COMPONENT, DUPLICATECOMPONENTS, COST, and RMA ATTRIBUTES REPORT

February 26, 1998

9:55:55 am

Prepared By:

System User

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Percent of Technology and Equipment 4 Technology Type 5 Equipment Type 5 Percent of Technology and Equipment 5 SLOC, Source Lines of Code Percent of Memory Utilization Percent of Processor Utilization Language Percent New Code Mathematics (1) String Manipulation (2) Store and Retrieve (4) Online Communications (6) Real Time (8) Operating System or Interactive (10) User Defined Type (value below) Design Difficulty Value for User Defined Project Unique ID	Technology Type 4					
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Real Time (8) Operating System or Interactive (10) User Defined Type (value below) Design Difficulty Value for User Defined Project Unique ID						
Operating System or Interactive (10) User Defined Type (value below) Design Difficulty Value for User Defined Project Unique ID						
User Defined Type (value below) Design Difficulty Value for User Defined Project Unique ID						
Design Difficulty Value for User Defined Project Unique ID						
	Design Difficulty Value for User Defined					
Title Benchmark 1 SAR						
	Title	Benchmark 1 SAR				

TABLE 2 Component: 1.1 Data I/O Assembly

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
	12 October 1994	Creation Date	1 July 1995	Creation Date	7 July 1995
Modification Date		Modification Date		Modification Date	21 November 1996
Modification Time	8:49:48 am		1996	Modification Time	12:37:03 pm
Number	1.1	Modification Time	12:34:52 am	Number	1.1
Abbreviation		Number	1.1	Abbreviation	
Component Type		Abbreviation		Allow RMA Quantity	Yes
Component Sub Type	-		DOLLARS	Request	
	Assembly	Purchased Item		Availability predicted	
SW, Percent of Processor Utilization		Development (budgeted)		Reliability predicted	0.999996
Design Source		Development (predicted)		MTBCF, budgeted (hrs)	
Percent New Design	N 7	Development Sensitivity		MTBCF, predicted (hrs)	
Duplicate - Used in other assemblies		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	10000.0
Quantity in Next Higher Assembly		Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Quantity Requested for RMA (automatic entry)		Unit Production (budgeted)		MTBF Optimization Criteria	10000 0
Qty Reqd for Operation (Enter Only to Indicate	1	Unit Production (predicted)		MTBF, predicted (hrs)	10000.0
Redundancy)	Onenational Off Line	Total Production Quantity		Method used for MTBF	
Reduildancy Mode	Operational, Off Line	Production (budgeted) Production (prodicted)		predicted	No
Length, budgeted (ft)	replacement	Production (predicted) Production Cost Sensitivity		LRU, Line Replaceable Unit Maintenance Procedure	110
Length, budgeted (It) Length, predicted (ft)	0.323	Operational (budgeted)		Maintenance Procedure Maintenance Concept	
Width, budgeted (ft)	0 125	Operational (budgeted) Operational (predicted)		Requested for Costing	
Width, predicted (ft)	0.120	Operational Cost Sensitivity		Maintenance Concept Used	
Depth, budgeted (ft)	0.767	Support (budgeted)		for Costing	
Depth, budgeted (ft) Depth, predicted (ft)	0.707	Support (budgeted) Support (predicted)		MTTR, line, budgeted (hrs)	
Volume Sensitivity		Support Cost Sensitivity		MTTR, line, predicted (hrs)	0 05009
Weight, budgeted (lbs)	40	Title			THESE MTTR
Weight, predicted (lbs)	4.0	The			VALUES ARE
Weight Sensitivity					POPULATED BY
Power(avg), budgeted (watts)	30.0				MSI FOR USE BY
Power(avg), predicted (watts)					PRICE
Power(max), budgeted (watts)				MTTR LRU ORG (Tf)	
Power(max), predicted (watts)				MTTR Module ORG (Tmo)	
Power Sensitivity				MTTR LRU IL (Ti)	
Technology Maturity	Leading Edge			MTTR Module IL (Tmi)	
Technology Type 1				MTTR LRU Depot (Td)	
Equipment Type 1				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 1				Project Unique ID	
Technology Type 2				Title	
Equipment Type 2					
Percent of Technology and Equipment 2					
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization Percent of Processor Utilization					
Language Percent New Code					
Mathematics (1)					
String Manipulation (2)					
String Manipulation (2) Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
, , , , , , , , , , , , , , , , , , ,	Data I/O Module				
Title	Data I/O Moutile				

