

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

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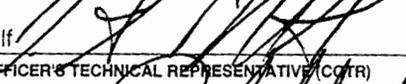
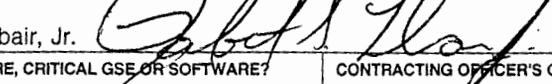
REQUEST FOR TASK PLAN / TASK ORDER

| | | | |
|------------------------|---|-------------------------|-------------------|
| CONTRACTOR | CONTRACT NO./TASK NO. | JOB ORDER NUMBER | APPROP. FY |
| QSS Group, Inc. | NAS5- 99124 348 TASK NO. AMENDMENT | 423-428-35-01-89 | 00 |

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

EDOS System Engineering Analysis

APPROVALS: (Type or print name and sign)

| | | | | |
|--|---|----------|------------------------|--------------|
| ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR) | DATE | ORG CODE | MAIL CODE | PHONE |
| Alan Johns  | 8/18/00 | 423 | 423 | 301-614-5401 |
| BRANCH HEAD | DATE | CODE | | PHONE |
| Steve Metcalf  | 8/18/00 | | 423 | 301-614-5311 |
| CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR) | DATE | CODE | | PHONE |
| Robert S. Lebar, Jr.  | 8/25/00 | | 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 Reqs and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: AUG 30 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 10/1/00.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

| | No. 1 | No. 2 | <u>X</u> 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 \$ 1,353,067.

The target fee of this task order is \$ 24,944.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 1,378,011.

The maximum fee is \$ 36,456.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

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

 9/21/00
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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REQUEST FOR TASK PLAN / TASK ORDER

| CONTRACTOR | CONTRACT NO./TASK NO. | | |
|-----------------|-----------------------|-----------------|-----------|
| QSS Group, Inc. | NAS5- 99124 | TASK NO. 348 | AMENDMENT |

Applicable paragraphs from contract Statement of Work:

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

See page 3.

(Note: This is a follow-on to Task 176; uninterrupted transition is required.)

PERFORMANCE SPECIFICATIONS:

See page 4.

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 9/30/01

MILESTONES/DELIVERABLES AND DATES:

1. System Engineering Analysis Report: due 45 days following request by ATR
2. Test Analysis Report: due within 15 days after test execution
3. CM and DM Reports: due last day of the month
4. PCMB and DRB Minutes and Action Items List: due within 7 days after PCMB and DRB meetings are held
5. DCN Package: due 10 days following request by ATR
6. Technical Progress Report: due monthly on the 15th of the month
7. Prototype System Delivery and Demonstration: as specified by ATR request
8. RTM Database Updated: due within 21 days after updates are received from ATR
9. Updated Requirements Document, ICDs, and IRDs: due 15 days after received from ATR

PERFORMANCE STANDARDS:

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

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Alan Johns, building 32, room E110B

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REQUEST FOR TASK PLAN / TASK ORDER

Contract NAS5-99124

Task #: **348****EDOS System Engineering Analysis****STATEMENT OF WORK:**

The contractor shall provide system engineering services to the EDOS Project and the Mission Systems Project Office of the ESDIS Project. These services include: operations concept development, requirements development and documentation maintenance; test engineering analysis, prototype development, Interface Requirements Document development and documentation maintenance; engineering analysis; system administration; EDOS project CM/DM activities; hardware procurement and installation; and facility management.

Specific Tasks:

- Review and report on the EDOS system, hardware, and software design and system engineering products.
- Provide systems engineering analysis for requirements, interfaces, special studies, and analysis of new tasks.
- Perform hardware and software prototyping for validating concepts and to add specified simulation, data generation, and EDOS capabilities.
- Maintain the RTM Project Requirements database for levels 3 and 4 requirements and associated information.
- Review EDOS hardware documentation and submit technical evaluations for assigned items. Analyze and provide an evaluation of EDOS contractor hardware prototypes.
- Provide test engineering coordination, documentation, analysis, and reporting services. Provide specifications for and generate test data files as assigned. Conduct and direct tests as assigned.
- Provide configuration management (CM) and data management (DM). Support the EDOS PCMB and ESDIS ICWG as required.
- Provide hardware and software system administration services for the EDOS Project Office and Mission Systems equipment in GSFC Building 32.
- Provide technical services for facility, hardware procurement and installations, and security-related tasks.

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REQUEST FOR TASK PLAN / TASK ORDER

Contract NAS5-99124

Task #: **348****PERFORMANCE SPECIFICATIONS:**

1. System engineering analysis: Acceptable performance is that the analysis of requirements, interfaces, and design efforts are accurately performed, completed in a timely manner, and impacts identified.
2. Hardware/software prototyping: Acceptable performance is that the prototyping performed to add specified simulation, data generation, and capabilities is accurate, and is completed according to the negotiated schedule for each specific activity.
3. RTM project requirements database maintenance: Acceptable performance is that the EDOS levels 3 and 4 requirements and associated information is accurate and with minimal errors in the RTM database, and that all updates are completed in a timely fashion.
4. Hardware engineering support: Acceptable performance is that all hardware engineering studies, hardware interface documentation, and hardware prototype evaluations are accurate, are completed in a timely fashion, and contain minimal errors.
5. EDOS Discrepancy Review Board (DRB) Support: Acceptable performance is that all DRB meeting minutes, reports, and database updates are completed in an accurate and timely fashion.
6. Testing Oversight Group (TOG) support: Acceptable performance is that analysis of system test materials is provided in a timely fashion with minimal errors, and that internal/external test schedules are updated and maintained in a timely and accurate fashion.
7. External Engineering Interface Test (EIF) Support: Acceptable performance is that: the interface and test information generated for EIFs is accurate with minimal errors, and that regular attendance and participation in EIF test planning and coordination meetings is provided
8. Documentation and configuration management: Acceptable performance is that the CM process for documentation is accurately performed with minimal errors, that the contents of the EDOS library are complete and accurate. The EDOS PCMB meeting minutes and reports are completed in an accurate and timely fashion, and that the ESDIS EDOS Manager is satisfied with the reports being generated.
9. EDOS software configuration verification: Acceptable performance is that the software verification process is accurately performed for the delivered EDOS software with minimal errors and that the EDOS Manager is satisfied with the reports being generated.
10. Hardware and software system administration support: Acceptable performance is that the ESDIS EDOS Manager is satisfied that the system administration support is being completed accurately with minimal direction and oversight.
11. 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.
12. 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.