

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
QSS Group, Inc.	NAS5- 99124 <b>TASK NO.</b> <b>230</b> <b>AMENDMENT</b>	565-629-50-10-89	00

**TASK TITLE:** (NTE 80 characters; include Project name)  
**ST-5 Nanosat Electrical Systems Services**

**APPROVALS:** (Type or print name and sign)

<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Diwan Bhathal <i>Paul Bryant for Diwan Bhathal</i>	3-22-2000	565	565	301-286-0459
<b>BRANCH HEAD</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Paul Bryant <i>Paul Bryant</i>	3-22-2000	565	301-286-7897	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (OTR)</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Robert S. Lehair, Jr. <i>Robert S. Lehair</i>	3/22/00	560	301-286-6588	

**FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?**      **CONTRACTING OFFICER'S QUALITY REF.**      **DESIGNATED FAM:**  
IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK

NO       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:**      **MAR 23 2000**

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 March 23, 2000.

**INCENTIVE FEE STRUCTURE** (check one)  
(See Contract NAS5-99124, 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 \$ 158,712.

The target fee of this task order is \$ 10,176.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 168,888.

The maximum fee is \$ 14,873.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

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

*Elizabeth J. Austin*      4/28/00

SIGNATURE OF CONTRACTING OFFICER      DATE

**ELIZABETH J. AUSTIN**  
**CONTRACTING OFFICER**  
 TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

\_\_\_\_\_  
 AUTHORIZED SIGNATURE      DATE

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Applicable paragraphs from contract Statement of Work:

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

The contractor shall perform specific electrical systems engineering activities including:

- 1) Assist Code 565 Electrical Systems Engineer in writing Electrical Requirements document
- 2) Assist Code 565 Electrical Systems Engineer in writing electrical systems specifications and interface control document
- 3) Review and analyze electrical design interfaces for the spacecraft and instruments
- 4) Review and analyze spacecraft to Ground Support Electrical Equipment interface requirements
- 5) Assist and/or write electrical systems test plans and procedures
- 6) Design, review and analyze electrical harnesses
- 7) Assist Code 565 Electrical Systems Engineer with trade studies and preparation for major reviews such as SCR and PDR.
- 8) Assist and/or write electrical and communication plans and procedures for launch site checkout, integration and test.
- 9) Analyze configurations, designs, and procedural changes submitted to control boards.

**PERFORMANCE SPECIFICATIONS:**

All documentation shall be completed per the QSM standards and procedures. Reports shall contain subjects, references, attachments as necessary, background information, issues, technical analysis or reviews, conclusions, recommendations, and options as necessary. More extensive reports shall contain indexes, figures, and data necessary to make the report complete.

**APPLICABLE DOCUMENTS:**

565-PG-8700.2.1 Electrical Harness Design and Manufacturing

**TASK END**      3/31/01

**MILESTONES/DELIVERABLES AND DATES:**

Report: Status on Engineering Activities and Analysis -- Monthly

Inputs to Electrical Systems Specification	3/31/00
Input to Electrical Systems ICD	6/15/00
Input to Systems Concept Review	4/10/00
Input to Electrical Harness Specification	7/17/00

**PERFORMANCE STANDARDS:**

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

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

Diwan Bhathal, building 20, room 11