

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124 TASK NO. 414 AMENDMENT	567-322-10-10-89	01

TASK TITLE: (NTE 80 characters; include Project name)

EO-1 Phased Array Characterization

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Kenneth Perko <i>Kenneth Perko</i>	11-2-00	567	567	301-286-6375
BRANCH HEAD	DATE	CODE	PHONE	
John Chitwood <i>John Chitwood</i>	11-2-00	567	301-286-5936	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE	
Robert S. Lebar, Jr. <i>Robert S. Lebar, Jr.</i>	11/2/00	562	301-286-6382	
FLIGHT HARDWARE, CRITICAL USE OR SOFTWARE <small>(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:		
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				

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 Reqs and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date:

Contractor will develop specification or statement of work under this task for a future procur 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 GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: NO YES If yes: TOTAL Partial
If partial, indicate onsite 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 shall be 11/3/00.

INCENTIVE FEE STRUCTUR (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	<input checked="" type="checkbox"/> 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 \$ 54,455.

The target fee of this task order is \$ 3,540.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 57,995.

The maximum fee is \$ 5,174.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Theresa J. Becker
SIGNATURE OF CONTRACTING OFFICER

12/15/00
DATE

Theresa J. Becker
TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR: QSS Group, Inc. **CONTRACT NO./TASK NO.:** NASS- 99124 **TASK NO.:** 414 **AMENDMENT:**

Applicable paragraphs from contract Statement of Work: Function 2 B, C and Function 5 A

STATEMENT OF WORK:

Contractor will use existing software and write new software as necessary to characterize the bit error performance of the EO-1 phased array antenna.

1. Collect data from the EO-1 satellite to be used both as a prelaunch baseline and to test existing and new software that will be required for the antenna testing.
2. Collect X band 105 Mbps data from the phased array antenna after the satellite is on orbit.
3. Evaluate the data for both bit and burst errors
4. Analyze error patterns for indication of errors caused by beam steering.
5. Issue a final report of the work accomplished and results obtained.

PERFORMANCE SPECIFICATIONS:

Final Report to contain the detailed engineering results as described in the SOW. This report shall include bit and burst error analysis and describe the extent to which antenna steering appears to introduce errors. The report should be delivered in MS Word format.

APPLICABLE DOCUMENTS:

None

TASK END DATE: 10/31/2001

MILESTONES/DELIVERABLES AND DATES:

Collect and verify prelaunch data	11/16/2000 11/30/00
Obtain on orbit data.	11/22/2000
Test software using orbit derived data.	1/31/2001
Preliminary report on burst errors	2/28/2001
Final report	10/15/2001

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the above deliverables/milestones
Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

K. Perko, Bldg. 19 Rm. S28