

**DEPARTMENT OF THE NAVY**NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

4081
Ser 04L/108
OCT 20 2004

- From: Commander, Naval Sea Systems Command (SEA 04L)
- Subj: SHIPS CONFIGURATION AND LOGISTICS SUPPORT INFORMATION SYSTEM (SCLISIS), PSEUDO REPAIRABLE IDENTIFICATION CODE (X-RIC) GUIDELINES AND USAGE
- Ref: (a) NAVSEAINST 4130.12B, Configuration Management (CM) Policy and Guidance
(b) NAVSEA Technical Specification 9090.700 Series, Ship Configuration and Logistics Support Information System (SCLISIS)
(c) Organizational Maintenance Management System (OMMS) Manual
(d) NAVSEA Technical Specification 9090-1500, Provisioning and Fitting Out Support (PAFOS) Manual
- Encl: (1) X-RIC Implementation Guidance for Establishing and Tracking Non-traditional Configuration Items
(2) X-RIC Request Form
(3) Process Flow Chart

1. Purpose. This letter establishes NAVSEA interim policy for X-RIC development and submission. This policy standardizes X-RIC usage, assignment criteria, and naming conventions within the SCLISIS process and complies with references (a) and (b). Reference (c) provides technical guidance for the initialization and operation of the ship's Organizational Maintenance Management System (OMMS). Certain types of generic X-RICs may need to be assigned to support the requirements outlined in reference (c).

2. Scope. This interim policy covers the assignment of all X-RICS used within the SCLISIS process.

3. Background. The process of configuration and maintenance reporting for Navy ships and shore sites is dependent on the Configuration Data Manager's (CDM's) and In Service Engineering Agent's (ISEA's) ability to adequately describe component, service, and system functions to a level of detail that supports the supply system as well as the Current Ship's Maintenance Plan (CSMP) reporting requirements. In addition to the typical configuration



Subj: SHIPS CONFIGURATION AND LOGISTICS SUPPORT INFORMATION SYSTEM
(SCLISIS), PSEUDO REPAIRABLE IDENTIFICATION CODE (X-RIC)
GUIDELINES AND USAGE

items that are assigned a formal Repairable Identification Code (RIC), there is also a requirement to describe other configuration worthy items (i.e., sub-components, software, unique logical but distinct maintenance significant boundaries) and other items that historically have not qualified to report at the RIC level. Legacy shipboard database systems and the shore support infrastructure allowed reporting and collection of maintenance data associated with jobs that were not linked to a specific configuration item. Although available, this data could not be readily extracted and linked to the proper configuration record due to a lack of standardized structure and guidance. The new shipboard maintenance reporting system is engineered to require reporting of all maintenance actions against a configuration item, with the objective of developing a more disciplined process for retrieving and tracking these maintenance actions.

4. Policy.

a. The intent of this policy is to provide the guidance necessary to ensure that non-traditional configuration items are tracked through the use of generic and specific X-RICs, as appropriate, as delineated and defined in enclosure (1). This policy does not relieve the requirement for development of provisioning in accordance with reference (d). Initially, NAVSEA shall assign a gatekeeper to control the process, exercise discipline and assist in the development of the CDMD-OA X-RIC module. Additionally, the gatekeeper will coordinate CDM, TYCOM and ISEA X-RIC assignment requests, as well as the development and maintenance of performance metrics to track the status and health of the new process.

b. Class tailored X-RIC guidance shall be developed and promulgated in coordination with the individual Ship Program Managers (SPM), TYCOMs and ISEAs. This guidance shall amplify and refine the NAVSEA policy by incorporating class-specific requirements and considerations.

c. X-RIC requests shall be submitted to the gatekeeper via the X-RIC request form, enclosure (2). The gatekeeper shall evaluate each request to ensure that it complies with the NAVSEA/class specific policy, contains all required information,

Subj: SHIPS CONFIGURATION AND LOGISTICS SUPPORT INFORMATION
SYSTEM (SCLISIS), PSEUDO REPAIRABLE IDENTIFICATION CODE (X-
RIC) GUIDELINES AND USAGE

and is not a duplicate of an existing X-RIC or a fully provisioned RIC. When all X-RIC criteria have been met, the gatekeeper will assign an X-RIC, provide it to the requestor and, where applicable, forward it to NAVICP for action.