TABLE 3 Component: 1.1.1 Data I/O Module

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	1 July 1995	Creation Date	1 July 1995	Creation Date	7 July 1995
Modification Date	25 July 1997	Modification Date	5 March	Modification Date	31 July 1997
Modification Time	•		1996	Modification Time	
Number		Modification Time		Number	-
Abbreviation	1.1.1	Number	-	Abbreviation	1,1,1
	HW Flomont		1.1.1		No
Component Type		Abbreviation	DOLLADO	Allow RMA Quantity	NO
Component Sub Type	Board	COST UNIT		Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	0.0
Design Source		Development (budgeted)		Reliability predicted	
Percent New Design	75	Development (predicted)	390755	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly	1	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	30000.0
uantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)	5245.0	Optimized MTBF (hrs)	
y Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)	4573.0	MTBF, predicted (hrs)	30000.0
Redundancy Mode		Total Production Quantity		Method used for MTBF	2000010
Length, budgeted (ft)	0.525		1000.0	predicted	
	0.525	Production (budgeted)	57011/7	1	V
Length, predicted (ft)	0.0/25	Production (predicted)	5/2110/	LRU, Line Replaceable Unit	1 68
Width, budgeted (ft)	0.0625	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)	0.767	Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	Replace mods at
Volume Sensitivity		Support (budgeted)		for Costing	EQP. Scrap bad
Weight, budgeted (lbs)	1.5	Support (predicted)	2240123	C C	mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight Sensitivity		Title		MTTR, line, predicted (hrs)	
Power(avg), budgeted (watts)	15.0	The		1 · · ·	THESE MTTR
	15.0				
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED B
Power(max), predicted (watts)					MSI FOR USE B
Power Sensitivity					PRICE
Technology Maturity	State of the Art			MTTR LRU ORG (Tf)	
Technology Type 1	VLSI			MTTR Module ORG (Tmo)	
Equipment Type 1	Digital			MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1				MTTR Module IL (Tmi)	
Technology Type 2				MTTR LRU Depot (Td)	
Equipment Type 2				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2				Project Unique ID	
				v 1	
Technology Type 3				Title	
Equipment Type 3					
Percent of Technology and Equipment 3	5				
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
	Data I/O Module			i i i i i i i i i i i i i i i i i i i	

TABLE 4 Component: 1.1.2 Fiber Optic Interface

COMPONENT		COST		RMA	
Author	System User		System User		System User
Creation Date	1 July 1995	Creation Date	1 July 1995	Creation Date	7 July 1995
Modification Date		Modification Date	5 March	Modification Date	
Modification Time			1996	Modification Time	12:17:32 pm
Number	1.1.2	Modification Time	-	Number	1.1.2
Abbreviation		Number	1.1.2	Abbreviation	
Component Type		Abbreviation		Allow RMA Quantity	No
Component Sub Type	Board	COST UNIT		Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	
Design Source	COTS	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)		MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly	1	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	30000.0
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
ty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	30000.0
Redundancy Mode		Total Production Quantity		Method used for MTBF	
Length, budgeted (ft)	0.417	Production (budgeted)		predicted	
Length, predicted (ft)		Production (predicted)		LRU, Line Replaceable Unit	Yes
Width, budgeted (ft)	0.0625	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)	0.3125	Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	-
Volume Sensitivity		Support (budgeted)		for Costing	EQP. Scrap bad
Weight, budgeted (lbs)	0.6	Support (predicted)			mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight Sensitivity		Title		MTTR, line, predicted (hrs)	
Power(avg), budgeted (watts)	10.0			*	THESE MTTR
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED BY
Power(max), predicted (watts)					MSI FOR USE BY
Power Sensitivity					PRICE
Technology Maturity				MTTR LRU ORG (Tf)	
Technology Type 1				MTTR Module ORG (Tmo)	
Equipment Type 1				MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1				MTTR Module IL (Tmi)	
Technology Type 2				MTTR LRU Depot (Td)	
	Analog RF/Video			MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2	50			Project Unique ID	
Technology Type 3				Title	
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5 Percent of Technology and Equipment 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language Percent New Code					
Mathematics (1)					
String Manipulation (2)					
String Manipulation (2) Store and Retrieve (4)					
Online Communications (6) Real Time (8)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined Project Unique ID					
Project Unique ID					
Title					

