

SECRETOPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

7920

TO : All Branches

DATE: 19 March 1971

FROM : Code 7902

Due Monday 29th

SUBJECT: Personal Services Contracts

1. It is requested that the following information be furnished on all subject contracts:

a. Contract No: [REDACTED]

b. Magnitude of Contract: *#6,173,633⁰⁰ since Feb 1964. (#880K/yr Avg.)*(1) No. of people *6 @ NRL plus 23 @ [REDACTED]*(2) Dollars/unit./time *880 K/yr Avg over 7 years.*(3) *starting date.*c. Do you plan to continue the contract? Yes X No If so, how many years? *future. 3 years*

d. List names of principal contractor personnel:

e. Write a short paragraph on what services are being performed.

any other Group or Lab. for personal services not material procurement.

5010-108

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HRB-SINGER, INC.

MEMORANDUM

TO: Mr. Reid D. Mayo, Naval Research Laboratory,
Code 7920, Washington, D. C. 20390

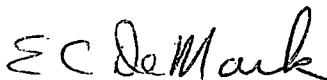
FROM: Eugene C. DeMark

DATE: 24 March 1971

SUBJECT: Your Request for Program 4913 Contract Summary Data

The attachment is in response to your request for contract summary data on the HRB-Singer, Inc. 4913 Program.

Please contact me if additional data or revision of the attached text is desired.



Eugene C. DeMark
Manager, Program 4913

ECD:sab

Attachment

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ATTACHMENT

24 March 1971

A. ONR Contract No.:

B. Contract Data:

1. Amount: \$1,929,290
2. Period of Performance: 15 November 1969 through
31 August 1971 (21.5 months)
3. Average Cost/Month and Total by Tasks (through
31 August 1971):

<u>Task #</u>	<u>Description</u>	<u>Key Personnel</u>	<u>Est. Cost per Month</u>	<u>Total</u>
1	NRL Resident Service	Hammarstrom	\$14.9K	\$ 320.7K
2	Overseas Tech. Adv.	Martin	3.5K	76.1K
3	Analysis & Oper. Programs	Daniels	23.0K	493.7K
4	Systems Development	Wales	17.6K	378.6K
5	Computer Services	Riale	12.2K	262.4K
6	Program Management	DeMark	12.6K	270.7K
7	Site Development		.5K	10.1K
8	Deployment		1.1K	24.1K
9	Briefings & Training		1.6K	34.2K
10	Documentation		2.7K	58.6K
	TOTAL		<u>\$89.7K</u>	<u>\$1,929.2K</u>

4. Number of People on Contract: Approximately 25

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SERVICES PROVIDED, CONTRACT NUMBER [REDACTED]

Services provided by HRB-Singer, Inc. under Contract Number [REDACTED] have included research and development efforts on a special purpose data acquisition and processing system. This effort contains tasks to further quality assessment analysis and data reduction techniques with special emphasis on the feasibility of improving processing time and expanding the potential for improved and increased results. HRB-Singer, Inc. maintains a staff of technical personnel at the Naval Research Laboratory, in State College, Pennsylvania, and at various overseas field sites. This effort provides engineering assistance and operational support at these sites for the development, operation, maintenance, acceptance testing, and installation of equipment or techniques, as directed by the Scientific Officer.

This contract effort is broken into ten tasks to facilitate Program scheduling and control within HRB-Singer, Inc. A brief summary of the major efforts of each of these tasks is provided below.

NRL Resident Service

Provides for the sustenance of the staff of HRB-Singer, Inc. assigned to the Naval Research Laboratory on a full-time basis in support of the Program under the cognizance of the Scientific Officer. This staff, currently consisting of six men, provides technical and logistical support for the field sites and assists the NRL Scientific Officer in his planning and organization of the Program.

Overseas Technical Advisor

Provides for assignment of HRB-Singer, Inc. personnel to overseas field sites on a full-time basis. Assignments at particular sites are normally 12 to 18 months. This task includes all travel to and from the site, wages and per diem of the technical advisor, and support of the advisor from HRB-Singer, Inc.

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SERVICES PROVIDED cont'd.

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Analysis

Provides for investigation of overall system techniques, capability, and evaluation of final output data to determine system accuracy and define areas of possible improvement. Specific areas of effort on this task include:

1. Development of operational programs to derive end item processed data from raw data.
2. Analysis of selected output data from field sites in a quality assessment role.
3. Response to special requests from field to investigate apparent anomalies in output data or operational software.
4. Provide, upon request from NRL Scientific Officer, analysis effort on specific data or techniques.

System Development

Concerned with the development of advanced techniques to improve overall Program performance. Two of the personnel assigned to this task have served extended tours at overseas field sites as technical advisors and are, therefore, intimately familiar with operational techniques, problem areas, and specific needs of site personnel.

Specific areas of effort on this task include: (1) Investigation of modifications to the RS-1A receiving subsystems, buffered tape system, and the analog-to-digital data subsystem (A/DDS); (2) Various examinations of both hardware and software in response to requests from field sites to investigate apparent anomalies; (3) Development of data handling techniques and definition of required modifications to existing hardware to accommodate expansion of the field site capability to include the proposed augmented effort computer.