5. Execution. The gatekeeper function is assigned to SUPSHIP Newport News, Code 1824, and will run for a period of one year from signature of this policy letter. This policy will be executed in accordance with the process flow described in enclosure (3). At the conclusion of the one-year term, NAVSEA will incorporate lessons learned, process improvements and required metrics into an automated gatekeeper function within a CDMD-OA X-RIC module.

6. Point of Contact. Mr. Paul Koester, NAVSEA 04L51, is the NAVSEA technical point of contact for matters regarding this X-RIC policy. He can be reached at (202) 781-2099.



JOHN C. GOODHART
Assistant Deputy Commander
For Fleet Logistics Support

Distribution:

NAVSEA 09, 00B, 01, 01B, 02, 02B, 03, 03B, 04, 04B, 05,
05B, 06, 06B, 07, 07TD, 10, 10B, 00D, 00DB, 00G, 00I, 00IB, 00L,
00LB, 00N, 00NB, 00V, 00Z, 105, 1051
PEO Carriers, IWS, LMW, Ships, SUBS
DPEO Ships
EDPEO Ships

Copy to:
NAVSEA 08

**X-RIC IMPLEMENTATION GUIDANCE FOR ESTABLISHING AND TRACKING
NON-TRADITIONAL CONFIGURATION ITEMS**

1.1 SCOPE. This document provides guidelines for establishing and tracking non-traditional configuration items by defining and registering equipment, components and boundaries through the use of generic and specific X-Repairable Identification Codes (X-RICs). All configuration items that fit the generic X-RIC criteria shall be migrated into the correct generic X-RIC category outlined in section 1.2 of this policy. X-RICs that do not meet the generic X-RIC criteria shall use the specific X-RIC process outlined in sections 1.3 and 1.4. In order to effectively manage the X-RIC assignment process and to successfully achieve the required level of discipline in the NAVSEA X-RIC process, the following definitions for generic and specific X-RIC categories and their usage are provided.

1.2 GENERIC X-RICS. Generic X-RICs identify non-typical configuration items that do not qualify for RIC assignment. The generic X-RIC provides a placeholder in the Ship's Configuration File that enables the Configuration Data Manager to clearly define a complete shipboard top-down breakdown structure and to logically track all maintenance actions against an identifying record. The generic X-RIC will allow for maintenance reporting/tracking of work candidates for components, systems, services and other logically distinct maintenance significant boundaries that require identification in the configuration database, but do not require supply support or any of the other logistics elements that drive the establishment of a formal NAVICP-controlled RIC.

Proper use of the generic X-RIC criteria will reduce the X-RIC population and the total number of X-RICS required, reduce complexity and data redundancies resident in the configuration database repository, improve standardization within the configuration database, more effectively identify the correct links to records in shipboard data systems, and reduce future expenditures of time and money for generating and tracking X-RICS.

The following X-RICs are required to support the ship's Organizational Maintenance Management System (OMMS) initialization and operation in accordance with reference (c). All generic X-RICs will be contained in the master RICNOM file provided by NAVSEALOGCEN and will be available for use to all stakeholders. Each generic X-RIC type is described in detail below with examples of proper usage.

1.2.1 XSERVICE ITEM. XSERVICE ITEM is a generic X-RIC assigned to create a configuration record for reporting/tracking service requests outside of the originating work center. Shipboard personnel shall use this configuration X-RIC to report intermediate, depot level, and temporary service requirements (i.e., crane services, hotel services, etc.). Logistics Support Status Code (LSSC) with a code of "FG" (no piece part impact - configuration only) and Supply Support Requirement Code (SSRC) with a code of "N" (record does not require review).

1.2.2 XCOMPARTMENT. The XCOMPARTMENT is a generic X-RIC assigned to create a configuration record for compartments requiring a maintenance action. XCOMPARTMNT is used to report and track maintenance within a space that cannot be identified to any one specific configuration item or one system within that compartment. This X-RIC configuration record is used for compartments, passageways, trunks, etc.