TABLE 5 Component: 1.1.3 FIR Daughter Card

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	12 July 1995	Creation Date	12 July 1995	Creation Date	12 July 1995
Modification Date	7 November 1996	Modification Date	5 March	Modification Date	18 October 1996
Modification Time	6:10:46 pm		1996	Modification Time	12:17:55 pm
Number	1.1.3	Modification Time	9:32:14 pm	Number	1.1.3
Abbreviation		Number	1.1.3	Abbreviation	
Component Type	HW Element	Abbreviation		Allow RMA Quantity	No
Component Sub Type	Board	COST UNIT	DOLLARS	Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	
Design Source	New	Development (budgeted)		Reliability predicted	
Percent New Design	75	Development (predicted)	152763	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly	1	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	30000.0
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)	1590.0	Optimized MTBF (hrs)	
ty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)	1367.0	MTBF, predicted (hrs)	30000.0
Redundancy Mode		Total Production Quantity	1000.0	Method used for MTBF	
Length, budgeted (ft)	0.417	Production (budgeted)		predicted	
Length, predicted (ft)		Production (predicted)	1739360	LRU, Line Replaceable Unit	Yes
Width, budgeted (ft)	0.0625	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)	0.3125	Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	Replace mods at
Volume Sensitivity		Support (budgeted)			EQP. Scrap bad
Weight, budgeted (lbs)	0.5	Support (predicted)	1143430	C	mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight Sensitivity		Title		MTTR, line, predicted (hrs)	
Power(avg), budgeted (watts)	5.0			*	THESE MTTR
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED BY
Power(max), predicted (watts)					MSI FOR USE BY
Power Sensitivity					PRICE
Technology Maturity	Leading Edge			MTTR LRU ORG (Tf)	
Technology Type 1	VLSI			MTTR Module ORG (Tmo)	
Equipment Type 1	Digital			MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1	75			MTTR Module IL (Tmi)	
Technology Type 2	LSI			MTTR LRU Depot (Td)	
Equipment Type 2	Digital			MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2	20			Project Unique ID	
Technology Type 3	SSIC			Title	
Equipment Type 3					
Percent of Technology and Equipment 3	5				
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					

TABLE 6 Component: 1.2 Processing Element Assembly

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	11 October 1994	Creation Date	1 July 1995	Creation Date	7 July 1995
Modification Date	8 November 1996	Modification Date	5 March	Modification Date	31 July 1997
Modification Time	11:43:22 pm		1996	Modification Time	4:19:03 pm
Number	1.2	Modification Time	-	Number	1.2
Abbreviation		Number	1.2	Abbreviation	
Component Type		Abbreviation	DOLLADO	Allow RMA Quantity	Yes
Component Sub Type	-	COST UNIT	DOLLARS	Request	0.00/010
SW, Percent of Processor Utilization	Assembly	Purchased Item Development (budgeted)		Availability predicted Reliability predicted	
Design Source		Development (predicted)	678498	MTBCF, budgeted (hrs)	0.334010
Percent New Design		Development Sensitivity	070420	MTBCF, predicted (hrs)	3333.33
Duplicate - Used in other assemblies	No	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (predicted)	30403.0	Optimized MTBF (hrs)	
Quantity Requested for RMA (automatic entry)	5	Unit Production (budgeted)		MTBF Optimization Criteria	
Qty Reqd for Operation (Enter Only to Indicate	5	Unit Production (predicted)		MTBF, predicted (hrs)	16666.7
Redundancy)		Total Production Quantity	2500.0	Method used for MTBF	
Redundancy Mode	Operational, Off Line	Production (budgeted)		predicted	
	replacement	Production (predicted)	80416125	LRU, Line Replaceable Unit	No
Length, budgeted (ft)	0.525	Production Cost Sensitivity		Maintenance Procedure	
Length, predicted (ft) Width budgeted (ft)	0.0625	Operational (budgeted)		Maintenance Concept Requested for Costing	
Width, budgeted (ft) Width, predicted (ft)	0.0025	Operational (predicted) Operational Cost Sensitivity		Requested for Costing Maintenance Concept Used	
Depth, budgeted (ft)	0.767	Support (budgeted)		for Costing	
Depth, budgeted (ft) Depth, predicted (ft)		Support (budgeted) Support (predicted)	31408847	MTTR, line, budgeted (hrs)	
Volume Sensitivity		Support Cost Sensitivity	0110001/	MTTR, line, predicted (hrs)	20.0601
Weight, budgeted (lbs)	1.875	Title		÷ · ·	THESE MTTR
Weight, predicted (lbs)					VALUES ARE
Weight Sensitivity					POPULATED BY
Power(avg), budgeted (watts)	28.0				MSI FOR USE BY
Power(avg), predicted (watts)					PRICE
Power(max), budgeted (watts)				MTTR LRU ORG (Tf)	
Power(max), predicted (watts)				MTTR Module ORG (Tmo)	
Power Sensitivity Technology Maturity	Matura			MTTR LRU IL (Ti) MTTR Module IL (Tmi)	
Technology Type 1	Mature			MTTR LRU Depot (Td)	
Equipment Type 1				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 1				Project Unique ID	
Technology Type 2				Title	
Equipment Type 2					
Percent of Technology and Equipment 2					
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4 Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1) String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title	Processing Element				
	Assembly			1	

