



JOB QUALIFICATION REQUIREMENTS (JQR)

FOR

AIM-9 L/M, NATM-9L/M, CATM-9M and DATM-9L-1

SIDEWINDER GUIDED MISSILE

NAME (RATE/RANK)_____

MENTOR NAME (RATE/RANK)_____

TABLE OF CONTENTS

SECTION	PAGE
Introduction	3
Summary of Changes	4
AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Fundamentals (100 Section)	5
AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Systems (200 Section)	8
AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Evolution (300 Section)	11
Qualification Progress Chart Summary	36
Feedback Information	38

INTRODUCTION

The purpose of this JQR is to ensure personnel are familiar with and capable of performing Sidewinder Guided Missile AIM-9 L/M, NATM-9L/M, CATM-9M, DATM-9L-1 and component maintenance functions in accordance with applicable technical documentation. This JQR contains information regarding safety, missile systems and maintenance duties. This JQR was developed to provide reliable, proactive guidance pertaining to the safe, effective, and successful functional testing and maintenance of the Sidewinder Guided Missile AIM-9 L/M, training missile and components.

NAVAIR PMA205 issues this Job Qualification Requirements (JQR). The functions are a culmination of information gathered from a Task Analysis (TA) and Master Task List (MTL) that will standardize the knowledge/skills methodology across the AIM-9L/M spectrum.

The JQR was developed to provide reliable, proactive guidance pertaining to the safe, efficient, and successful qualification for maintainers of the AIM-9L/M. This guide prescribes the minimum training and qualifications required for AIM-9L/M maintenance personnel.

This JQRs shall be tailored as required to ensure AIM-9L/M maintenance personnel utilize this tools to the maximum extent possible.

SUMMARY OF CHANGES

[illegible]

AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 FUNDAMENTALS (100 Section)

The purpose of this section is to ensure personnel are familiar with safety and general specifications of the AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Sidewinder Guided Missile.

PREREQUISITES:

Completion of AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Sidewinder Guided Missile Computer-Based Training (CBT).

(Signature) (Date)

REFERENCES:

NAVAIR 01-AIM9L/M-2.1
NAVAIR 16-35TS4174-1

TASKS:

101: Safety

101.1 Identify the Technical Publication and Section dealing with Cookoff times and evacuation distances.

(Signature) (Date)

101.2 State the general safety precautions concerning the Sidewinder Guided Missile (All Models).

(Signature) (Date)

101.3 State the All-Up Round and Missile Components drop criteria.

(Signature) (Date)

101.4 State the Hazardous Material Warnings associated with the Sidewinder Guided Missile (All Models) found in NAVAIR 01-AIM9L/M-2.1.

(Signature) (Date)

102: General Specifications

102.1 State the primary function of the Sidewinder Guided Missile (All Models).

(Signature) (Date)

102.2 Specify the dimensions of the Sidewinder Guided Missile in terms of length, height, weight, wingspan and diameter.

(Signature)

(Date)

102.3 State the five (5) components that comprise the Sidewinder Guided Missile.

(Signature)

(Date)

103: Test Sets

103.1 Identify the Test Sets used to perform testing on the Sidewinder Guided Missile.

(Signature)

(Date)

104: Missile Logbooks

104.1 Identify when missile logbook entries are required.

(Signature)

(Date)

AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 SYSTEMS (200 Section)

The purpose of this section is to ensure that personnel are familiar with the AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Sidewinder Guided Missile Systems.

PREREQUISITES:

Completion of 100 Section of this JQR.

(Signature) (Date)

REFERENCES:

NAVAIR 01-AIM9L/M-2.1
NAVAIR 16-35TS4174-1

TASKS:

201: Sidewinder Guided Missile Components

201.1: Guidance Control Section

201.1.1 State the purpose of the Guidance Control Section.

(Signature) (Date)

201.1.2 State the purpose of the Guidance Control Section inspection and test criteria.

(Signature) (Date)

201.1.3 State the type of testing performed on the Guidance Control Section.

(Signature) (Date)

201.2: Target Detector

201.2.1 State the purpose of the Target Detector.

(Signature) (Date)

201.2.2 State the purpose of the Target Detector Section inspection and test criteria.

(Signature) (Date)

201.2.3 State the type of testing performed on the Target Detector.

(Signature) (Date)

201.3: Safe Arming Device

201.3.1 State the purpose of the Safe Arming Device.

(Signature) (Date)

201.3.2 State the purpose of the Safe Arming Device inspection.

(Signature) (Date)

201.4: Tactical Warhead

201.4.1 State the purpose of the Tactical Warhead.

(Signature) (Date)