Shipboard personnel shall use this generic X-RIC for documenting work (i.e., painting, tiling, pressure testing, air quality testing, etc.) within spaces that are not applicable to other RICs. The XCOMPARTMNT configuration records will vary between ship classes and platforms and, sometimes, from ship to ship within a class. However, all compartments/spaces shall use the same X-RIC with the unique defining characteristics populated in the applicable configuration data fields. LSSC with a code of "FG" and SSRC with a code of "N." Typically, this compartment/space data can be derived from a number of existing resources (e.g., damage control location files, damage control label plates, ship's drawings, etc.).

1.2.3 XSYSTEMITEM. The XSYSTEMITEM is a generic X-RIC assigned to create a configuration record for a functional system and to report work performed on multiple configuration items within the boundaries of that system. Shipboard personnel shall use this X-RIC to create a system configuration record for maintenance tasks that involve numerous configurations within the system or subsystem. Examples of usage are performing combat systems grooms, performing propulsion systems testing prior to deployment, etc. LSSC with a code of "FG" and SSRC with a code of "N." If an Allowance Parts List (APL) already exists for the system, the XSYSTEMITEM X-RIC should not be used.

1.2.4 XSOFTWARE. The XSOFTWARE is a generic X-RIC assigned to create a software configuration record to report and track installed software and software versions associated with a system or equipment. The requirement for tracking software was identified and imposed as a

result of Strike Force interoperability. Use this generic X-RIC to report all installed software that does not have a NAVICP APL/RIC or specific XRIC (XSFT00#####) assigned and loaded against the platform. Additionally, this generic X-RIC can be used to track firmware as required. LSSC with a code of "FG" and SSRC with a code "N."

1.2.5 XCONFIGITEM. The XCONFIGITEM is a generic X-RIC used in both a shipboard and shore-site configuration data management environment to describe unique components in a system, subsystem, or group that are integral to the establishment of a logical data structure, but do not qualify for a NAVICP assigned RIC/APL. This X-RIC can be used in conjunction with the XSYSTEMITEM X-RIC for a complete system breakdown. It will never have component characteristics or supply support. If reporting a significant piece of hardware that requires detailed description, the CDM should assign a specific X-RIC that NAVICP-M can review for APL assignment/consideration. This X-RIC is discretionary and shall only be used with the concurrence of the SPM and the TYCOM. LSSC with a code of "FG" and SSRC with a code of "N."

1.2.6 XSUPPORTITEM. The XSUPPORTITEM is a generic X-RIC used in both a shipboard and shore-site configuration data management environment to identify items that are configuration worthy/significant, but receive supply support via the parent equipment (i.e., exists as a line item on an existing APL or Allowance Equipage List (AEL)). This record is provided for informational purposes and will never be used by shipboard personnel to record maintenance actions or for ordering of repair parts. It shall be used to track configuration worthy or significant items that exist as a line item on a parent APL; for example, an item carried under the 89000 series APL or a significant item that is contained on a shopping list APL. In each instance, there shall be an entry in the parent RIC field to provide required direction for obtaining supply support information. This X-RIC is discretionary and shall only be used with the concurrence of the SPM and the TYCOM. LSSC with a code of "FG" and SSRC with a code of "N." Amplifying data may be provided in other fields (e.g., EIN) to identify specific line items on a parent RIC.

1.2.7 XALTERATION. The XALTERATION is a generic X-RIC assigned to track alteration records in the database that are configuration worthy but do not require parts support and have no ALTRIC (Type 4 Record AINAC "XS"). If the CDM is unsure if parts support is required for this alteration, an XTEMP##### specific X-RIC should be assigned. This will be forwarded to NAVICP-M for ALTRIC assignment/consideration. The XALTERATION X-RIC will never have detailed characteristics or supply support. However, it is

recommended that any amplifying information be captured on an associated Type 3 remarks record. This X-RIC is intended for reporting undocumented alterations in CDMD-OA and shall only be forwarded to the shipboard databases with TYCOM approval. LSSC with a code of "FG" and SSRC with a code of "N."

