

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.		
QSS Group, Inc.	NAS5- 99124	TASK NO. 416	AMENDMENT

Applicable paragraphs from contract Statement of Work:

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

The contractor shall fabricate/assemble and test the driver and receiver electronics for the Multiple Quantum Well Modulator/Receiver Array (MQW) to be delivered to Code 561 by NRL. The electronics will convert a TTL logic signal to appropriate driver voltage for the modulator and convert the photo-current signal from MQW detector into a TTL signal. The contractor shall also develop working drawings of the boards. Additionally four 1553 data bus nodes will be developed in an emulation of free space optical data transmission (FSODT).

PERFORMANCE SPECIFICATIONS:

1. Perform Printed Wiring and/or wire-wrap Board design/layout, fabrication/assembly and documentation using ORCAD or equivalent.
2. 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 Word format via either diskette or email.
3. 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.
4. 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: 9/30/01**MILESTONES/DELIVERABLES AND DATES:**

1. Demonstration and completion of emulation of free space optical data transmission board, using 1 bus controller and one remote terminal of the 1553 data bus: 12/11/2000
2. Completion of two additional remote terminals boards functional under control of bus controller node: 6/1/2001
3. Completion and delivery of as built drawings and specifications for the remote terminal: 9/30/2001
3. Technical Progress Report: monthly, 15th of the month

PERFORMANCE STANDARDS:

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

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

John Rende, building 16W, room N25