TABLE 7 Component: 1.2.1 PE Motherboard

COMPONENT		COST		RMA	
	System User		System User		System User
Creation Date	•	Creation Date	v	Creation Date	•
Modification Date		Modification Date		Modification Date	
Modification Time	-		1996	Modification Time	-
Number	1.2.1	Modification Time	-	Number	1.2.1
Abbreviation		Number		Abbreviation	
Component Type		Abbreviation		Allow RMA Quantity	No
Component Sub Type	Board	COST UNIT		Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	
Design Source	COTS	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)		MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly	1	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	50000.0
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	50000.0
Redundancy Mode	0.505	Total Production Quantity		Method used for MTBF	
Length, budgeted (ft)	0.525	Production (budgeted)		predicted	¥7
Length, predicted (ft)	0.0/25	Production (predicted)		LRU, Line Replaceable Unit	res
Width, budgeted (ft)	0.0625	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)	0.7/7	Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)	U./0/	Operational (predicted)		Requested for Costing	Daula a la f
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	-
Volume Sensitivity	1.0	Support (budgeted)		for Costing	EQP. Scrap bad
Weight, budgeted (lbs)	1.0	Support (predicted)			mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight Sensitivity	9.0	Title		MTTR, line, predicted (hrs)	THESE MTTD
Power(avg), budgeted (watts)	0.0				THESE MTTR
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED BY
Power(max), predicted (watts)					MSI FOR USE BY PRICE
Power Sensitivity Technology Maturity	Matura			MTTP I PU OPC (Tf)	PRICE
Technology Type 1				MTTR LRU ORG (Tf) MTTR Module ORG (Tmo)	
Equipment Type 1				MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1				MTTR Module IL (Tmi)	
Technology Type 2	100			MTTR LRU Depot (Td)	
Equipment Type 2				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2				Project Unique ID	
Technology Type 3				Title	
Equipment Type 3				The	
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title					

TABLE 8 Component: 1.2.2 PE Daughterboard

COMPONENT		COST		RMA	
	System User		System User		System User
Creation Date	•	Creation Date		Creation Date	•
Modification Date		Modification Date		Modification Date	
Modification Time			1996	Modification Time	
Number	1.2.2	Modification Time	-	Number	1.2.2
Abbreviation	IIII Flam and	Number	1.2.2	Abbreviation	N-
Component Type		Abbreviation	DOLTADE	Allow RMA Quantity	NO
Component Sub Type SW, Percent of Processor Utilization	Doaru	COST UNIT Purchased Item		Request Availability predicted	
Design Source	COTS	Development (budgeted)	11000.0	Reliability predicted	
Percent New Design	0015	Development (predicted)	110000	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development Sensitivity	110000	MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	50000.0
Quantity Requested for RMA (automatic entry)	-	Amortized Unit Production (predicted)	11000.0	Optimized MTBF (hrs)	200000
ty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)	11000.0	MTBF, predicted (hrs)	50000.0
Redundancy Mode		Total Production Quantity		Method used for MTBF	
Length, budgeted (ft)	0.454	Production (budgeted)		predicted	
Length, predicted (ft)		Production (predicted)		LRU, Line Replaceable Unit	Yes
Width, budgeted (ft)	0.0625	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)	0.358	Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	-
Volume Sensitivity		Support (budgeted)		for Costing	EQP. Scrap bad
Weight, budgeted (lbs)	0.4	Support (predicted)	23245231		mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight Sensitivity		Title		MTTR, line, predicted (hrs)	
Power(avg), budgeted (watts)	10.0			*	THESE MTTR
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED BY
Power(max), predicted (watts)					MSI FOR USE BY
Power Sensitivity	Matura			MTTRIDUORC (TA	PRICE
Technology Maturity Technology Type 1				MTTR LRU ORG (Tf) MTTR Module ORG (Tmo)	
Equipment Type 1				MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1				MTTR Module IL (Tmi)	
Technology Type 2	200			MTTR LRU Depot (Td)	
Equipment Type 2				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2				Project Unique ID	
Technology Type 3				Title	
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title				1	