1.2.8 XPLANNEDREC. The XPLANNEDREC is a generic X-RIC assigned to track Configuration Overhaul Planning (COP) data for CNO availabilities. The use of this generic X-RIC is limited to Installing Activity (IA) furnished equipment that has a valid RIC but cannot be identified during the COP process, usually due to the fact that various RICs could be applicable. LSSC with a code of "FG" and SSRC with a code of "N." The XPLANNEDREC should not be used for ELEX or ORD equipment, which requires a valid RIC to be assigned by the ISEA. Those are handled under the specific X-RIC guidelines. This X-RIC is for reporting planning data in CDMD-OA and should not be sent to the shipboard database.

1.2.9 XWHIPITEM. The XWHIPITEM is a generic X-RIC assigned to track waterborne hull inspection points. These configuration records are used to identify specific underwater locations, components, or other items that require periodic inspection, material assessment documentation and maintenance actions (i.e., propellers, anodes, keel, running gear, sea chests, etc.). LSSC with a code of "FG" and SSRC with a code of "N."

1.2.10 XBILGE00000. The XBILGE00000 is a generic X-RIC assigned to track bilge pocket areas. These configuration records are used to support corrosion control and monitoring programs. LSSC with a code of "FG" and SSRC with a code of "N."

1.2.11 XPLENM00000. The XPLENM00000 is a generic X-RIC assigned to track configuration worthy plenums in shipboard ventilation systems. Used for inspection purposes only. LSSC with a code of "FG" and SSRC with a code of "N."

1.3. SPECIFIC X-RICS FOR MAINTENANCE REPORTING. Non-typical configuration items that do not require supply support and are not assigned a NAVICP RIC shall be tracked. The specific X-RIC will provide a placeholder in the ship's Configuration File to track maintenance against those items. It enables maintenance reporting/tracking of work candidates that are associated with one specific item but do not meet the requirements for a formal NAVICP assigned RIC (e.g., XTANK, XBILGE, XCOATING, etc.).

The following TYCOM required X-RICs support specific material assessment tracking and maintenance reporting requirements.

Requirements are class/ship specific and controlled by the cognizant TYCOM. Requests for these X-RICs must be made through the applicable TYCOM and coordinated through the ISEA.

- 1.3.1 XSHPMAS###. A specific X-RIC assigned to track the masts. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.2 XTANK#####. A specific X-RIC assigned to track tanks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.3 XVOID#####. A specific X-RIC assigned to track voids. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.4 XCOATING#####. A specific X-RIC assigned to track coating materials. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.5 XDKWEA#####. A specific X-RIC assigned to track selected weather decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.6 XDKFLIGHT##. A specific X-RIC assigned to track all flight decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.7 XDKHIFR#####. A specific X-RIC assigned to track all Helicopter in-flight Refueling (HIFR) decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.8 XDKHANGAR##. A specific X-RIC assigned to track all hanger decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.9 XDKVEH#####. A specific X-RIC assigned to track all vehicle decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.10 XDKCARGO###. A specific X-RIC assigned to track all non-skid covered cargo hold decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.11 XDKWELL#####. A specific X-RIC assigned to track all well decks. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.12 XDKRAMP#####. A specific X-RIC assigned to track all ramps. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.3.13 XVENT#####. A specific X-RIC assigned to track all vents. LSSC with a code of "FG" and SSRC with a code of "N."
- 1.4 SPECIFIC X-RICS FOR CONFIGURATION REPORTING. Non-typical configuration items that do not require a formal NAVICP RIC for

supply support, but are still considered configuration worthy shall be tracked. This X-RIC is used instead of the "XCONFIGITEM" when there is a desire to capture specific component characteristics information. It enables configuration reporting and tracking during the RIC evaluation and development process.

These X-RICs shall not be used as a substitute for the advanced RIC process. They should only be used when circumstances do not permit a formal APL to be issued.

1.4.1 XSFT#####. This X-RIC is assigned by the cognizant activity to uniquely identify a software item and track installed software and software versions associated with a system or equipment. The requirement for tracking software was identified and imposed as a result of Strike Force interoperability issues. This specific X-RIC is assigned by the designated NAVSEA agent (typically the ISEA or the SSA) to create configuration item records for reporting installed software. Use this X-RIC to report all installed software that does not have an APL assigned. If required, this X-RIC can also be used to track firmware. LSSC with a code of "FG" and SSRC with a code of "N."

