

SELECTION OF CONTRACTORS
FOR
SPACE STATION (PHASE C/D)

On October 29 and 30, 1987, Mr. Myers, Mr. Shapley, and I, along with other senior NASA officials, met with the four Source Evaluation Boards (SEB's) appointed to evaluate the Space Station (Phase C/D) proposals.

DESCRIPTION OF PROCUREMENTS

In 1984, the President directed the National Aeronautics and Space Administration (NASA) to undertake the development of the Space Station, the next step in a broad-based U.S. civil space program to develop spaceflight capabilities and to exploit space for scientific, technological, and commercial purposes. Pursuant to that direction, NASA awarded, in 1985, contracts for parallel definition and preliminary design (Phase B) studies. Those studies have been completed and the Space Station Program (SSP) is now ready to proceed into the final design and development phase (Phase C/D), leading to a permanently manned Space Station to be operational in the mid-1990's. To that end, the objective of these procurements is to acquire the design, development, test, and evaluation (DDT&E) and delivery of the Space Station, including related early operations support. The Space Station Phase C/D requirements appear in four work packages (WP's), each under the cognizance of a NASA field installation, and each reflecting assigned Space Station responsibilities, primary of which are the following:

WP-1 MARSHALL
SPACE FLIGHT CENTER

Laboratory Module
Habitation Module
Logistics Elements
Node and Airlock
System Components:
Environmental Control
and Life Support
Internal Audio/Video
Internal Thermal Control
Node Structure
Berthing Mechanisms/Hatches
Manned Systems Components (MOU)

WP-3 CODDARD
SPACE FLIGHT CENTER

Polar and Co-orbiting
Platforms
Attached Payload
Accommodations
Customer Servicing

WP-2 JOHNSON
SPACE CENTER

Resource Nodes
Integrated Truss Assembly
Mobile Transporter
Propulsion Module
Airlocks
STS/SSPE Attachments
EVA, External Thermal
Control, Assembly and
External Maintenance,
GN&C, C&T, and DMS Systems

WP-4 LEWIS
RESEARCH CENTER

Electric Power System

Finding no clear cost advantage with either approach, we concluded that the Brayton alternative was the better approach.

Turning to our primary task, we noted that the Rocketdyne proposal (with Brayton alternative) was characterized as "very good" by the SEB. We considered the strengths and weaknesses underlying this rating concluding that it was justified. Finding that the Rocketdyne cost proposal was not so high as to be unacceptable for negotiations and further finding that the proposal was satisfactory in the remaining evaluation areas, we concurred with the SEB's overall assessment that the proposal was acceptable.

Finally, for the reasons expressed above, the following companies were selected for negotiations leading to award of contracts for the Space Station (Phase C/D) requirements:

WP 1	Boeing Aerospace Company
WP 2	McDonnell Douglas Astronautics Company
WP 3	General Electric Company Astro-Space Division
WP 4	Rockwell International Rocketdyne Division




 James C. Fletcher
 Administrator

DEC 15 1987


 Date

CONCUR:



 Dale D. Myers
 Deputy Administrator

DEC 15 1987



 William H. Shapley
 Associate Deputy
 Administrator (Policy)

DEC 15 1987
