

TELEFAX MESSAGE

THORN SECURITY

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Company: NRC

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Attention: Floyd DesChamps

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Subject: NRC registration of MF312 Ion Chamber Detectors

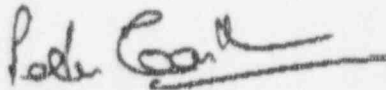
We are under great pressure to introduce these detectors into the market place and the NRC registration is in the critical path for this activity.

As you are probably aware UL will not grant listing until we have your Licence.

May we ask you to do everything you can to complete your assignment on this product so that the launch of these detectors will not be held.

Many thanks for your co-operation in this matter. If there are any outstanding actions by us, please let us know directly.

Very best regards



Signature:

Total No. of Pages : 1

NRC FILE CENTER COPY

8/9/90

Dear Sir:

Enclosed are the TASI Incoming Inspection procedures you requested from Mr. Martinis. Please contact me if you require any further information at (216) 871-9900 Ext. 214.

Thom Automated Systems, Inc
David L. Megraw
Quality Assurance Manager



QUALITY PROCEDURE

Approved <i>Joseph Munte</i>	Effective Date 06/11/90	Number 6.1.6
	Page 1 of 2	Revision ---

SUBJECT: REC. INSP. PROCEDURE FOR IONIZATION CHAMBER SMOKE DETECTORS

1.0 PURPOSE:

1.1 TO ESTABLISH THE METHOD FOR CONTROLLING THE RECEIPT AND INSPECTION OF IONIZATION CHAMBER SMOKE DETECTORS.

2.0 APPLICATION:

2.1 APPLIES TO ALL IONIZATION CHAMBER SMOKE DETECTORS RECEIVED AT THORN.

3.0 PROCEDURE:

3.1 THE RECEIVING INSPECTION DEPARTMENT SHALL BE RESPONSIBLE FOR PERFORMING THE REQUIRED INSPECTION OPERATIONS, ACCEPTING OR REJECTING ARTICLES, AS REQUIRED, AND FOR DOCUMENTING AND MAINTAINING RECORDS OF INSPECTION RESULTS.

4.0 RESPONSIBILITIES:

4.1 PURCHASED ARTICLES SHALL BE MOVED TO THE RECEIVING INSPECTION AREA AFTER RECEIPT AND IDENTIFICATION BY RECEIVING CLERK.

4.2 UPON RECEIVAL OF A RECEIVING TICKET FROM THE RECEIVING CLERK, IT WILL BE THE RESPONSIBILITY OF THE RECEIVING INSPECTION INSPECTOR TO:

- (1) PULL THE INSPECTION HISTORY FILE OR ORIGINATE A NEW FILE IF PART IS FIRST RECEIVAL.
- (2) MATCH RECEIVING TICKET TO AVAILABLE B/P OR SPEC. SHEET IN RECEIVING INSPECTION FILE.
- (3) CHECK FIRST PIECE OF THE ARTICLE 100% FOR ALL CHARACTERISTICS UNLESS TOLD TO DO OTHERWISE BY A Q.A. SUPERVISOR.
- (4) CARTONS DAMAGED IN SHIPMENT MUST BE WIPE TESTED AND DETECTORS INSPECTED FOR PHYSICAL DAMAGE.
- (5) MARK THE INSPECTION HISTORY RECORD WITH ALL APPLICABLE INFORMATION.
- (6) MOVE MATERIAL TO APPROPRIATE OUT AREA IF MATERIAL IS ACCEPTED, AND TAG REJECTED MATERIAL WITH PROPERLY COMPLETED REJECT TAG AND MOVE REJECTED MATERIAL TO REJECT AREA FOR MRB DISPOSITION.

SUBJECT:

REC. INSP. PROCEDURE FOR IONIZATION CHAMBER
SMOKE DETECTORS

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Revision

4.3 REVIEW OF REJECTED MATERIAL

- (1) RECEIVING INSPECTION SUPERVISOR WILL REVIEW THE REJECTED ARTICLES TO VERIFY THAT ITEMS ARE INDEED DAMAGED OR CONTRARY TO SPECS.
- (2) RECEIVING INSPECTION SUPERVISOR WILL CONVENE MRB BOARD TO REVIEW DISCREPANT MATERIAL.
- (3) DISCREPANT MATERIAL WILL BE RETURNED TO MANUFACTURER FOR DISPOSAL AND REPLACEMENT.

QUALITY INSTRUCTION NO. 120

REV.