1.4.2 XM##### (NIIN). Maintenance Assistance Modules (MAMs) X-RICs are automatically generated by CDMD-OA through the XMAMS module that identifies and tracks MAMs assets as they relate to parent APLs that have been provisioned with MAMs allowances. LSSC with a code of "FG" and SSRC with a code of "N." The associated configuration records are automatically created when an APL containing MAMs allowances is reported as installed. The assignment of these records to a specific hull requires no CDM action. The only updates to these records by the program are SVC Level 3 data items submitted to the CDM. They will only be deleted when the parent configuration record with the APL driving the allowance is deleted. This XMAM program allows the capability to accurately track stock records/inventory by specific location as they relate to MAMs APLs. In all cases, the associated APL driving the MAMs allowance will be populated in the parent RIC field.

1.4.3 XTA#####. This is a specific X-RIC assigned to track temporary alterations and Rapid Deployment, Test & Evaluation (RDT&E) installations. The use of this specific X-RIC is limited to a single record for temporary alterations and RDT&E installations. When an installation matures past temporary status, a standard RIC or specific CDM assigned RIC must be developed. These can be Type 2 or Type 4 records. LSSC with a code of "MD" for local support (type and degree of support for this equipment not decided) and SSRC with a code of "N."

1.4.4 XTEMP#####. This is an X-RIC that is assigned for items that the CDM/ISEA considers to be APL worthy, but for which no APL currently exists. The purpose of this X-RIC is to act as a tracking tool for a specific item during the provisioning and evaluation process. If the item is determined to be APL worthy, a formal NAVICP assigned RIC will be developed and the permanent RIC will supercede the "XTEMP" RIC via CDMD-OA. If the item is determined to be unworthy of an APL, the CDM may cancel the request, apply a generic X-RIC, or re-apply for an XNS series X-RIC. LSSC with a code of "MX" used specifically for X-RICS to denote X-RIC support undetermined (CDM waiting for data from the submitting activity) and SSRC with a code of "R," denoting an X-RIC that requires review.

1.4.5 XNS#####. This type of X-RIC will be used for those items that are determined to be configuration worthy, but not APL worthy (i.e., XTEMP##### items that have been reviewed and rejected as APL worthy). The use of the XNS series RIC will allow the CDM to capture and maintain characteristics data for specific items. This X-RIC is discretionary and may only be used with the concurrence of the SPM and TYCOM. LSSC with a code of "FG" and SSRC with a code of "N."

All highlighted fields are MANDATORY! An XRIC will not be assigned if they are not filled in.

XRIC REQUEST FORM

Date:

Originator:

Location:

Type of XRIC Requested:

APL support required: Generic support required: Specific support required:

The XRIC is to be used on a:

Configuration Record (Type 2): Alteration Record (Type 4):

If Alteration Record was selected, the Alteration Type is: Alteration Number is:

XRIC ASSIGNMENT

Specific Maintenance Required XRIC's

<input type="checkbox"/> XSHPMAST _____	<input type="checkbox"/> XTANK _____	<input type="checkbox"/> XVOID _____	<input type="checkbox"/> XCOATING _____
<input type="checkbox"/> XDKWEA _____	<input type="checkbox"/> XDKFLIGHT _____	<input type="checkbox"/> XDKHIFR _____	<input type="checkbox"/> XDKHANGAR _____
<input type="checkbox"/> XDKVEH _____	<input type="checkbox"/> XDKCARGO _____	<input type="checkbox"/> XDKWELL _____	<input type="checkbox"/> XDKRAMP _____
<input type="checkbox"/> XVENT _____			

Specific Configuration Required XRIC's

<input type="checkbox"/> XSFT _____	<input type="checkbox"/> XTA _____	<input type="checkbox"/> XTEMP _____	<input type="checkbox"/> XNS _____
-------------------------------------	------------------------------------	--------------------------------------	------------------------------------

Nomenclature:

National Stock Number:

Manufacturer (CAGEC/FSCM):

EIN:

Manufacturer Drawing Number:

Manufacturer ID:

Manufacturer Name:

Equipment Spec:

NAVCOM Plan Number:

Manufacturer:

