

MIL-M-38793/1A(EC)
17 December 1971
SUPERSEDING
MIL-M-38793/1(EC)
11 March 1970

MILITARY SPECIFICATION SHEET

MANUALS, TECHNICAL: CALIBRATION PROCEDURES, SUBMISSION OF

1. SCOPE

1.1 This specification covers the Naval Electronic Systems Command detail requirements for the preparation and submission of instrument calibration procedures for test and measuring equipment.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of the specification to the extent specified herein.

SPECIFICATIONS

MILITARY

MIL-M-38793 - Manuals, Technical: Calibration Procedures,
Preparation of

PUBLICATIONS

MILITARY

NAVAIR 17-20ICP-000 - Example Procedure

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the command or agency concerned or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements. The requirements shall be in accordance with MIL-M-38793 and as specified herein.

3.2 Instrument Calibration Procedure (ICP). The contractor shall furnish an ICP for each test and measuring equipment specified in the contract. Two or more similar equipment items may be combined in 1 ICP if such combination is approved by the Government.

3.3 Draft ICP. The purpose of the draft ICP is to furnish the Government with sufficient technical information to indicate that:

- (a) All required tests are included.
- (b) Test methods are adequate.
- (c) Tests are performed in logical order.
- (d) Unnecessary tests are not included.

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- (e) Calibration equipment has been properly selected.
- (f) The ICP will serve its purpose in an effective and efficient manner.

3.3.1 Evaluation. The contractor shall perform an evaluation of the draft ICP and submit a copy of the checklist containing the measurement data resulting from such evaluation along with the draft ICP (see 3.9 and 6.2). At the option of the Government, a representative may be appointed to witness or participate in the evaluation (see 3.4). The evaluation shall be performed exactly as described in the draft ICP using the test and measuring equipment and the calibration equipment (or equivalent) specified in the ICP. All changes and improvements which become apparent during the evaluation shall be incorporated into the draft ICP.

3.4 Submittal of draft ICP. The draft ICP shall be submitted to the command or agency concerned after approval of the first article or if first article is not required, after the effective date of the contract (see 3.9 and 6.2). The contractor shall notify the Government (see 3.9 and 6.2) prior to the ICP evaluation, specifying the date, time, and place selected for the evaluation, so that a Government representative may witness the evaluation (see 3.3.1).

- (a) The Government will provide approval or disapproval of the draft ICP within 60 days of submission (see 3.9).
- (b) Disapproved draft ICP's shall be corrected at the contractor's expense to rectify technical errors or digressions from contractual requirements. Corrected draft ICP's shall be resubmitted. A revised evaluation checklist if required by such corrections shall be submitted upon request (see 6.2).

3.4.1 Technical manuals. Technical manuals (interim or approved) applicable to the test and measuring equipment shall be submitted with the draft ICP (see 3.9 and 6.2).

3.4.2 ICP identification. The Government will assign an identifying number upon approval of the draft ICP.

3.5 Final ICP. The final ICP shall be submitted as a reproducible master typed on 9-x 13-inch bond paper 1/ suitable for 10-percent reduction to a finished image size of 7 x 10 inches. The final ICP shall include oversize calibration checklists with columns (1), (2), (3), and (7) typed complete. Pica type (10 characters per inch) of a style similar to IBM's Bookface Academic type face shall be used.

3.5.1 Delivery. The final ICP shall be delivered to the command or agency concerned after approval of the draft ICP (see 3.9 and 6.2).

1/ Legal size (8-1/2 x 14-inch) white bond may be used. The image area should be 7-11/16 x 11-inches overall for 10-percent reduction to 7 x 10 inches.

3.5.2 Acceptance or rejection. The Government (see 3.9) will notify the contractor of acceptance or rejection of the final ICP within 45 days of receipt.

3.5.3 Disapproved ICP's. Disapproved ICP's shall be corrected in accordance with instructions provided by the Government and resubmitted (see 3.9 and 6.2).

3.5.4 Title and change record pages. A title page and change record page will be added by the command or agency concerned (see 3.9) after acceptance of the final ICP.

3.5.5 Note and footnote. The note and footnote specified in MIL-M-38793 shall be used.

3.6 Graphic art. The format for illustrations shall conform to the examples shown in NAVAIR 17-20ICP-000 rather than the typical interconnection diagram of MIL-M-38793.

3.7 Inspection and acceptance. The Government reserves the right to cancel the requirement for the ICP at no cost to the Government if either the draft ICP or final ICP is not acceptable on the second submission.

3.8 Assistance to the contractor. The Government assumes no obligation to provide or assist in obtaining the loan of any equipment or technical data required for use in preparing the ICP. Copies of NAVAIR 17-20ICP-000, check-list forms, and forms with pre-printed footnote in sufficient quantity to meet the ICP typing requirement will be provided by the command or agency concerned upon request (see 3.9).

3.9 Submittals. All material required under the items of the contract shall be submitted to the Naval Plant Representative, General Dynamics Pomona Div., 1675 W. Mission Blvd. P.O. Box 2507, Pomona, California 91766 (Attn: Metrology Engineering Center, Code MT).

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality assurance provisions shall be as specified in MIL-M-38793.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be as specified in MIL-M-38793.

6. NOTES

6.1 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this detail specification sheet.
- (b) Title, number, and date of the basic specification.
- (c) Front matter shall consist of:

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- (1) List of effective pages
- (2) Table of contents
- (3) List of illustrations
- (4) List of tables

6.2 Contract data requirements. Data generated by this document are not deliverable unless specified on the Contract Data Requirements List (DD form 1423) or the contract schedule. The data required by this specification includes, but are not restricted to the following:

- (a) A copy of evaluation checklist (see 3.3.1).
- (b) Draft ICP, submission and corrected draft ICPs (if required) (see 3.4).
- (c) Technical manuals (interim or approved, as applicable (see 3.4.1)).
- (d) Final ICP submission (see 3.5.1).
- (e) Resubmittal of disapproved ICPs (see 3.5.3).

Preparing activity:
Navy - EC

(Project TMSS - N060)

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SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p>INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE	CONTRACT NUMBER	
<p>MATERIAL PROCURED UNDER A</p> <p><input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A. GIVE PARAGRAPH NUMBER AND WORDING.</p>		
<p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3. IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)</p>		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

S/N-0102-014-1801

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