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GOVERNMENT PRELIMINARY INSPECTION TEST PLAN 2

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1. GENERAL

Purpose. The purpose of Government Preliminary Inspection is to determine that the _____, as developed and manufactured by _____, satisfies the requirements of contractual documents sufficiently to permit system shipment to the site. It is explicit in the contractual documents that the system simulate _____ design basis _____. Final testing will be conducted after the installation is completed at _____. The preliminary tests are to ensure compliance of the system with the contract requirements. The system will not be shipped to the site with any deficiencies which preclude full utilization of the system.

These tests are a combined government/contractor effort to assure a contractually compliant system suitable for fleet training. Each member is important to the success of testing, and maximum information exchange between government and contractor team members is encouraged. Any differences between government and contractor team members will be resolved through the government and contractor test directors.

The basic test program should be accomplished in a six-week period with the government's right to extend that period if necessary due to system deficiencies. The test program will consist of two phases. Phase I will be Defense Contractor Management Administrative Office (DCMAO) and Government Project Engineer Certification that all in-scope deficiencies generated in previous tests and evaluations have been rectified. Phase II will consist of a Quality Control (QC) Inspection inventory, diagnostics and System Test Procedures and Results Report (STPRR) tests. Phase I will be completed before proceeding to Phase II.

NAWCTSD. The NAWCTSD, as the contracting agency, has the final responsibility regarding the acceptability of Device _____. The NAWCTSD Project Engineer (PE) is the authorized representative of the Contracting Officer and will be the government test director. Any interpretation of intent of the NAWCTSD Specification _____ and other contractual documents must be made by this representative. Any actions or deficiencies generated during these tests shall be brought to the attention of this representative and sufficient information shall be recorded to permit ease of review and check off at a later date. The PE will review all test results daily and conduct all meetings between the contractor and the government. Any deviations from this test plan or decisions to suspend testing pending correction of deficiencies will be the sole responsibility of the PE. These decisions will include inputs from all team members. The PE will monitor as much of the testing as feasible. When not present, the PE will designate a stand-in to act in his absence.

Senior Member of the Fleet Project Team (SMFPT). Final on-site determination that the system is ready for training is the responsibility of the SMFPT and he/she will have the major input on related decisions made during this preliminary test. The SMFPT and PE will be responsible for the daily activity and assignment of all FPT members. Any dispute among the government FPT personnel will be decided by the SMFPT for aircraft operational performance and like matters. Final authority on disputes between the government and the contractor rests with the PE as the authorized representative of the Contracting Officer.

Fleet Project Team. The FPT will operate the system during Phase II to evaluate the system's performance.

The contractor is solely responsible for the satisfactory performance of the device and for correction of any deficiencies noted (if within the scope of the contract).

The contractor shall furnish all special equipment required to obtain necessary test data. Examples of these equipments are oscillographs, force measuring equipment, recorders, and computer test and

diagnostic programs. In addition to test and operating personnel, the contractor shall have systems engineering personnel available for consultation as needed. The contractor shall furnish adequate "office space."

The contractor shall furnish clerical and other necessary support to type all recorded deficiencies as soon as possible. The contractor shall ensure that all applicable DR blocks are completed, and that the DR sign-offs contain sufficient detailed information to be clearly understood. The contractor will correct all deficiencies as quickly as possible to permit the items to be rechecked by the team at the earliest possible date.

Requirements for Initiation of Government Testing

The contractor shall perform complete functional tests of the system that will be witnessed and certified by the in-plant Defense Contract Management Administrative Office (DCMAO) QC representatives. Any pertinent deficiencies found during these tests shall be corrected by the contractor prior to the initiation of preliminary inspection tests by the government.

Prior to commencement of government tests, system configuration must have been verified to be 100 percent complete and correct by NAWCTSD and DCMAO personnel. This includes all hardware (including peripheral equipment). All software required to operate the system must be verified as properly configured, documented, and functional. The system configuration must be 100 percent complete and correct including all non-functional panels.

