

**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
<b>QSS Group, Inc.</b>	NAS5- <b>99124</b>	TASK NO. <b>87</b>	<b>415-616-31-91-89</b>	<b>99</b>

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

**GOES Project Systems Engineering Services -- GOES L-M**

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Robert Lilly, Jr. <i>Robert Lilly</i>	9/30/99	415	415	301-286-7752
BRANCH HEAD	DATE	CODE		PHONE
Martin A. Davis <i>Martin A Davis</i>	9/24/99		415	301-286-8998
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Robert S. Lebair, Jr. <i>Deborah A. Clark</i>	9/29/99		560	301-286-6588

FLIGHT HARDWARE, CRITICAL GSE 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	Larry Moore	

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 Reps and Certs.

*(To be completed by Contracting Officer)*  
**C.O. Requested Quote on:**  
**Date: May 17, 1999**

Contractor will develop specification or statement of work under this task for a future procurement.	<input type="checkbox"/> NO	<input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	<input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES    If yes: <input type="checkbox"/> TOTAL <input type="checkbox"/> 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 May 17, 1999.

**INCENTIVE FEE STRUCTURE (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 \$ 435,775.

The target fee of this task order is \$ 28,326.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 464,101.

The maximum fee is \$ 41,399.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

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

<i>Lois L. Eakin</i> SIGNATURE OF CONTRACTING OFFICER	<u>1/13/00</u> DATE	<b>Lois L. Eakin</b> Contracting Officer TYPED NAME OF CONTRACTING OFFICER
--	------------------------	--

**CONTRACTOR'S ACCEPTANCE:**

_____	<u>1/24/00</u>
AUTHORIZED SIGNATURE	DATE

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

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER****CONTRACTOR****CONTRACT NO./TASK NO.**

QSS Group, Inc.

NAS5-

TASK NO.

AMENDMENT

99124

87

Applicable paragraphs from contract Statement of Work: Function 2b

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

- a. Assess design reviews, evaluate testing and integration activities, evaluate system performance, physically participate in required launch activities, and participate in all phases of operation planning for subsystems and instruments.
- b. Provide systems engineering analysis for the design and development of the GOES L-M Radio Frequency (RF) communications subsystem and related efforts required to successfully complete GOES integration and test activities.
- c. Provide systems engineering analysis for the design and development of the GOES L-M Telemetry and Command (T&C) subsystem and related efforts required to successfully complete these integration & test activities.
- d. Provide systems engineering analysis for the design and development of the GOES L-M AOCS subsystem and related efforts required to successfully complete these integration and test activities.
- e. Provide Imager/Sounder test and integration engineering assessment to insure reliable development and testing at vendor facilities. Coordinate GSFC support services when required, and manage, with Code 415 personnel, the integration of each instrument on the spacecraft.
- f. Provide engineering and analysis services to the GOES Project to evaluate the design, development and test of the GOES-M SXI instrument.
- g. Develop and maintain a High Fidelity AOCE model for engineering simulation purposes.
- h. Provide system engineering support to maintain and update the database for the GOES Incident Reports (GIRs).
- i. Provide launch system engineering support to the GOES Project, including evaluation of ICD changes, interface verification and coordination of activities related to ground operations of the launch site.

**PERFORMANCE SPECIFICATIONS:**

All plans and procedures under this task are to be produced using industry standards.

**APPLICABLE DOCUMENTS:**

Evaluation and input to be based on all applicable GOES Spacecraft Performance and Verification Documents.

**TASK END DATE:** 4/30/00**MILESTONES/DELIVERABLES AND DATES:**

Status report of AOCS, Communications, T&C subsystem, Electrical system and Launch system	Monthly
Non-conformance Review and Analysis	Within 3 days of assignment by ATR
GOES/Atlas ICD change review/analysis	Within 6 days of receipt of change
GIR Review Analysis and Evaluation	3 days after assignment by ATR

**PERFORMANCE STANDARDS:**

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

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

Robert Lilly, building 6, room W219