TABLE 9 Component: 1.2.3 Signal Processing Firmware

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
	18 October 1994	Creation Date	•	Creation Date	•
Modification Date	16 October 1996	Modification Date	•	Modification Date	•
Modification Time			1996	Modification Time	
Number	•	Modification Time		Number	-
Abbreviation		Number		Abbreviation	
Component Type	FWCI	Abbreviation		Allow RMA Quantity	
Component Sub Type		COST UNIT	DOLLARS	Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	
Design Source		Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)	455555	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (budgeted)		Optimized MTBF (hrs)	
ty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	1 009
Redundancy Mode		Total Production Quantity		Method used for MTBF	1.009
Length, budgeted (ft)		Production (budgeted)		predicted	
Length, predicted (ft)		Production (budgeted) Production (predicted)	0	LRU, Line Replaceable Unit	
Width, budgeted (ft)		Production Cost Sensitivity	U	Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Procedure Maintenance Concept	
		1 0		1	
Depth, budgeted (ft)		Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity		Support (budgeted)	1020152	for Costing	
Weight, budgeted (lbs)		Support (predicted)	1828152	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, predicted (hrs)	
Weight Sensitivity		Title		*	THESE MTTR
Power(avg), budgeted (watts)					VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE B
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	
Technology Maturity	Leading Edge			MTTR Module ORG (Tmo)	
Technology Type 1				MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code	2400				
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)	100				
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
5 1	Signal Processing				
The	Firmware				

TABLE 10 Component: 1.3 Host Interface Assembly

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	4 March 1996	Creation Date	4 March	Creation Date	4 March 1996
Modification Date	17 October 1996		1996	Modification Date	18 October 1996
Modification Time	9:53:31 pm	Modification Date	5 March	Modification Time	12:18:10 pm
Number	1.3		1996	Number	1.3
Abbreviation		Modification Time	9:33:32 pm	Abbreviation	
Component Type	Subsystem	Number	1.3	Allow RMA Quantity	No
Component Sub Type	Board	Abbreviation		Request	
SW, Percent of Processor Utilization		COST UNIT	DOLLARS	Availability predicted	0.999987
Design Source		Purchased Item		Reliability predicted	0.999733
Percent New Design		Development (budgeted)		MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development (predicted)	534193	MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly	1	Development Sensitivity		MTBF, budgeted (hrs)	75000.0
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (budgeted)		Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate		Amortized Unit Production (predicted)	5520.0	MTBF Optimization Criteria	
Redundancy)		Unit Production (budgeted)		MTBF, predicted (hrs)	75000.0
Redundancy Mode		Unit Production (predicted)		Method used for MTBF	
Length, budgeted (ft)	0.525	Total Production Quantity	500.0	predicted	
Length, predicted (ft)		Production (budgeted)		LRU, Line Replaceable Unit	Yes
Width, budgeted (ft)	0.0625	Production (predicted)	3041657	Maintenance Procedure	
Width, predicted (ft)		Production Cost Sensitivity		Maintenance Concept	
Depth, budgeted (ft)	0.767	Operational (budgeted)		Requested for Costing	
Depth, predicted (ft)		Operational (predicted)		Maintenance Concept Used	
Volume Sensitivity		Operational Cost Sensitivity		for Costing	
Weight, budgeted (lbs)	1.8	Support (budgeted)		MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support (predicted)		MTTR, line, predicted (hrs)	
Weight Sensitivity		Support Cost Sensitivity		*	THESE MTTR
Power(avg), budgeted (watts)	20.0	Title			VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	
Technology Maturity	Mature			MTTR Module ORG (Tmo)	
Technology Type 1				MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
· · ·	Host Interface				

TABLE 11 Component: 1.3.1 Host Interface Module

COMPONENT		COST		RMA	
	System User	Author	System User	Author	System User
	11 October 1994	Creation Date		Creation Date	7 July 1995
	2 November 1996	Modification Date		Modification Date	
Modification Time	-		1996	Modification Time	-
Number	1.3.1	Modification Time	-	Number	1.3.1
Abbreviation		Number	1.3.1	Abbreviation	
Component Type		Abbreviation		Allow RMA Quantity	Yes
Component Sub Type	Board	COST UNIT		Request	
SW, Percent of Processor Utilization	~~~~~	Purchased Item	4995.0	Availability predicted	
Design Source	COTS	Development (budgeted)		Reliability predicted	0.999733
Percent New Design		Development (predicted)	4995	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)	4005.0	MTBF, budgeted (hrs)	75000.0
Quantity Requested for RMA (automatic entry)	1	Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	75000 0
Redundancy) Redundancy Mode	Operational, Off Line	Unit Production (predicted)		MTBF, predicted (hrs) Method used for MTBF	/5000.0
Reduitdancy Mode	replacement	Total Production Quantity Production (budgeted)			
Langth hudgeted (ft)	•	Production (predicted)		predicted	Vac
Length, budgeted (ft) Length, predicted (ft)	0.545	Production (predicted) Production Cost Sensitivity	2110101	LRU, Line Replaceable Unit Maintenance Procedure	103
Width, budgeted (ft)	0.0625	Operational (budgeted)		Maintenance Procedure Maintenance Concept	Discard I RU at
Width, predicted (ft)	0.0023	Operational (predicted)		Requested for Costing	
Depth, budgeted (ft)	0.767	Operational Cost Sensitivity		Maintenance Concept Used	
Depth, predicted (ft)	0.707	Support (budgeted)			EQP. Scrap bad
Volume Sensitivity		Support (predicted)	155233	for costing	mods.
Weight, budgeted (lbs)	1.8	Support Cost Sensitivity	100200	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)	10	Title		MTTR, line, predicted (hrs)	
Weight Sensitivity					THESE MTTR
Power(avg), budgeted (watts)	20.0				VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	
Technology Maturity	Mature			MTTR Module ORG (Tmo)	
Technology Type 1	VLSI			MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1	100			MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5 SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Memory Utilization Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
String Wainputation (2) Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Protect Unique ID					
Project Unique ID Title	Host Interface				

