Army - AR, AV, MI, CR, AT, AL, ME

User interest:

Air Force - 69, 71, 80, 82