201.4.2 State the purpose of the Tactical Warhead inspection.

(Signature) (Date)

201.5: Rocket Motor

201.5.1 State the purpose of the Rocket Motor.

(Signature) (Date)

201.5.2 State the purpose of the Rocket Motor inspection and test criteria.

(Signature) (Date)

201.5.3 State the type of testing performed on the Rocket Motor.

(Signature) (Date)

201.6: Wings MK-1 Mods 2/5 and BSU-32/B Fins

201.6.1 State the purpose of the Wings MK-1 Mods 2/5 and BSU-32/B Fins.

(Signature) (Date)

201.6.2 State the purpose of the Wings MK-1 Mods 2/5 and BSU-32/B Fins inspection and test criteria.

(Signature) (Date)

201.6.3 State the type of testing performed on the Wings MK-1 Mods 2/5 and BSU-32/B Fins.

(Signature) (Date)

201.7 Telemetry Section

201.7.1 State the purpose of the Telemetry Section.

(Signature) (Date)

201.7.2 State the purpose of the Telemetry Section inspection areas.

(Signature) (Date)

202: Test Sets

202.1 State the purpose of the Igniter Circuit Tester 101-5CFG.

(Signature) (Date)

202.2 State the purpose of the Guidance Control Section Test Set, AN/DSM-152A.

(Signature) (Date)

202.3 State the purpose of the Guidance Control Section Test Set, AN/DSM-152B.

(Signature)

(Date)

202.4 State the purpose of the Target Detector Test Set, AN/DSM-132-A.

(Signature)

(Date)

202.5 State the purpose of the Electrical Circuit Guided Missile Test Set, AN/DSM-98(V).

(Signature)

(Date)

AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 EVOLUTION (300 Section)

The purpose of this section is to ensure that personnel are familiar with and can perform AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 Sidewinder Guided Missile Systems unpacking, inspection, maintenance, testing, disassembly, assembly, and packaging procedures.

PREREQUISITES:

Completion of 100 and 200 Sections of this JQR.

 (Signature)

 (Date)

REFERENCES:

NAVAIR 01-AIM9L/M-2.1
NAVAIR 16-35TS4174-1

TASKS:

301: All-Up Round AIM-9L/M

301.1 Perform receiving procedures on the All-Up Round AIM-9L/M.

 (Signature)

 (Date)

 (Signature)

 (Date)

 (Signature)

 (Date)

301.2 Perform inspection procedures on the All-Up Round AIM-9L/M.

 (Signature)

 (Date)

 (Signature)

 (Date)

 (Signature)

 (Date)

301.3 Perform the general maintenance requirements on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.4 Perform disassembly procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.5 Perform Forward Hanger Inspection/Test procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.6 Perform SAFE-ARM Test Rocket Motor Mk 36 Mods 8/9/10/11 on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.7 Perform assembly procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.8 Perform packaging procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.9 Perform palletizing procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

301.10 Perform storage procedures on the All-Up Round AIM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302: NATM-9L/M

302.1 Perform receiving procedures on the NATM-9L/M.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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302.2 Perform inspection procedures on the NATM-9L/M.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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302.3 Perform general maintenance requirements of the NATM-9L/M.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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302.4 Perform disassembly procedures on the NATM-9L/M.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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302.5 Perform Forward Hanger Inspection/Test procedures on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302.6 Perform SAFE-ARM Test Rocket Motor Mk 36 Mods 8/9/10/11 on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302.7 Perform assembly procedures on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302.8 Perform packaging procedures on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302.9 Perform palletizing procedures on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

302.10 Perform storing procedures on the NATM-9L/M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303: Guidance Control Section

303.1 Perform receiving procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.2 Perform unpacking procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.3 Perform inspection procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.4 Perform pretest procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.5 Perform posttest procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.6 Perform packaging procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.7 Perform AN/DSM-152A Testing on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.8 Perform AN/DSM-152B Testing on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.9 Perform Guidance Control Section Squib Resistance Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.10 Perform Igniter Circuit Tester 101-5CFG Self-Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.11 Perform Umbilical Moisture Sealing Cap Resistance Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

303.12 Perform the general maintenance procedures on the Guidance Control Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

304: Target Detector

304.1 Perform receiving procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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304.2 Perform unpacking procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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304.3 Perform inspection procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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304.4 Perform packaging procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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304.5 Perform testing procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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304.6 Perform the general maintenance procedures on the Target Detector.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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305 Safe Arming Device