TABLE 12 Component: 1.3.2 Command Program

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	11 October 1994	Creation Date	1 July 1995	Creation Date	12 July 1995
Modification Date	2 November 1996	Modification Date	18 October	Modification Date	18 October 1996
Modification Time	11:08:51 pm		1996	Modification Time	12:16:16 pm
Number	1.3.2	Modification Time	11:31:30 am	Number	1.3.2
Abbreviation		Number	1.3.2	Abbreviation	
Component Type	FWCI	Abbreviation		Allow RMA Quantity	
Component Sub Type		COST UNIT	DOLLARS	Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	1.0
Design Source	New	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)	442269	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development Sensitivity		MTBCF, predicted (hrs)	2.0e31
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (budgeted)	0.0	Optimized MTBF (hrs)	
by Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)	0.0	MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)	0.0	MTBF, predicted (hrs)	1.0.0
Redundancy Mode		Total Production Quantity		Method used for MTBF	1.009
			500.0		
Length, budgeted (ft)		Production (budgeted)	0	predicted	
Length, predicted (ft)		Production (predicted)	V	LRU, Line Replaceable Unit	
Width, budgeted (ft)		Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)		Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity		Support (budgeted)		for Costing	
Weight, budgeted (lbs)		Support (predicted)	955881	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, predicted (hrs)	0.0
Weight Sensitivity		Title		*	THESE MTTR
Power(avg), budgeted (watts)					VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE B
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	INCL
Technology Maturity	Loading Edgo			MTTR Module ORG (Tmo)	
Technology Type 1	Leauning Luge			MTTR LRU IL (Ti)	
Equipment Type 1					
Percent of Technology and Equipment 1				MTTR Module IL (Tmi) MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code	3500				
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)	100				
String Manipulation (2)					
U 1					
Store and Retrieve (4)					
Online Communications (6)					
Deal Time (9)					
Real Time (8)				1	
Operating System or Interactive (10)					
Operating System or Interactive (10) User Defined Type (value below)					
Operating System or Interactive (10)					
Operating System or Interactive (10) User Defined Type (value below)					

TABLE 13 Component: 1.3.2.1 Initialization Program

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	2 July 1995	Creation Date	2 July 1995	Creation Date	•
Modification Date		Modification Date		Modification Date	
Modification Time	9:54:55 pm		1996	Modification Time	
Number	1.3.2.1	Modification Time		Number	1.3.2.1
Abbreviation		Number	1.3.2.1	Abbreviation	
Component Type		Abbreviation	DOLLADO	Allow RMA Quantity	No
Component Sub Type	n/a	COST UNIT	DOLLARS	Request	1.0
SW, Percent of Processor Utilization	N	Purchased Item		Availability predicted	
Design Source		Development (budgeted)	177(11	Reliability predicted	1.0
Percent New Design Duplicate - Used in other assemblies		Development (predicted)	1//011	MTBCF, budgeted (hrs) MTBCF, predicted (hrs)	2.0-21
Quantity in Next Higher Assembly		Development Sensitivity Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	2.0631
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (budgeted) Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Quality Requested for KMA (automatic entry) Qty Reqd for Operation (Enter Only to Indicate	1	Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	1.0e9
Redundancy Mode		Total Production Quantity		Method used for MTBF	1.005
Length, budgeted (ft)		Production (budgeted)		predicted	
Length, predicted (ft)		Production (predicted)	0	LRU, Line Replaceable Unit	
Width, budgeted (ft)		Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)		Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity		Support (budgeted)		for Costing	
Weight, budgeted (lbs)		Support (predicted)	382821	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, predicted (hrs)	
Weight Sensitivity		Title		*	THESE MTTR
Power(avg), budgeted (watts)					VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)				MTTP I DU ODC (TA	PRICE
Power Sensitivity	Matura			MTTR LRU ORG (Tf)	
Technology Maturity Technology Type 1	Mature			MTTR Module ORG (Tmo) MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5 SLOC, Source Lines of Code	1400				
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)	100				
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title					