Computer Services

Provides and maintains the computer facility at HRB-Singer, Inc. as an effective tool in the development of operational computer programs for field site use. The original responsibility of this task was to establish a machine-oriented Executive operating system that would enable program developers and computer system operators to take full advantage of all the capabilities of the machine. This has since expanded to provide for acceptance testing of new computer systems prior to their

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deployment to field sites and for technical assistance to the Naval Research Laboratory in the development and specification of advanced computer systems.

Areas of effort on the Computer Services task include:

1. Maintain a continuing evaluation of the computer operating system to insure that current operator requirements are satisfied.
2. Generate software for new peripheral equipments to maximize effectiveness of these systems.
3. Evaluate the performance of, debug, and recommend acceptance of new computer systems prior to their deployment to field sites.
4. Maintain the computer equipment at the HRB-Singer, Inc. site and assist the Naval Research Laboratory in maintenance of the [redacted]
5. Provide technical assistance to the Naval Research Laboratory in preparation of specifications for and selection of advanced computer systems.

Program Management

Provides the technical direction and administration of the Program within HRB-Singer, Inc., including all areas of Program support within the Company not directly associated with a particular task. It includes financial control, scheduling and planning, manpower assignments, and maintains Program records within the Company. The prime responsibility of the Program Management task is to provide close liaison between HRB-Singer, Inc. and the NRL Scientific Officer and his staff at the Naval Research Laboratory in coordinating Program activities and providing for a comprehensive narrative to NRL of developments and efforts at HRB-Singer, Inc.

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Site Development

Pertains to areas of modification to a site facility, exclusive of hardware systems. This effort has included installation of raised flooring in computer rooms and closed areas and installation of air-handling systems. This effort is concerned with all sites, including overseas, Washington, D. C., and the developmental computer site at HRB-Singer, Inc.

Deployment

Provides the efforts involved in the preparation for shipments, installations, and tests at various CONUS and overseas sites of hardware systems from HRB-Singer, Inc. This task includes both HRB-Singer, Inc. developed hardware and computer systems accepted by NRL at HRB-Singer, Inc. Deployment activities include establishment of systems in [REDACTED]

Briefings and Training

Provides for instruction, at various levels, of Naval personnel who are scheduled for assignment at overseas sites, for training of HRB-Singer, Inc. personnel for overseas assignments, and for preparation for and conducting briefings on the Program. Specific efforts have included:

1. Hardware oriented (theory and maintenance) courses on HRB-Singer, Inc. produced equipment (A/DDS, RS-1A Receiver subsystems, and MC-1 Multicoupler).
2. Courses on the overall system theory and operational procedures.
3. Efforts of HRB-Singer, Inc. personnel in presenting Program briefings to government officials at HRB-Singer, Inc.
4. Assisting NRL personnel in their briefings in the Washington, D. C., area.
5. Preparation of HRB-Singer, Inc. personnel for assignments as technical advisors at overseas locations.

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Documentation

Contains efforts related to generation of text and drawings, and the preparation and publication of manuals and documentation concerning HRB-Singer, Inc. produced hardware prototypes, computer program operating systems, and modifications or developmental changes to the above. Specific efforts under this task include:

1. Preparation and publication of technical manual for RS-1A Receiving System
2. Publication of technical manual for MC-1 Multicoupler
3. Preparation and publication of Analog-to-Digital Data Subsystem (A/DDS) manual
4. Preparation of technical data on MRF 101/102 Special Purpose Receiver
5. Preparation and publication of user-oriented descriptions and operating procedures for all HRB-Singer, Inc. produced computer programs.
6. Preparation of special reports as requested by the Scientific Officer

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PROJECT 4913 SALES HISTORY

<u>PROJECT #</u>		<u>CONTRACT SALES</u>	<u>PROFIT</u>	<u>BOOKING DATE</u>	<u>APPROVED EXPOSURE*</u>
574	SYSTEM SUPPORT (NRL)	\$ 52,893	\$ 3,608	2/64 <i>17 months</i>	<i>2 experienced</i>
913	BASIC CONTRACT	82,834	6,489	7/65	
	MODIFICATION #2	156,687	12,673	3/66	
	MODIFICATION #3	178,041	14,400	6/66	
	MODIFICATION #4	67,844	5,487	11/66	
	MODIFICATION #5	700,000	54,500	4/67	\$ 36,700
	MODIFICATION #6	234,284	18,234	1/68	31,100
	MODIFICATION #7	679,811	58,889	4/68	8,200
	MODIFICATION #8	308,816	22,875	7/68	246,000
	MODIFICATION #9	329,000	26,310	3/69	200,000
	MODIFICATION #11	995,000	79,252	8/69	575,000
4913	NEW BASIC CONTRACT	600,000	49,000	1/70	165,000
	MODIFICATION #1	650,000	52,000	9/70	175,000
	MODIFICATION #2	679,990	54,716	1/71	
				7/71	
	TOTAL SUMMARY--CPFF	<u>\$5,715,200</u>	<u>\$458,433</u>		

*This is the approved exposure at the time the related contract modification was booked.

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Avg = 73 K/month or \$880K/year over 7 years.
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