305.1 Perform receiving procedures on the Safe Arming Device.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

305.2 Perform unpacking procedures on the Safe Arming Device.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

305.3 Perform inspection procedures on the Safe Arming Device.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

305.4 Perform packaging procedures on the Safe Arming Device.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

305.5 Perform the general maintenance procedures on the Safe Arming Device.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

306: Tactical Warhead

306.1 Perform receiving procedures on the Tactical Warhead.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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306.2 Perform unpacking procedures on the Tactical Warhead.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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306.3 Perform inspection procedures on the Tactical Warhead.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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306.4 Perform packaging procedures on the Tactical Warhead.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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306.5 Perform the general maintenance procedures on the Tactical Warhead.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307: Rocket Motor

307.1 Perform unpacking procedures on the Rocket Motor.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.2 Perform inspection procedures on the Rocket Motor.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.3 Perform packaging procedures on the Rocket Motor.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.4 Perform Hanger Alignment Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.5 Perform Igniter Circuit Daily Self-Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.6 Perform Igniter Squib Test on Rocket Motor MK36 Mod 7.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.7 Perform Initiator Test on Rocket Motor MK36 Mod 8/9/10/11.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.8 Perform Rocket Motor MK36 Mod 7 Firing Circuit Readiness Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.9 Perform the Rocket Motor Pressure Test.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

307.10 Perform the general maintenance procedures on the Rocket Motor.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

308: Wings MK-1 Mods 2/5 and BSU-32/B Fins

308.1 Perform unpacking procedures on the Wings MK-1 Mods 2/5 and BSU-32/B Fins.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

308.2 Perform inspection procedures on the Wings MK-1 Mods 2/5 and BSU-32/B Fins.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

308.3 Perform Wing Functional Test procedures on the Wings MK-1 Mods 2/5.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

308.4 Perform Wing Cager Function Test procedures on the Wings MK-1 Mods 2/5.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

308.5 Perform packaging procedures on the Wings MK-1 Mod 2/5 and BSU-32/B Fins.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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308.6 Perform the general maintenance procedures on the Wings MK-1 Mod 2/5 and BSU-32/B Fins.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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309: CATM-9M

309.1 Perform unpacking procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.2 Perform inspection procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.3 Perform disassembly procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.4 Perform Safe-Arm Selector Assembly Spring Pin Test/Replacement procedures on the CATM-9M. (MDU-27A/A Dummy Assembly Body Section and MK-57 MOD 3 Inert Rocket Motor only)

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.5 Perform Forward Hanger Inspection/Test procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.6 Perform Forward Hanger Alignment Test procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.7 Perform Safe and Arm Test procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.8 Perform assembly procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.9 Perform packaging procedures on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

309.10 Perform the general maintenance requirements on the CATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310: DATM-9L-1

310.1 Perform unpacking procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.2 Perform inspection procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.3 Perform disassembly procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.4 Perform Safe-Arm Selector Assembly Spring Pin Test/Replacement procedures on the DATM-9L-1. (MK-57 MOD 3 Inert Rocket Motor only)

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.5 Perform Forward Hanger Inspection/Test procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.6 Perform Forward Hanger Alignment Test procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.7 Perform Safe and Arm Test procedures on the DATM-9M.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.8 Perform assembly procedures on the DATM-9L-1.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

310.9 Perform packaging procedures on the DATM-9L-1.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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310.10 Perform the general maintenance requirements on the DATM-9L-1.

_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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_____ (Signature)	_____ (Date)
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311: Telemetry Section

311.1 Perform receiving procedures on the Telemetry Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

311.2 Perform unpacking procedures on the Telemetry Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

311.3 Perform inspection procedures on the Telemetry Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

311.4 Perform the general maintenance procedures on the Telemetry Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

311.5 Perform packaging procedures on the Telemetry Section.

(Signature) (Date)

(Signature) (Date)

(Signature) (Date)

QUALIFICATION PROGRESS CHART SUMMARY

AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 QUALIFICATION RECORD

Having observed (Name/Rate/Rank) _____ performing, and given oral examination of, the tasks listed in this JQR and found his/her performance satisfactory. It is recommended that the above named be designated qualified as AIM-9L/M, NATM-9L/M, CATM-9M and DATM-9L-1 missile maintenance personnel.

RECOMMENDED _____ DATE _____
(Division Officer/Chief/Government or Contractor Representative)

DESIGNATED _____ DATE _____
(Board Chairman)

APPROVED _____ DATE _____
(Officer In Charge/Government or Contractor Representative)

RETURN TO TRAINING _____ DATE _____
(ATSO/Government or Contractor Representative)

FEEDBACK INFORMATION

CONTACT INFORMATION

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FAX: (301) 757-8079

E-Mail: David.Rivera1@navy.mil