TABLE 14 Component: 1.3.3.2 Control Program

COMPONENT		COST		RMA	
	System User		System User		System User
Creation Date	•	Creation Date	•	Creation Date	•
Modification Date		Modification Date		Modification Date	
Modification Time	-		1996	Modification Time	•
Number	1.3.3.2	Modification Time		Number	1.3.3.2
Abbreviation	FUIC	Number		Abbreviation	
Component Type		Abbreviation COST UNIT		Allow RMA Quantity	
Component Sub Type SW, Percent of Processor Utilization	II/a	Purchased Item		Request Availability predicted	1.0
Design Source	Now	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)		MTBCF, budgeted (hrs)	1.0
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	2.0e31
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	2.0031
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Dty Reqd for Operation (Enter Only to Indicate	-	Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	1.0e9
Redundancy Mode		Total Production Quantity		Method used for MTBF	
Length, budgeted (ft)		Production (budgeted)		predicted	
Length, predicted (ft)		Production (predicted)	0	LRU, Line Replaceable Unit	
Width, budgeted (ft)		Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)		Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity		Support (budgeted)		for Costing	
Weight, budgeted (lbs)		Support (predicted)		MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, predicted (hrs)	
Weight Sensitivity		Title		*	THESE MTTR
Power(avg), budgeted (watts)					VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)				MTTPLDU ODC (TA	PRICE
Power Sensitivity	Looding Edge			MTTR LRU ORG (Tf)	
Technology Maturity Technology Type 1	Leading Edge			MTTR Module ORG (Tmo) MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code	100				
Mathematics (1) String Manipulation (2)					
String Manipulation (2) Store and Retrieve (4)	100				
Online Communications (6)	100				
Real Time (8)					
Operating System or Interactive (10)					
Operating System of Interactive (10)					
User Defined Type (value below)					
User Defined Type (value below) Design Difficulty Value for User Defined					
User Defined Type (value below) Design Difficulty Value for User Defined Project Unique ID					

TABLE 15 Component: 1.3.3.3 Auxiliary Program

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	2 July 1995	Creation Date		Creation Date	12 July 1995
Modification Date	17 October 1996	Modification Date	18 October	Modification Date	18 October 1996
Modification Time	9:45:38 pm		1996	Modification Time	11:35:50 am
Number	-	Modification Time	11:30:39 am	Number	1.3.3.3
Abbreviation		Number		Abbreviation	
Component Type	FWC	Abbreviation		Allow RMA Quantity	
Component Sub Type		COST UNIT	DOLLARS	Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	1.0
Design Source	New	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)	87046	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity	0/010	MTBCF, predicted (hrs)	2.0e31
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	2.0001
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (budgeted)		Optimized MTBF (hrs)	
by Reqd for Operation (Enter Only to Indicate	1	Unit Production (budgeted)		MTBF Optimization Criteria	
					1.0-0
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	1.069
Redundancy Mode		Total Production Quantity		Method used for MTBF	
Length, budgeted (ft)		Production (budgeted)	0	predicted	
Length, predicted (ft)		Production (predicted)	U	LRU, Line Replaceable Unit	
Width, budgeted (ft)		Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)		Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft)		Operational (predicted)		Requested for Costing	
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity		Support (budgeted)		for Costing	
Weight, budgeted (lbs)		Support (predicted)	190239	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, predicted (hrs)	0.0
Weight Sensitivity		Title			THESE MTTR
Power(avg), budgeted (watts)		1110			VALUES ARE
Power(avg), predicted (watts)					POPULATED B
Power(max), budgeted (watts)					MSI FOR USE E
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	
Technology Maturity	Leading Edge			MTTR Module ORG (Tmo)	
Technology Type 1				MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5	700				
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code	100				
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)	100				
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID Title					

