April 23, 1986

SHUTTLE SERIES FLIGHT DIRECTOR'S PRESENTATION FILES

This subseries consists of a chronological run of presentation charts generated by members of the Flight Director's Office of the Mission Operations Directorate. "Flight Directors are in charge of the flight control team. All decisions regarding the safe and expedient conduct of the flight are the flight director's responsibility. Since the main objective of the STS is to serve STS users, a prime FD responsibility is to accommodate user requirements and objectives whenever possible within safety and resource constraints. The FD has the final authority on time critical decisions affecting flight safety, including situations involving conflicting requirements between STS operations and payload operations" (MOD Orientation Manual, December 15, 1985). These concerns of the flight directors' are apparent in the subjects of the presentations in this subseries. A large number of them deal with safety and risk assessment issues, flight rules, and mission techniques. The material is dated from August 1983 through December 1987 (bulk dates 1986 - 1987).

Inventory				
SubHeading:	Box Number: 1			
	Flight Rules Review	August 12, 1983		
	RECP #R56725, Xenon Rendezvous Light (night time visibility)	January 6, 1984		
	Orbiter Active MMU Rescue (Manned Manuvering Unit)	January 17, 1984		
	Control Mode Network Requirements	January 19, 1984		
	DoD Flight Requirements	February 1, 1984		
	Flight Design / Planning Groundrule	February 29, 1984		
	Control Mode Network Requirements	March 6, 1984		
	Bends Recovery Apparatus	March 15, 1984		
	Flight Rules	March 27, 1984		
	DoD Mission Integration	April 2, 1984		
	Houston Flight Control Team	June 14, 1984		
	Orbit Refueling System, Hydrazine Contamination Status Briefing	June 18, 1984		
	Deorbit Timeline Compression	July 18, 1984		
	Launch Period	August 17, 1984		
	Day 2 Deployment Constraints	November 14, 1984		
	Cirrus Attitude Monitoring	November 26, 1984		
	KSC Weather Rules	November 29, 1984		
	Sixth GPC (General Purpose Computer)	February 12, 1985		
	Rendezvous / Proximity Operations Shuttle Flight Experience	February 19, 1985		
	Phase 1 Training Orientation Briefing, Flight Rules	April 1, 1985		
	Range Safety Negotiation Status	May 31, 1985		
	Space Station Operations	September 13, 1985		
	Flight Operations STS Lessons Learned	October 18, 1985		
	JSC Weather Office, STS Support	December 10, 1985		
	Flight Techniques Development	January 8, 1986		
	Flight Rules Development	January 8, 1986		
	MOD Flight Readiness Certification Process	March 12, 1986		
	Weather Evaluation Set Overview Findings	March 24, 1986		

