

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL
NASA/GODDARD SPACE FLIGHT CENTER
REQUEST FOR TASK PLAN / TASK ORDER

QSS Group, Inc.	NASS- 99124	TASK NO. 24	AMENDMENT	730-632-81-01-69	99
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TASK TITLE: (NTE 80 characters; include Project name)
Concept Study of an Advanced Space Platform System for Power Generation

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Seymour Kant <i>Seymour Kant</i>	4-14-99	730	730	301-288-6140
BRANCH HEAD	DATE	CODE	PHONE	
James F. Andary <i>Michael W. W...</i>	4/15/99		730	301-288-2289
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE	
Fred Huegel <i>Deborah A. Clark</i>	4/16/99	568		301-288-2285

FLIGHT HARDWARE, CRITICAL CODE OR SOFTWARE? NO YES
CONTRACTING OFFICER'S QUALITY REP. **Larry Moore**
DESIGNATED NAME:

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Raps and Certs.
 (To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: **APR 19 1999**

Contractor will develop specification or statement of work under this task for a future procurement. NO YES
 Flight hardware will be shipped to GSFC for testing prior to final delivery. NO YES N/A
 Government Furnished Property/Facilities: NO YES - SEE LIST OF GPP (office only) / FACILITIES (on-site only)
 On-site Performance: NO YES If yes: TOTAL PARTIAL If partial, indicate on-site work in SOW by asterisk (*)
 Surveillance Plan Attached: NO YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)
 Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order is May 3, 1999.

INCENTIVE FEE STRUCTURE (check one)
 (See Contract NASS-99124, Attachment K, Incentive Fee Plan)

	<u>✓</u> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)
 The target cost of this task order is \$ 45,770.
 The target fee of this task order is \$ 2,908.
 The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 48,678.
 The maximum fee is \$ 4,250.
 The minimum fee is \$0.

Lorrie L. Eakin **7/22/99** **Lorrie L. Eakin**
 SIGNATURE OF CONTRACTING OFFICER DATE TYPED NAME OF CONTRACTING OFFICER

James M. Roman **7/23/99**
 AUTHORIZED SIGNATURE DATE

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Applicable paragraphs from contract Statement of Work: **Function 1A**

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The advanced space platform will consist of an array of identical platforms loosely linked together in a geosynchronous orbit. Each platform will generate power from a large solar array and transmit this power at microwave frequency to a receiving station on the ground.

This study shall generate the platform requirements for attitude and position knowledge and control. The use of the Global Position Systems (GPS) shall be especially considered for position knowledge, and this autonomous method shall be compared to ground tracking for both quality and cost. The study shall focus on the coordination of the individual platforms of the array, for both small and large size arrays.

PERFORMANCE SPECIFICATIONS:

The interim report shall cover the ground vs. spacecraft tracking comparison.
The final report shall cover the individual platform requirements

APPLICABLE DOCUMENTS:

TASK END DATE: 1/15/00

MILESTONES/DELIVERABLES AND DATES:

1. Interim report 9/14/99
2. Final report 1/15/00

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above.
Technical: ATR's acceptance of the above.

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

S. Kant, Bldg. 23, Room S400