

## SHUTTLE SERIES

### MCDONNELL DOUGLAS DOCUMENTS

These documents consist of McDonnell Douglas Shuttle - related reports generated between the years 1965 and 1982. The bulk of the documentation consists of Phase B and Phase B Extension reports and the Phase C/D proposal. The documents are organized in chronological order, ending with undated documents.

#### Inventory

<b>SubHeading:</b>	<b>Box Number: 01</b>	
	Annual Reports	1965 - 1968
	Logistic Spacecraft System Evolving from Gemini, Big G, Midterm Oral Briefing, Report, G894	January 9, 1969
	Logistic Spacecraft System Evolving from Gemini, Big G Final Oral Briefing, Report H322	July 31, 1969
	Logistic Spacecraft System Evolving from Gemini, Big G, Final Report, Vols. VII & VIII, Report H321	August 21, 1969
	Integral Launch and Reentry Vehicle System, Final Oral Presentation, Report MDC E0039	Nov. 4, 1969
<b>SubHeading:</b>	<b>Box Number: 02</b>	
	A Two Stage Fixed Wing Space Transportation System ILRV MSC Oral Briefing, MDC E0051	November 5, 1969
	Integral Launch & Reentry System (ILRV) Contract NAS9-9204, Executive Summary, and Vols. 1-4, Report MDC E0049	November 1969
<b>SubHeading:</b>	<b>Box Number: 03</b>	
	Proposal to Accomplish Phase B Space Shuttle Program, Report MDC E0120	March 30, 1970
	Space Shuttle Low Pressure Auxiliary Propulsion Subsystem Definition, Program Plan Report, MDC E0200	July 15, 1970
	Development of Rigidized, Surface Insulative Thermal Protection System for Shuttle Orbiter Summary Report, Contract NAS9-11221	September 29, 1970
	Space Shuttle Program Phase B Systems Study, Design Data Book, Vol. II Trade Studies, Report MDC E0189, Vol. III Status & Bogies, Vol. IV Methodology	January 5, 1971
	OMSF Design Review, Phase B Systems Study	Jan. 13, 1971
<b>SubHeading:</b>	<b>Box Number: 04</b>	
	Expendable Second Stages for the Reusable Shuttle Booster, Interim Final Report, Vol. I Executive Summary, Vol. II Technical Summary, Phase A Study Results, MDC G0768	January 1971
	Approach to Manufacturing for Phase C/D Space Shuttle Program, Phase B Systems Study, Report MDC E0329	February 18, 1971
	Final Oral Briefing, Development of Rigidized Surface Insulation, Thermal Protection System for Shuttle Orbiter, Report MDC E0312	February 19, 1971
	Final Oral Briefing, Development of a Thermal Protection System for the	February 24, 1971

	Wing of a Space Shuttle Vehicle, Report MDC E0319	
	Report MDC E0308, Part II-1 Technical Summary Draft, Phase B Systems Study Final Report	March 15, 1971
<b>SubHeading:</b>	<b>Box Number: 05</b>	
	Report MDC E0308, Part II-2 Technical Summary, Draft, Phase B Systems Study Final Report	March 15, 1971
	Detailed Mass Properties Report (MP- 8A), Phase B Systems Study	March 15, 1971
	Monthly Management Meeting, Phase B Systems Study	March 25, 1971
	Third Quarterly Review, Phase B Systems Study	March 26, 1971
	Space Shuttle Program Phase B Systems Study Design Data Book, Vol. I - Part 1, Part 2, E0189	April 5, 1971
<b>SubHeading:</b>	<b>Box Number: 06</b>	
	Final Briefing, Nuclear Shuttle Definition Study Phase III, MDC IG2284	April 14, 1971
	Program Review 270 Day Status NASA Headquarters, Phase B Systems Study	April 22, 1971
	Chemical Interorbital Shuttle Capability Study, Final Report, Vol. I - Summary	April 1971
	Orbiter External Hydrogen Tank Presentation MSFC, Phase B Systems Study, 3rd Status	May 27, 1971
	MDC E0308, Phase B System Study Final Report, Part 1, Executive Summary	June 30, 1971
	MDC E0308 Phase B System Study Final Report Part II - 1, Technical Summary, Shuttle System	June 30, 1971
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	MDC E0308 Phase B System Study Final Report Part II - 3 Technical Summary Booster Appendix A	June 30, 1971
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	MDC E0308 Phase B System Study Final Report, Part III - 2 Program Acquisition Plans, Engineering and Development	June 30, 1971
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	Study Final Report, Part III - 5(A) Program Acquisition Plans, Test	
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	E0419, Phase B System Study Final Report, Phase C/D Baseline Schedules	June 30, 1971
	DP256A100, CEI Development Specifications, Booster	June 30, 1971

