NASA SUSPENDED LOAD OPERATION INTERIM ANALYSIS/APPROVAL

1. OPERATION
Orbiter Transporter System (OTS)Preps for Transport From VAB to OPF
Per TPS OHE-4-17-066

2. REQUESTOR	ORGN.	PHONE	DATE	REQUEST NO.
W.S. Childers	USA 53-11	1-0544	8/6/96	SLO-KSC- 1996-007

3. CONTRACTOR	4. CONTRACT NO.	5. VEHICLE/GSE/EFFECTIVITY FACILITY	6. TIME PERIOD/DURATION
USA	NAS10-10900	OV-104/17 (STS-79) VAB	8/3/96 0120-0130

7. DOCUMENT	8. TITLE	9. ITEM NO.
GP-1098	KSC Ground Operations Safety Plan Vol. 1	Sec. 2.36
NSS/GO-1740.9	NASA Safety Stnd for Lifting Devise & Equip.	Para. 206 (A) (21)

10. REQUIREMENT
GP-1098 - "A load will not be lifted, suspended, or transported over personnel .....

NSS/GO-1740.9 - "Personnel shall not be located under suspended or moving loads unless the operation adheres to the OSHA aproved NASA Alternative Safety Stand. for Suspened load operations."

8.08

11. DESCRIPTION
Two (2) personnel required to access the OTS under the H70-0597 orbiter sling assembly to perform 1) OTS aft jack screw mechanism - 5.5" verification and 2) OTS jacking cylinder isolation valves (19 each) openings. Total time exposed to suspended load was ten (10) minutes.

12. DETAILED RATIONALE
Orbiter was demated from the ET and mated to the OTS ~~for~~ PER OMI S0030. TPS OHE-066 prepped the OTS for bed adjust and transport/spot at the OPF. The orbiter sling assembly was left positioned over the ORB/OTS and thought that any repositioning would still leave ORB/OTS exposed to suspended load. Could not move OTS/ORB without first adjusting bed which required cylinder iso valves open. OMRSD requirement to verify OTS aft screw mechanism is at 5.5" prior to any OTS movement.

13. REMARKS
Operations had been performed prior to this point with personnel working under a suspended load for mate of the orbiter to the OTS as covered by SLO-KSC-1991-002, Rev.A.

14. REQUIRED APPROVAL

CONTRACTOR		NASA	
☐ DESIGNS	☐ R&QA	☐ DESIGNS	☐ R&QA
☐ OPERATIONS	☐ SAFETY	☐ OPERATIONS	☐ SAFETY

15. TYPE OR PRINT NAME	SIGNATURE	ORGN.	DATE
W.S. Childers	W.S. Childers	USA 53-11	8-7-96
C. Estrada NASA Prog Mgr.	Carlos D. Estrada	PZ-A-2	8-7-96
M. Keleman USA Prog. Eng.	Michael D. Keleman	USA 55-42	8/7/96
J. Garcia NASA Eng.	Jose Garcia (GARCIA)	PK-H4	8-8-96
A. M. Stevens	A.M. Stevens	USA-54-21	8/8/96
J. Rudolph	James Rudolph	USA 54-20	8/9/96
M. Glenn	M. Glenn	RT-SRD-2	8/8/96
J. Reynolds	M. Glenn for per telecon	RT	8/8/96

KSC FORM OT-4130 (11/95) (ONE TIME FORM - REPRINT NOT AUTHORIZED)

J. W. JAMBA — John W. Jamba — USA 54-2C — 8/8/96