When all of the above have been completed and certified by the Government Test Director and the cognizant DCMAO representative, the government team will commence in-plant testing. The FPT and support activities will be present throughout the testing period as funds allow.

TEST SCHEDULE

The following will be the progression of testing to be used during government in-plant testing. The PE may change the test schedule depending on the availability of government personnel.

The first day of full government test (Phase II) will be devoted to a thorough physical inspection of the system by the FPT to ensure compliance with the NAWCTSD specification. Additionally, all diagnostics will be run to ensure all equipment is up and available.

Following the physical inspection of the system and the System Test Procedures and Results Report (STPRR), the testing will commence. Every STPRR test will be conducted.

During system testing, the FPT will be divided initially into two teams by the PE. The first will consist of the FPT pilots and other personnel, and the second will be government maintenance personnel. Each team will work an eight hour shift commencing with Team 1 at 0730 to 1530; Team 2 at 1530 to 2330. The time not used by the FPT allows the contractor time to correct deficiencies.

The reliability demonstration will commence following the successful completion of tests. The Reliability Demonstration will follow the format of the approved reliability test plan.

TEST DOCUMENTATION AND DOCUMENTATION SUPPORT

Two complete sets of documentation must be available during government tests (one copy for each team). This includes, but is not limited to, the following:

STPRR

Final System Criteria Report

Final System Configuration Report

Applicable Manual(s)

All documentation referenced by the system

A test log of all tests attempted and the results of those tests will be kept by the FPT. The test log will contain any additional information that will facilitate turnover between the two shifts.

Test Deficiency Reports (DRs) will be written on the official DR form, and shall include all deficiencies noted during testing, including system errors. Each deficiency will be recorded on its own page, giving sufficient information and detail to avoid any misunderstanding by contractor engineers. In the course of their investigation and correction of the deficiency, the contractor shall complete the remaining applicable blocks on the form, giving a complete description of the findings and the necessary action required to correct the problem. Wiring diagrams or schematics (or other documents) used in the investigation shall be referenced. The contractor shall correct all deficiencies during off-test periods, and a listing of corrected deficiencies shall be available at the system by 0730 each morning. Corrected deficiencies will be rechecked during a mutually agreed upon time.

DRs will be categorized as follows:

Termination: A terminating deficiency precludes further testing of the system and must be corrected and validated prior to recommencement of testing.

Major: A major deficiency is not alone enough to preclude further testing; however, cumulative major DRs may be sufficient cause for cessation of testing (until DRs are corrected). Major DRs will be corrected and validated prior to shipment.

Minor: DRs of a cosmetic nature only will be classified as minor.

The determination of the categorization of DRs will be the responsibility of the FPT and the PE and will be made at the government-only debriefs as the deficiencies are written.

Original DR forms will be completed (as per the form) with the corrective action taken and validation indicated on the form. The PE and the contractor will ensure that these forms are correctly completed and readily available for government team review.

A log book (in addition to the test log) of all deficiencies written will be kept by the PE. This log book will contain the DR number, subject, and status. The log book will facilitate the numbering of DRs and will provide an up-to-date quick look reference at the status of DRs.

GROUND RULES

The following ground rules will apply to all phases of government testing:

The FPT will retest all corrected deficiencies during a mutually agreed upon time. Repetitive testing will be done as required to ensure valid DR correction. Subjective areas of system operation will require redundant testing if deficiencies are noted.

During government-only briefing/debriefing sessions, a go/no-go decision on the continuation of testing will be made by the PE based upon FPT inputs concerning DRs outstanding.

If the system goes down, it will be turned over to the contractor and the FPT will leave the test site, unless the contractor estimates that the failure can be corrected within 30 minutes.

There will be no "test arounds." If a terminating deficiency is outstanding, or if any of the system hardware is not operating, testing will cease until the problem has been corrected.

The Government Test Plan will be strictly adhered to with one set of ground rules applying throughout the testing. (See Section III-B for more information.)