

**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	APPROX. FY.
QSS Group, Inc.	NASS-	571-228-13-11-89	01
	99124		

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

**EOS Aura Guidance, Navigation and Control**

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Jennifer Bracken <i>Jennifer M. Bracken</i>	12 Dec 2000	571	571	301-286-3688
BRANCH HEAD	DATE	CODE		PHONE
Brent Robertson <i>Brent Robertson</i>	12 Dec 2000		571	301-286-6392
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Robert S. Lebair, Jr. <i>Robert S. Lebair, Jr.</i>	12/13/00		560	301-286-6588
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	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:** DEC 18

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 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 2/1/01.

**INCENTIVE FEE STRUCTURE (check one)**

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

	<input checked="" type="checkbox"/> No. 1	<input type="checkbox"/> No. 2	<input type="checkbox"/> No. 3	<input type="checkbox"/> No. 4	<input type="checkbox"/> 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 \$ 200,634.

The target fee of this task order is \$ 12,860.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 213,494.

The maximum fee is \$ 18,795.

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

1/19/01

DATE

*Theresa J. Becker*

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

-----  
 AUTHORIZED SIGNATURE

-----  
 DATE

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CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
QSS Group, Inc.	NAS5- 99124	435	

Applicable paragraphs from contract Statement of Work:

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

(Anticipated start date is February 1, 2001)

The contractor shall provide services to the Guidance, Navigation and Control Center (GNCC) Guidance, Navigation and Control (GN&C) Systems Engineering Branch for the Earth Observing Satellite (EOS) Aura spacecraft.

Using the contractor's knowledge of end-to-end GN&C flight and ground systems engineering, GN&C system conceptual design, GN&C system technology development, and GN&C technology planning, the contractor shall perform the following:

1. Provide management of all analytical and hardware activities relating to GN&C. This includes GN&C components definition, system integration and test, flight software development and test, and launch and mission operations services.
2. Evaluate the EOS Aura spacecraft for flight readiness through a series of developmental qualifications, and acceptance tests.
3. Evaluate GN&C on-orbit anomalies and recommend operational solutions of work-arounds. If required, recommend fixes for future spacecraft.
4. Evaluate any proposed changes to the EOS Aura GN&C design to determine the effect on instrument pointing performance.
5. Evaluate any proposed changes to the instruments to determine the effect on the EOS common spacecraft GN&C design.

The contractor shall perform tasks on-site and at EOS Aura contractor locations.

**PERFORMANCE SPECIFICATIONS:**

**Reports and Documents:** Technical performance will be based on thoroughness and completeness of written reports. Acceptable performance is that the ATR is satisfied that the material reflects the proper level of technical expertise and meets the objectives of the activity. Reports shall be delivered to the ATR both as a hard copy and in MS Office compatible format via either diskette or email.

**Technical Progress Report:** Acceptable performance is that the ATR is satisfied that he is being kept informed of the status of work performed and of issues requiring his attention. Report to include: (1) summary of monthly progress; (2) plans for next month; (3) problems; (4) issues; and (5) resolution of problems/issues.

**Management:** Performance will be measured against the following metrics: (1) accomplishment of objectives; (2) clear, incremental progress; (3) responsiveness to issues; (4) efficient and appropriate staffing; and (5) coordination with and good working relationship with ATR and other related contractor efforts, if applicable.

**APPLICABLE DOCUMENTS:**

None.

**TASK END DATE:**

~~1/31/01~~ 1/31/02

**MILESTONES/DELIVERABLES AND DATES:**

1. Evaluation/study results and reports shall be delivered to the EOS Aura Project and the ATR within 6 months of the initial request for EOS Aura Project specified analysis.
2. Technical Progress Report: monthly, 15th of the month
3. Additional status meetings and reports may be requested by the EOS Aura Project and/or the ATR.

**PERFORMANCE STANDARDS:**

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

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Peg Luce, building 16W, room N008D and Jennifer Bracken, building 11, room E109