TITLE: RECEIVING INSPECTION	ORIGINAL RELEASE DATE: 2/1/87	DATE OF REVISION:	PAGE 1 OF 3 PAGES
ACKNOWLEDGED:	APPROVED: <i>William H. Claborn</i> MANAGER, QUALITY ENGINEERING		

1.0 INTRODUCTION

1.1 Scope

This document has been prepared to provide detailed instructions for controlling the receipt and inspection of purchased articles and services.

1.2 Application

The requirements contained herein are applicable to all articles and services purchased by TASI which are ultimately deliverable to TASI customers. Specifically excluded from the controls defined in this document are purchased tools, gages, fixtures, templates, jigs, machine tools, standard supplies, and similar articles not normally deliverable to TASI customers.

2.0 ASSOCIATED DOCUMENTS

2.1 Applicable Documents

DOD Quality Program Requirements

2.2 Reference Documents

TASI Q.I. 110
Statistical Acceptance Sampling

TASI Q.I. 108
Instructions for Completing Failure and Rejection Report
Form F-3807

3.0 REQUIREMENTS

3.1 Responsibility

3.1.1 Quality Engineering - The Quality Engineering section shall be responsible for planning and auditing the requirements of this document and for identifying and providing for any unique customer requirements affecting the controls maintained in the Receiving Inspection Area. In addition, Quality Engineering shall be responsible for preparing, issuing, and controlling detailed inspection instructions for each purchased article or service.

QUALITY INSTRUCTION NO. 120 REV.

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ACKNOWLEDGED:	APPROVED: <i>William Chubb</i> MANAGER, QUALITY ENGINEERING		

3.3.2 Receiving Inspection - The Receiving Inspection section shall be responsible for performing the required inspection operations, accepting or rejecting articles as required, and for documenting and maintaining records of inspection results.

3.2 System

3.2.1 Purchased articles shall be moved to the Receiving Inspection Area after receipt and identification by the Receiving Clerk.

3.2.2 All purchased articles awaiting inspection shall be separated from accepted articles and shall be identified as awaiting inspection.

3.2.3 Prior to the starting of the actual inspection operation, the Inspector shall verify that definitive inspection instructions have been provided and are available.

These instructions, for purposes of this document, shall include as a minimum:

- a) The required engineering drawing (and when necessary, supporting specifications, operation sheets, etc.)
- b) A copy of the applicable TASI Purchase Order
- c) The detailed inspection planning instructions

The revision status (letter change) of these documents shall be reviewed, and if not in agreement, shall be reported to the Inspection Supervisor. No further inspection shall be accomplished unless the required inspection instructions are available.

3.2.4 The vendor supplied data (test reports, certificates of conformance, certified test data, processing certificates, etc.) requested by the coded quality requirements of the purchase order (reference Q.I. 104) shall be reviewed for accuracy and completeness. If the required data package is not completed, this situation shall be reported to the Inspection Supervisor. The decision to complete or terminate the inspection operation at this time is reserved to the Inspection Supervisor, but in any case, the article(s) may not be accepted or forwarded for further processing until the required data has been received and reviewed by Receiving Inspection.

QUALITY INSTRUCTION NO. 120 EV.

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ACKNOWLEDGED:	APPROVED: <i>[Signature]</i> MANAGER, QUALITY ENGINEERING		

- 3.2.5 The actual inspection (or bench test) of purchased article(s) shall be accomplished as directed by the specific instructions, using only calibrated instrumentation.
- 3.2.6 Specific instructions for the recording of inspection results are contained in TASI Quality Instructions (Q.I.) 110.
- 3.2.7 Acceptable completed articles shall be forwarded to Stores. The authority for such movement shall be indicated by appropriate Inspection Department completion of a "TO STOCK TAG", Form P2398.
- 3.2.8 Acceptable articles which are to be subjected to further processing operations shall be forwarded to the respective processing or manufacturing area.
- 3.2.9 Articles requiring further inspection or testing by other departments (functional testing, non-destructive testing, laboratory verifications, etc.) shall be forwarded to the respective department assigned this responsibility and shall be routed for return to the Receiving Inspection Department after the completion of testing operations. Upon return of the article(s) and the required test or laboratory reports to the Receiving Inspection Area, the test reports shall be reviewed and shall become part of the inspection record package.
- 3.2.10 Articles rejected during inspection or test or which are not in complete conformance with the requirements of this document shall be identified as discrepant, separated from acceptable articles or those awaiting inspection, and be subjected to Preliminary Material Review Action. Specific instructions for the handling of rejected material are contained in TASI Quality Instruction 108.

3.3 Records

- 3.3.1 Documented evidence of inspections performed shall be maintained in the Receiving Inspection Area for a minimum of one (1) year from the date of last entry.