S&MA Mission Services
Task Directive

Control No.	ORG No.:	PROJECT SYMBOL:	Contract No.
0084	QS30-F	FLIGHT UF-1	NAS8-00179

Originator's Signature: Joel Anderson	**Date:** 3/15/02	**Originator's Priority:** High
Office Manager's Signature: Chris Cowart	**Date:** 3/15/02	
COTR's Approval:	**Date:** 3-27-02	

Subject: Safety & Mission Assurance support for the flight UF-1 Project

Task Description:

Safety (PWS Section 3.0)

1) Support Product Development Team to assure safety requirements understood and incorporated in design
2) Support development of S&MA Plan
3) Support Milestone Reviews (SRR, PDR, CDR, SRP, etc)
4) Review Safety Data Package/Hazard Analysis
5) Support Safety Review Panels MSFC, JSC, KSC or Range as applicable
6) Support Software Safety for project (Space Station elements only)
7) Evaluate project design changes for safety impacts
8) Review Verification Plans/procedure/closures

R&M (PWS Section 5.0)

1) Support development of S&MA Plan
2) Support Product Development Team to assure reliability requirements are included in design
3) Support Milestone Reviews, (SRR, PDR, CDR, etc)
4) Develop FMEA/CIL/Reliability Assessment for in-house hardware (review FMEA/CIL if not in-house hardware)
5) Support Reliability Review Board for ISS Flight Element Hardware

Quality (PWS Section 6.0)

N/A

Project Assurance (PWS Section 8.0)

1) Participate in the milestone reviews, data reviews, safety reviews and flight readiness or operations
2) Support development of S&MA inputs for flight readiness of Payload hardware
3) Coordinate the HEI S&MA activities with the S&MA project lead to include resource status
4) Coordinate the development of Fault Tree Analysis (FTA) performed by discipline - (if deemed necessary; if not in-house then contractor may perform)
5) Develop S&MA Plan if deemed necessary

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Deliverables:

Safety

1) Safety inputs to the S&MA Plan, engineering changes, Verifications, etc.
2) Safety support to Milestone Reviews (generate Review Item Discrepancies (RIDS))
3) Comments to Safety Data Package

R&M

1) Reliability inputs to S&MA Plan, engineering changes, etc.
2) Reliability review comments to Milestone Review documentation
3) FMEA/CIL or Reliability Assessments as appropriate for various project milestones (if in-house project)

Quality

N/A

Project Assurance

1) Provide periodic status of functional discipline support to project in form of matrix
2) S&MA Plans in conjunction with assigned disciplines (if applicable)
3) Flight Readiness/PAR data as applicable
4) FTAs as applicable

Schedules/Duration:

1) Support schedules as defined by the Project

Resource Estimate:

Report Progress To: *S&MA Project Lead*		Frequency of Report: Weekly