Space Telescope Deployment Without

RMS

Launch / Abort Reassessment Team	April 24, 1986
TAL Considerations - Landing Deceleration (Transatlantic Abort Landing)	April 30, 1986
Launch / Abort Reassessment	May 5, 1986
Flight Director Office Presentation to Center Director	May 14, 1986
Launch / Abort Reassessment	May 15, 1986
Phase 1 Training Orientation Briefing, Flight Rules	May 16, 1986
Flight Design Flow Evaluation	June 3, 1986
TAL Risk Assessment (Transatlantic Abort Landing)	June 18, 1986
Launch / Abort Reassessment Team	June 24, 1986
Priority Flight Duration	July 9, 1986
Spacelab Data Protection Requirements	August 5, 1986
IUS Generic and STS 61-M(T) Specific Sims	August 5, 1986
Flight Rules and Flight Techniques Integration	August 7, 1986
Star 7 / I-Load Management Strategy Status	August 22, 1986
Launch / Abort Reassessment Team	August 27, 1986
Phase 1 Training Orientation Briefing, Flight Rules	September 3, 1986
STS Systems Failures / Conditions	September 3, 1986
Launch / Abort Reassessment Team	September 10, 1986
Impact of Deleting Dakar	September 12, 1986
TAL Site Weather Equipment Augmentation	September 12, 1986
FRD Pitch (Flight Requirements Document)	September 15, 1986
Launch / Abort Reassessment Team	September 17, 1986
MOD Flight Readiness Certification	September 24, 1986
Payload Structural Design Requirements	September29, 1986
Launch / Abort Reassessment Team, Week of September 17, 1986	October 1, 1986
Transitioning to Operations at SOPC: An Executive Overview (Shuttle Operations Planning Center)	October 9, 1986
Box Number: 2	
GAO Interview on Implementation of Roger's Commission Recommendations - VII Launch Abort	October 28, 1986
Launch / Abort Reassessment Team, Week of October 29, 1986	October 29, 1986
Maintenance Safeguards, What Is It? How Might MOD Be Involved?	November 3, 1986
EOM Weather Alternate (end of mission)	November 7, 1986
SOPC Operations and Management Overview, (Shuttle Operations Planning Center) Transition Timeline / Management Responsibility Transfer	November 12, 1986
PCIN 60186: Marginal Performing Radar Altimeters at Low Altitude and Max Usage	November 12, 1986
SOPC Operations and Management Overview	November 13, 1986

SubHeading:

COAS Calibration I-Loads (optical alignment sight)	November 14, 1986
PCIN 60035: Landing / Deceleration System Capability	November 14, 1986
Launch / Abort Reassessment Team, Week of November 19, 1986	November 18, 1986
Entry Flight Rules	November 19, 1986
SOPC Operations and Management Overview	November 20, 1986
EVA Task Time Requirements	December 2, 1986
Minimum Duration Flight / Next PLS Issues (primary landing site?)	December 3, 1986
EOM Weather Alternate (End of Mission)	December 9, 1986
SOPC Senior Management Council Meeting	December 12, 1986
PCIN 60186: Marginal Performing Radar Altimeters at Low Altitude / Maximum Usage	December 12, 1986
Operations Assessment Team Preliminary Report	December 18, 1986
Proposed SOPC FCR Configuration (flight control room)	December 18, 1986
JSC Roles for Space Station Operations	December 23, 1986
How Did We Get the User Unfriendly Black Eye? (Operations reputation)	December 23, 1986
STS-61M(T) Flight Operations Review Flight Rules Annex	January 29, 1987
Weather Alternate Landing Site for EAFB	January 30, 1987
SSSC Operations and Core System Support (Space Station)	January 8, 1987
Flight Rules and Flight Techniques Processes	January 12, 1987
Prime End-of-Mission Runway - Lakebed vs. Concrete	January 13, 1987
Operations Assessment Team Interim Report	January 23, 1987
NSTS System Integrity Assurance Program Plan (SIAPP) and Program Compliance Assurance and Status System (PCASS) MOD Responsibilities and Approach	January 29, 1987
Strengths and Weaknesses (JSC and Mission Operations)	February 3, 1987
On-Orbit Flight Techniques	February 6, 1987
Spacelab Flight Rules	February 9, 1987
Critical Factors (JSC)	February 10, 1987
High Inclination Missions Without TDRS-E	February 13, 1987
HST Deployment Mission Without TDRS	February 13, 1987
NSTS System Integrity Assurance Program Plan (SIAPP) and Program Compliance Assurance and Status System (PCASS) MOD Responsibilities and Approach	February 13, 1987
Payload EVA Policy and Constraints	February 17, 1987
STS Operations Without TDRS	February 19, 1987
Weather Alternate / Landing Site Priority	February 25, 1987
STS 61-M(T) Integrated SIM	February 27, 1987

Readiness

SubHeading:

