***AIRCRAFT TESTING RESPONSIBILITIES***

I. INTRODUCTION

A. Scope

This document states the aircraft testing responsibilities according to specific task and department at Point Mugu Operations.

B. Application

This procedure applies to aircraft testing at Point Mugu, California.

C. Responsibilities

- Engineering Department

- Flight Test Department

- Manufacturing

- Quality Control

D. Definitions

 - A/C ‑ Aircraft

 - ACCB ‑ Aircraft Configuration Change Board

 - ENG 'G ‑ Engineering

 - FLT TST ‑ Flight Test

 - MFG ‑ Manufacturing

 - MOD ‑ Modification

 - PMTC ‑ Pacific Missile Test Center

 - SITS ‑ System Integration Test Station

 - SOF ‑ Safety of Flight

 - WRA ‑ Weapon Replaceable Assemblies

II. GENERAL PROCEDURE

A. Background

The Pacific Missile Test Center (PMTC) at Pt. Mugu, California is a test facility for F‑14 aircraft and operational flight software. F‑14 Navy aircraft are available for ground and

flight testing at PMTC throughout the year depending on aircraft maintenance and test schedules. Aircraft testing responsibilities, which are divided among the Engineering, Manufacturing, Flight Test and Quality Control departments are outlined in [company document]

B. Task Breakdown

-Aircraft Scheduling

This task is performed by the Flight Test department in coordination with Navy personnel at PMTC. Aircraft requests are submitted to the Navy along with any special support utility or range assets required. Flight test personnel, in coordination with the Navy, schedule aircraft test dates and inform the user of aircraft availability.

- ACCB Modification Functional Procedures

The procedures are drafted by the Engineering department if an addition or modification is made to the aircraft. These procedures include step by step instructions that test the

operation of the modification as an individual unit as well as its impact on the total system operation.

- ACCB Modification Installation and Checkout

Modification is performed by the Manufacturing department and functionally verified as operational. Quality control witnesses a formal functional checkout and verifies that the

modification conforms to the approved test procedure.

- Aircraft Developmental and Integration Test

Flight Test schedules the aircraft and necessary support equipment. Engineering performs test on new software or hardware function with the support of Flight Test, Manufacturing and Quality Control as needed.

- Aircraft Safety of Flight Tests

Flight Test schedules the aircraft and engineering executes the test. Testing is performed on the aircraft by certified Engineering personnel on software development tapes and

existing baseline tapes prior to flight testing.

- Aircraft Preflight Ground Test

Engineering or Flight Test, in order to test out a desired software change or modification will conduct tests and analyze results. If Engineering requests a ground test, they will be the designated responsible department. Otherwise, Flight Test will be the responsible department.

In all cases, Flight Test will request assignment of a properly configured aircraft.

- Aircraft Test Flight

Flight Test schedules aircraft and prepares flight cards. Flight Test schedules and conducts an operational and technical brief and debrief with Engineering support as required. Engineering will assist with real‑time in‑flight problem resolution through the flight following communications link.