

DMCC

- . The Integrated Mission Control Center (DMCC), is being implemented at Houston to be operational in 1964 as the Manned Space Flight Control Facility.
- . The DMCC is presently scheduled to be available to support the Gemini Rendezvous and Apollo Manned Missions.

MAJOR ELEMENTS OF THE DMCC

- Communications System.
- Display System.
- Simulation and Checkout System.
- Real-Time Computing System - IBM.

TASKS OF IMCC CONTRACTOR

- . Design, Development and Implementation of IMCC Operational Systems.
- . Management of IMCC Systems Integration.
- . Recovery Control Center Study.
- . Design, Development and Implementation of Launch Control Center Interface.
- . Determine and Resolve Ground Operational Support System Interface Problems.

EVENTS LEADING TO EVALUATION

- . Information Flow Study Contract.
- . Selection of Kaiser to Design IMCC Building.
- . Selection of IBM as RTCC Contractor.
- . Preproposal Review of Companies Desiring to Bid.
- . Study Results Available to Bidders.
- . Preproposal Conference with Prospective Bidders.

EVALUATION RESULTS

	<u>Company</u>	<u>Rating</u>		
1	Philco	Very Good	////////////////	Preferred
2	ITT	Good	////////////////	Acceptable
3	RCA	Satisfactory	//////////	Marginal
4	Lockheed	Satisfactory	////////	Marginal
5	IBM	Satisfactory	//////	Undesirable
6	Hughes	Fair	///	Undesirable
7	Bendix	Fair	///	Undesirable

Adjective Ratings Used:

- Outstanding
- Excellent
- Very Good
- Good
- Satisfactory
- Fair
- Poor
- Unacceptable

BIDDERS ESTIMATED COST

<u>Company</u>	<u>Total Cost in Millions</u>
Bendix	\$ 17.968
Lockheed	\$ 20.199
RCA	\$ 21.070
ITT	\$ 24.624
Philco	\$ 33.899
Hughes	\$ 35.090
IBM	\$ 70.711

COST - SOFTWARE VS HARDWARE
Information

\$ In Thousands

SYSTEM	BENDIX	LOCKHEED	RCA	ITT	PHILCO	HUGHES	IBM
COMM	\$ 3,872	\$ 1,582	\$ 2,181	\$ 7,228	\$ 5,390	\$ 9,003	\$10,154
SCATS	2,561	2,580	2,710	4,178	3,388	5,815	11,971
DISPLAYS	6,090	2,872	6,213	8,045	12,395	10,699	24,944
	\$12,523	\$ 7,034	\$11,104	\$19,451	\$21,173	\$25,517	\$47,069
IMCC INT.	\$ 790	\$ 2,420	\$ 4,832	\$ 595	\$ 3,719	\$ 675	\$ 4,640
RCC STUDY	125	35	186	205	129	249	314
GOSS INT	260	2,858	753	215	704	493	4,524
DOC.	1,548	2,610	1,683	2,296	619	3,814	3,768
MGMT		1,372			928		5,945
	\$ 2,723	\$ 9,022	\$ 7,454	\$ 3,311	\$ 6,099	\$ 5,231	\$19,191
O&M	\$ 1,548	\$ 4,143	\$ 2,512	\$ 1,862	\$ 6,627	\$ 4,342	\$ 4,450
INST	1,174						
	\$ 2,722	\$ 4,143	\$ 2,512	\$ 1,862	\$ 6,627	\$ 4,342	\$ 4,450
TOTAL	\$17,968	\$20,199	\$21,070	\$24,624	\$33,899	\$35,090	\$70,711

MAIN
FEATURES OF
PROPOSALS

PHILCO (WDL)

- Best Technical Proposal.
- Minimum of Redirection.
- Very Good Management.
- Third Highest Cost.
- Most Likely to Meet Schedule.

IFT

- . Very Good Understanding of Problem.
- . Major Technical Reservations.
- . Very Good Management.
- . Inadequate Manpower.
- . Fourth Highest Cost.
- . Considerable Redirection.

RCA

- Good Appreciation of Operational Problems.
- Lack of Definitive Systems.
- Undue Reliance on RTCC and Commercial Carrier.
- Good Management.
- Fifth Highest Costs But Considered Unrealistic.
- Major Redirection.

LOCKHEED

- Good Appreciation of Network Operating Problems.
- Gross Misconception of the DCC Real-Time Function.
- Proposed Manual System Inadequate.
- Very Good Management.
- Low Cost Due to Manual System.
- Major Redirection.

DM - HUGHES - HENDIX

- Wear in One or More Major Areas.
- Prohibitive Redirection.
- Considered Undesirable.

PREFERRED CONTRACTOR

PHILCO

PHILCO PERFORMANCE DURING STUDY CONTRACT

- Demonstrated Technical Competence.
- MCC Design.
- Responsive to MSC Direction.
- Demonstrated Initiative and Enthusiasm for Assigned Task.
- MSC Very Pleased with Philco Performance.