Address:

Phone Number:

EIC: SAC:

Alteration Information:

PDCN:

SOFTWARE REQUIRED INFORMATION

Type:

SSA (E-Mail, NAME & Phone No.):

P/N: SSA Activity:

SSA TPOC:

ISEA(E-Mail, NAME & Phone No.):

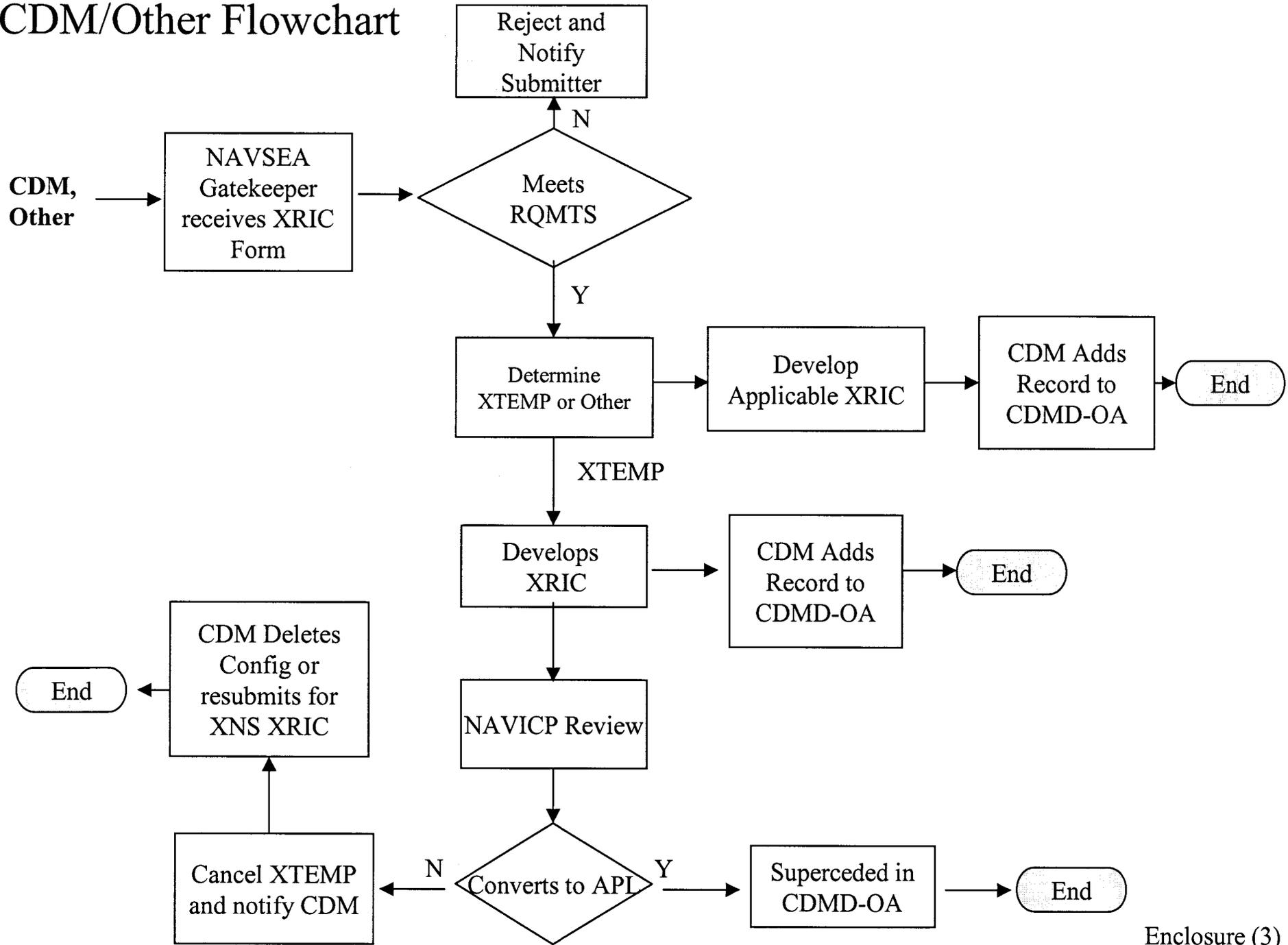
Remarks:

