

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. 424	AMENDMENT	730-259-20-23-89	01

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

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE	
Oscar González <i>[Signature]</i>	11/28/2000	730	730	301-286-7165	
BRANCH HEAD	DATE	CODE	PHONE		
Jay Smith <i>[Signature]</i>	11/28/2000	730	301-286-5185		
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE		
for Robert S. Lebair, Jr. <i>[Signature]</i>	11/28/00	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					

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:

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)*

INCENTIVE FEE STRUCTURE (check one)
 (See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	No. 3	<input checked="" type="checkbox"/> 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 \$ _____.

The target fee of this task order is \$ _____.

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

The maximum fee is \$ _____.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

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

_____ SIGNATURE OF CONTRACTING OFFICER	_____ DATE	_____ TYPED NAME OF CONTRACTING OFFICER
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CONTRACTOR'S ACCEPTANCE:

_____ AUTHORIZED SIGNATURE	_____ DATE
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QSS Group, Inc.	NAS5- 99124	TASK NO. 424	AMENDMENT

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK:

In support of the MBLA program, the contractor shall:

1. Develop a thermal model, which describes the thermal behavior of the MBLA Laser Transmitter Assembly.
2. Identify thermal limits and profiles to be used in the MBLA STOP analysis.

All information provided to the contractor shall be treated as confidential information. All information generated on this task will be the property of the government and shall be treated as confidential information.

Through the performance of this task it is expected that the contractor will closely interface with the required discipline engineer. All necessary information required for the completion of this task will be provided by the government.

Lou Fantano	Thermal Systems Engineer	301-286-9965
Jeff Bolognese	Systems Stress Analyst Engineer	301-286-4252
Israel Moya	Mechanical Systems Engineer	301-286-3513
Paul Guy	Electrical Systems Engineer	301-286-8804
Mark Matsumura	Laser Assembly Lead Engineer	301-286-8202
John Cavanaugh	MBLA Chief Engineer	301-614-6022
Oscar Gonzalez	Instrument Systems Engineer	301-286-7165

PERFORMANCE SPECIFICATIONS:

Thermal Model: The thermal model shall describe the total thermal behavior of the laser housing assembly. This includes the electronic cavity and the laser cavity. On the laser cavity, the model must specifically describe the thermal characteristics of the following interfaces:

1. Optical bench mounting interfaces on the aluminum housing.
2. Laser diode array mounting interface on the aluminum housing.
3. Output lens assembly (output wristley assembly) on the aluminum sidewall.

On the laser cavity, the model shall describe, in general, the thermal interfaces related to the electronic board assemblies.

Estimate the thermal profiles to be used in the STOP analysis: Using the model developed in Item 1 of the Statement of Work, the expected thermal environment (based on expected orbital thermal profiles) and the expected power dissipation of the laser array (including any electronics within the laser cavity),

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:

- Laser Transmitter Mechanical and optical drawings.
- Laser Transmitter to Optical Bench mechanical Interface Drawing

TASK END DATE: 2/15/01

MILESTONES/DELIVERABLES AND DATES:

1. Delivery of the laser cavity thermal model describing the thermal characteristics of the interfaces specified in the Performance Specifications section: due 4 weeks after task start.
2. Delivery of the laser cavity thermal model describing the thermal interfaces related to the electronic board assemblies: due 1 week after delivery of deliverable #1.
3. Delivery of estimate of the thermal profiles to be used in the STOP analysis: due 3 weeks after delivery of deliverable #2.
4. Technical Progress Report: monthly, 15th of the month

PERFORMANCE STANDARDS:

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

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Oscar Gonzalez, building 23, room S224