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8 July 1970

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HANDLE VIA THE BYEMAN CONTROL SYSTEM

From: Commanding Officer, U. S. Naval Security Group Activity

To: [redacted] Commander, Naval Security Group Command (G54)

Subj: Signal Processing Techniques

Encl: (1) Processing Guidelines

1. Enclosure (1) provides processing guidelines that have been established for various Soviet landbased and shipborne radars, including some former and all current location targets. In each case the guideline is tailored to the specific emitter, taking into account the parametric ranges specified in the NSA EPL, characteristics of the emitter and local experience in processing data from the emitter family. These guidelines have evolved over a long period of time as processing shortcuts are discovered, parametric ranges shift, or software is modified and improved or newly developed. Some computer programs used in processing are locally written and are not yet available at [redacted] however, in almost all cases, the latest version of these programs has been forwarded to HRB-Singer via NRL, and [redacted] will probably have these tools or improved versions in the near future.

2. The primary purpose for forwarding these guidelines is to lend whatever assistance they may offer in clarifying the chaining concept which has been advocated by Mr. Lybarger as a method to reduce signal processing time by eliminating the operator interface in those cases where steps in processing have become standard. It is also hoped that a processing dialogue among NSGC, NRL, HRB, NSA, and digitized field sites may result in faster and more efficient processing as well as an understanding of limitations related to factors such as satellite spacing and computer capability.

Copy to:
Naval Research Lab (Code 5614) ✓
HRB-Singer
NAVCOMMSTA PHIL

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NRL B-0080-70

Feb

Approved for Release: 2024/06/12 C05026134

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AF MIPR SPECIAL INSTRUCTIONS

This instruction sheet is an integral part of accompanying MIPR and it is not to be detached.

1. INQUIRIES. Inquiries and correspondence regarding this MIPR will be directed to the appropriate office indicated in block 8 of MIPR.

2. ACCEPTANCE. For the convenience of the procuring agency in accomplishing formal acceptance of this MIPR in accordance with current DOD policies, six copies of DD Form 448-2 are attached. The anticipated date of obligation must be shown for those items procured under Category 2 method of financing (*direct citation of AF funds*).

3. REQUEST FOR ADDITIONAL FUNDS. Any request for an increase in funds will be forwarded to the office indicated in block 8 of MIPR. The additional funds requested will be expressed as a stipulated dollar amount and not on a percentage basis. All requests will be identified to the MIPR item number(s) involved and will state the reason for the required increase. Upon approval of the request, an amendment to the MIPR citing the additional funds will be forwarded to the procuring agency.

4. TRANSPORTATION CHARGES. HQ AFSC/HQ AFLC provide directives relative to the accounting classification, for first destination transportation, directly to the purchasing departments. Individual AF MIPRs will not carry specific citations for first destination transportation.

5. PAYMENTS

a. Obligations incurred under Category I method of financing will be paid by the Air Force upon submission of SF 1080, "Voucher for Transfer Between Appropriations and/or Funds," with all supporting documents, to the accounting office whose fiscal station number is cited in the accounting classification on this MIPR. The SF 1080 will reference the MIPR number and indicate whether the billing is partial or final. Under no circumstances will the procuring agency certify and process for payment SFs 1080 citing AF funds.

b. Direct citation on Contracts under Category 2.

(1) See Accounting Finance AFPI 53-404.6 for DOD cognizant plants and (2) The DCASR assigned administration of the contract or having jurisdiction over the contract administration office (DCASR or DCASO) assigned the contract for approval (ASPR 5-1107.3).

6. SHIPPING INSTRUCTIONS. Provided names and addresses of consignee of all supplies to be delivered are not contained herein, or otherwise furnished, request for the issuance of shipping instructions will be made to the office indicated in block 8 of MIPR, no later than 30 days prior to date on which any of the articles are ready for shipment.

7. IDENTIFICATION. All documents, acceptances, correspondence, inquiries, shipping documents, work or project orders, etc., and SF 1080 billings, etc., will reference the MIPR number and the MIPR item number. The quantity breakdown by equity (*Air Force, Army, or Navy*) and the applicable accounting classification(s) will also be referenced on all documents resulting from this MIPR.

8. DISTRIBUTION OF DOCUMENTS. Bulk distribution of acceptance, obligation, and shipping documents in the required number of copies as indicated below will be made by the procuring agency to the office indicated in block 8 of MIPR for internal AF distribution.

a. DD Forms 448-2. Original and four copies.

b. Numbered contracts (*including modifications or changes*). Eight copies (*including two signed or authenticated copies*) when only one funded station is cited on the MIPR. Where multiple funded stations are cited on the MIPR, one additional signed or authenticated copy for each funded station shown thereon must be furnished.

c. Unnumbered contracts, Purchase Orders (*DD Forms in 1155 series*). Eight copies including the signed original and two signed or authenticated copies.

d. Shipping documents other than DD Form 250, four copies.

9. SUPPLY TYPE CONTRACTS. All supply type contracts resulting from this MIPR and where inspection is at source, will contain the clause appearing in ASPR 7-105.7.

10. MATERIEL INSPECTION AND RECEIVING REPORTS (*DD Form 250*). Distribution will be accomplished in accordance with current ASPR requirements. In addition, where special distribution is required, it is shown in block 9 or on an attachment to this MIPR.

11. POINT OF FINAL ACCEPTANCE. A statement clarifying the point(s) of final acceptance will be included in all contracts resulting from this MIPR.

12. WITHDRAWAL OF EXCESS FUNDS BY THE AID FORCE:

a. If this MIPR is accepted for consolidated reimbursable procurement in an amount less than authorized on the MIPR, the DD Form 448-2 is authorization for the Air Force to decommit the excess funds by issuance of a MIPR amendment. After receipt of final billing (*SF 1080*) and subsequent determination that all items have been delivered and billed in an amount less than the MIPR, the Air Force may adjust their funds without authorization from or notice to the procuring department.

b. If this MIPR is accepted for direct citation procurement, any unused funds remaining on the MIPR after initial contract placement is completed will be immediately reported to the Air Force. The Air Force will then issue a MIPR amendment to decommit the excess funds. NOTE: If provisioning is involved, a decommitment amendment with respect to the specific item(s) will not be prepared until after the Air Force has advised the procuring agency that provisioning requirements are satisfied, and a contractual document marked final which definitizes all remaining provisioned items released to the contractor is received by the Air Force.

c. Upon receipt of deobligating contractual documents, the amount of excess funds will be coordinated with the procuring agency and withdrawn by a MIPR amendment.

AFLC/AFSC FORM 37 SEP 69

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AFSC-AAFB-WASH., D.C.

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CONTROL SYSTEMS JOINTLY