	DP255A200, CEI Development Specifications, Orbiter	June 30, 1971
	GS255D400 GSE General Specification	June 30, 1971
	IF255G600, Interface Control Document Booster / Orbiter	June 30, 1971
	IF255G700, Interface Control Document, Orbiter / Payload	June 30, 1971
	IF255G800, Interface Control Document Space Shuttle / Launch Facilities	June 30, 1971
	SS255H001 System Specification	June 30, 1971
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	Avionics Final Presentation, Phase B Systems Study	July 7, 1971
	Configuration Evaluation Committee	July 8, 1971
	Phase B System Study Final Oral Presentation, Manned Space Flight Center	July 13, 1971
	Space Shuttle Program Phase B Extension Review, Manned Space Craft Center	July 29, 1971
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	Program Review Systems Phase B Systems Study	August 20, 1971
	Program Review Summary and Conclusions, Supplementary Data, Phase B Systems Study	August 20, 1971
	Space Shuttle System Phase B Extension Program Review	August 20, 1971
	Revision A for Space Shuttle Program Review Handouts (20 Aug. 71)	August 23, 1971
	Space Shuttle, OMSF Mid Term Review	September 1, 1971
	Interim Report to OMSF, Phase B Systems Study Extension	September 1, 1971
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	MDC E0468 Interim Report, Phase B Systems Study Extension	September 10, 1971
	Space Shuttle Orbiter, Baseline Discussion	October 21, 1971
	Space Shuttle Booster Review	October 27, 1971
	Phase B Extension Final Presentation Alternate Avionics System Study	October 28, 1971
	Phase B Extension Solid Rocket Motor Interim Booster Concepts, Final Report, Part II, Design Note B-W-TI-10	October 1971
	External Tank Study Briefing Charts	November 1, 1971
<b>SubHeading:</b>	<b>Box Number: 19</b>	
	Phase B Extension OMSF Design Review	November 3, 1971
	Space Shuttle Program Technical Integration Design Note I-EAST-TI-35, Identical Vehicle Concept, NAS8-26016	November 5, 1971
	Phase B Extension Study Plan Report MDC EO493	November 8, 1971
	Reusable Surface Insulation Thermal Protection Development for Shuttle, NAS9-12082, Mid Term Oral Report	November 11, 1971
	Phase B Extension Final Report, MDC EO497	November 15, 1971
	Space Shuttle Program Technical	November 1971

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Phase kB Extension Report, MDC E0519, Test Plan

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Phase B Extension OMS Design Review

December 15, 1971

A Study to Determine Costs of Solid Rocket Motor Boosted S-IVB Stages (4 volumes) MDC G2805

December 1971

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1971 Annual Report

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Rigidized Surface Insulation TPS

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Phase B Extension MP-2E, Mass Properties Status Report

January 10, 1972

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January 27, 1972

Space Tug Point Design Study MDC G2793, Final Presentation

January 1972

Phase B Extension MP-2E Mass Properties Status Report

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Phase B Extension, MSFC Design Review

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Phase B Extension MSC Design Review

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Avionics Review to NASA Avionics Committee MSC Houston

February 17, 1972

Phase B Extension OMSF Design Review

February 22, 1972

Phase B Extension MDC E0558, Final Report, Parts I-III

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Phase B Extension MDC E0558 Final Report, Parts IV & VI

March 15, 1972

Phase B Extension II MDC E0568, Avionics Final Report

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RSI - TPS Final Oral Report, Reusable Surface Insulation, Thermal Protection Development for Shuttle

March 16, 1972

Reusable Surface Insulation (RSI) Thermal Protection Development for Shuttle, Final Report (NAS9-12082) vol. II, MDC E0557, Design Methodology

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Space Shuttle Orbiter Fiscal Bulletin E015-6.5

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	Presentation E0600	
	Space Shuttle Program Proposal Best & Final Offer E0600-1	June 14, 1972
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	Reusable Surface Insulation (RSI) Thermal Protection Development for Shuttle Addendum to Final Report, MDC E0557	June 23, 1972
	Delta / Shuttle Integration Study Final Presentation NAS3-15838, MDC G4026	January 18, 1973
	Delta / Shuttle Integration Study Final Report, Volume II Technical Analysis, MDC G4052, NAS3-15838	March 1973
	SOAR II MDC G4494, Final Briefing, Shuttle Orbital Applications and Requirements Follow On	April 1973
	Data Correlation and Analysis of ARC Tunnel and Wind Tunnel Tests of RSI Joints and Gaps, Final Report, MDC E1003, JSC 09003, Volume 1, Technical Report	January 29, 1974
<b>SubHeading:</b>	<b>Box Number: 29</b>	
	Data Correlation and Analysis of ARC Tunnel and Wind Tunnel Tests of RSI Joints & Gaps Vol. 2 - Data Base, MDC E1003, JSC 09003	January 29, 1974
	Space Shuttle Engineering and Operations Support, NAS9-13970, Task Order No. B0203, Shuttle Tracking and Communication Support Antenna and Propagation Evaluation Design Note 1.2-DN-B0203-001	January 1975
	Space Shuttle Engineering and Operations Support, 1.2-DN-B0105-09, Contingency Abort - Loss of Thrust from 2 or 3 SSME, Engineering Systems Analysis	June 1975
	Application of Shuttle EVA Systems to Payloads, Volume 1: EVA Systems and Operational Modes Description, MDC W0014	June 2, 1976
	Application of Shuttle EVA Systems to Payloads, Vol. II Payload EVA Task Completion Plans, Report MDC W0014, NAS9-14678	June 2, 1976
<b>SubHeading:</b>	<b>Box Number: 30</b>	
	APS Program EAC Review	July 22, 1976
	Lightning Tests of Space Shuttle Orbiter Outer Panel Severance System, Phase I, MDC E1568	September 9, 1976
	Space Shuttle Assessment	February 1978
	Space Shuttle Hydraulic System Assessment	June 23, 1978
	Space Shuttle Hydraulic System Assessment	July 11, 1978
	Space Shuttle Hydraulic Systems Assessment, Report MDC J4610	August 11, 1978
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	PAM-D Payload Assist Module - Delta Class Safety Baseline Document, Flight Systems, MDC G9967	March 1982
	PAM - Commercial Upper Stages for Space Access, MDAC Paper G8920	August 1982
	Space Shuttle, to Achieve Space Benefits at Low Cost	n.d.
	Coated Columbium Background and Reuse	n.d.