Cancellation Request

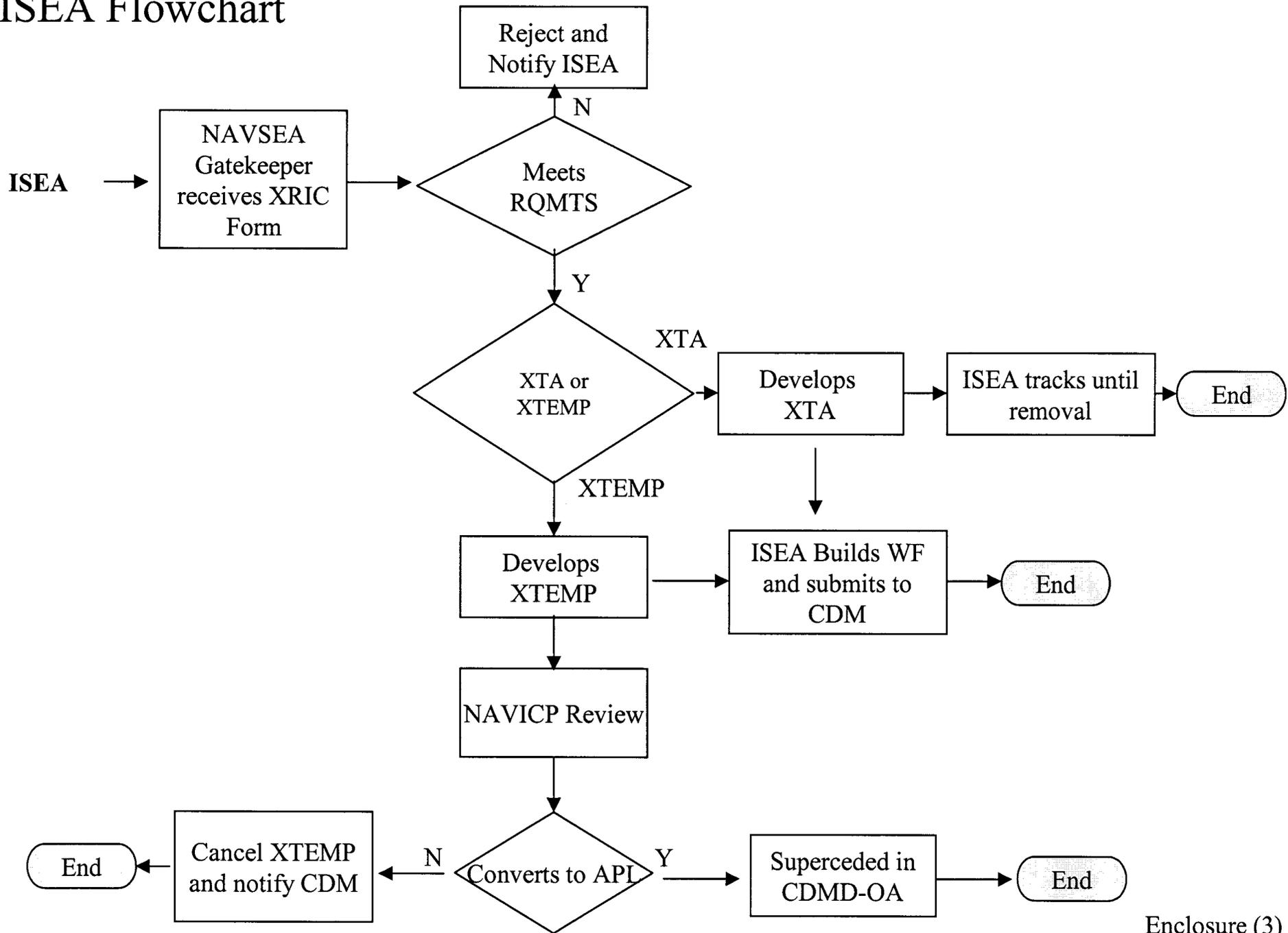
Date: Cancellation requested by:

Reason:

CDM/Other Flowchart



ISEA Flowchart



Software Flowchart