Readiness	
STS 61-M(T) and STS-26	March 5, 1987
Shuttle Command System Review	March 11, 1987
STS / Ground Launched Vehicle Encounter Missions	March 25, 1987
Predictive Avoidance Requirements	March 25, 1987
Flight Rules Review	April 8, 1987
STS Personnel Reliability Program	April 8, 1987
Flight Rules and Flight Techniques Processes	April 9, 1987
STS Operational Flight Rules Review	April 15, 1987
Addition of Drag Chute to Orbiter	April 21, 1987
Operations Policy / Orbit Operations	April 22, 1987
Mission Operations Overview	April 24, 1987
ET Low Level Sensors Failing Dry Considerations	April 24, 1987
Strategic Planning Report: National Aerospace Plane (NASP), STS II Crew Emergency Return Vehicle (CERV)	April 1987
Shuttle Command System Review (MOD Safety Assessment)	May 4, 1987
Banjul Configuration - Go / No Go Impact	May 12, 1987
MOD Technical Concerns for STS-26	May 19, 1987
STS / Ground Launched Vehicle Encounter Missions - Preliminary Assessment	June 2, 1987
Mission Director Representative	June 4, 1987
Box Number: 3	
Neutral Particle Beam Fuel Cell and Cryogenic Operational Safety Requirements, Preliminary Assessment	June 8, 1987
TAL Versus RTLS	June 12, 1987
Leaking / Flat Tire Runway Priority	June 12, 1987
In-Plane TAL Site	June 12, 1987
Minimum Duration vs. Full Duration Flight	June 12, 1987
Flight Rules - Special Topics	June 12, 1987
Flight Critical Data Bus (string) Reassignment During Dynamic Phase	June 12, 1987
Phase 1 Training Orientation Briefing Flight Rules	June 19, 1987
In-Plane TAL Site	June 19, 1987
Flight Rules Review Introduction	June 22, 1987
Flight Rules Review	June 22 - July 20, 1987
Flight Rules 1101: Phase 1 Training Orientation Briefing, Flight Rules	June 1987
Key MOD Return to Flight Milestones (STS-26)	July 6, 1987
Range Safety and Controllability	July 8, 1987
Critical Milestones Tracking	July 8, 1987
Landing Site Support for Return to Galileo	July 8, 1987
JSC Support for DoD Payloads	July 10, 1987
Major Work / Decisions	July 17, 1987

MOD Readiness Statement	July 22, 1987
Flight Director Integrated Simulation Training Requirements to Meet Certification	July 22, 1987
Results of July 16, 1987 Range Safety Meeting	July 23, 1987
MOD Return to Flight Integration	July 29, 1987
Special PRCB Rules Actions	August 3, 1987
In-Plane TAL Site	August 5, 1987
STS-C Ascent / Descent Deorbit Team Activities	August 13, 1987
DA8 Management Information System	August 14, 1987
DA8 Database - MOD Program Representative, Change Tracking Application	August 14, 1987
RTLS Versus TAL Priority	August 28, 1987
Command Certification Status	September 2, 1987
Flight Director Office Presentation	September 4, 1987
Overview of Program Plan	September 8, 1987
Flight Director Integrated Simulation Training Requirements	September 16, 1987
DA8 Main Engine Limits Management Strawman	September 17, 1987
Flight Control Team Security Briefing	September 28, 1987
STS Encryption Plan Outline	September 29, 1987
On-Orbit Hold	October 5, 1987
Flight Rules Certification Process	October 7, 1987
Weather Alternate / Landing Site Priority	October 14, 1987
Shuttle Return to Flight - STS-26	October 20, 1987
Flight Operation Preparation / Flight Team Preparation	October 27, 1987
Flight Rules Rebaseline and New Change Process	October 27, 1987
STS Encryption Plan	November 6, 1987
PCIN 40869: Operations Support Validation Test / Simulation	November 18, 1987
CIL Operations Retention Rationale Traceability (Critical Items List)	November 25, 1987
Update on Weather Criteria for Landing	December 1, 1987
Ascent / Entry Phase Restringing	December 3, 1987
Flight Rules Rebaseline Status	December 10, 1987
PCIN 40869: Operations Support Count Validation Test / Simulation	December 18, 1987