TABLE 16 Component: 1.4 Backplane Assembly

COMPONENT	COST		RMA	
Author System User	Author	System User	Author	System User
Creation Date 1 July 1995	Creation Date	•	Creation Date	
Modification Date 26 September 1996	Modification Date	5 March	Modification Date	5 March 1996
Modification Time 7:37:06 pm	1	1996	Modification Time	9:36:07 pm
Number 1.4	Modification Time	9:31:44 pm	Number	1.4
Abbreviation	Number 1		Abbreviation	
Component Type HW Element	Abbreviation		Allow RMA Quantity	No
Component Sub Type Backplane/Cabling	COST UNIT 1	DOLLARS	Request	
SW, Percent of Processor Utilization	Purchased Item		Availability predicted	0.999813
Design Source	Development (budgeted)		Reliability predicted	0.998801
Percent New Design	Development (predicted)	43446	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies No	Development Sensitivity		MTBCF, predicted (hrs)	16666.7
Quantity in Next Higher Assembly 1	Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	15000.0
Quantity Requested for RMA (automatic entry)	Amortized Unit Production (predicted)	7839.0	Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate	Unit Production (budgeted)		MTBF Optimization Criteria	
Redundancy)	Unit Production (predicted)	7839.0	MTBF, predicted (hrs)	16666.7
Redundancy Mode	Total Production Quantity	500.0	Method used for MTBF	
Length, budgeted (ft) 0.32	Production (budgeted)		predicted	
Length, predicted (ft)	Production (predicted)	4254775	LRU, Line Replaceable Unit	No
Width, budgeted (ft) 1.4	Production Cost Sensitivity		Maintenance Procedure	
Width, predicted (ft)	Operational (budgeted)		Maintenance Concept	
Depth, budgeted (ft) 0.8	Operational (predicted)		Requested for Costing	
Depth, predicted (ft)	Operational Cost Sensitivity		Maintenance Concept Used	
Volume Sensitivity	Support (budgeted)		for Costing	
Weight, budgeted (lbs) 3.5	Support (predicted)	1605620	MTTR, line, budgeted (hrs)	
Weight, predicted (lbs)	Support Cost Sensitivity		MTTR, line, predicted (hrs)	3.1146
Weight Sensitivity	Title		*	THESE MTTR
Power(avg), budgeted (watts) 3.5				VALUES ARE
Power(avg), predicted (watts)				POPULATED BY
Power(max), budgeted (watts)				MSI FOR USE BY
Power(max), predicted (watts)				PRICE
Power Sensitivity			MTTR LRU ORG (Tf)	
Technology Maturity Mature			MTTR Module ORG (Tmo)	
Technology Type 1			MTTR LRU IL (Ti)	
Equipment Type 1			MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1			MTTR LRU Depot (Td)	
Technology Type 2			MTTR Module Depot (Tmd)	
Equipment Type 2			Project Unique ID	
Percent of Technology and Equipment 2			Title	
Technology Type 3				
Equipment Type 3				
Percent of Technology and Equipment 3				
Technology Type 4				
Equipment Type 4				
Percent of Technology and Equipment 4				
Technology Type 5				
Equipment Type 5				
Percent of Technology and Equipment 5				
SLOC, Source Lines of Code				
Percent of Memory Utilization				
Percent of Processor Utilization				
Language				
Percent New Code				
Mathematics (1)				
String Manipulation (2)				
Store and Retrieve (4)				
Online Communications (6)				
Real Time (8)				
Operating System or Interactive (10)				
User Defined Type (value below)				
Design Difficulty Value for User Defined				
Project Unique ID				
1 Tojeet e inque 12				

TABLE 17 Component: 1.4.1 VME Backplane

		-	-		
COMPONENT		COST		RMA	
	System User		System User		System User
Creation Date	•	Creation Date	•	Creation Date	•
	2 November 1996	Modification Date		Modification Date	
Modification Time			1996	Modification Time	•
Number	1.4.1	Modification Time	-	Number	1.4.1
Abbreviation		Number		Abbreviation	
Component Type		Abbreviation		Allow RMA Quantity	Yes
Component Sub Type	Backplane/Cabling	COST UNIT		Request	
SW, Percent of Processor Utilization	0.000	Purchased Item		Availability predicted	
Design Source	COIS	Development (budgeted)		Reliability predicted	0.9996
Percent New Design		Development (predicted)		MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	50000.0
Quantity Requested for RMA (automatic entry)	1	Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)		MTBF Optimization Criteria	-0000 0
Redundancy)		Unit Production (predicted)		MTBF, predicted (hrs)	50000.0
Redundancy Mode	Operational, Off Line	Total Production Quantity		Method used for MTBF	
	replacement	Production (budgeted)		predicted	X 7
Length, budgeted (ft)	0.10/	Production (predicted)		LRU, Line Replaceable Unit	1 es
Length, predicted (ft)	14	Production Cost Sensitivity		Maintenance Procedure	
Width, budgeted (ft)	1.4	Operational (budgeted)		Maintenance Concept	
Width, predicted (ft)	0.8	Operational (predicted)		Requested for Costing	Donlago mode et
Depth, budgeted (ft)	0.8	Operational Cost Sensitivity		Maintenance Concept Used	
Depth, predicted (ft)		Support (budgeted)		for Costing	EQP. Scrap bad mods.
Volume Sensitivity	2.0	Support (predicted)		MTTR, line, budgeted (hrs)	
Weight, budgeted (lbs) Weight, predicted (lbs)	5.0	Support Cost Sensitivity Title		MTTR, line, predicted (hrs)	
Weight Sensitivity		The			THESE MTTR
Power(avg), budgeted (watts)	0.0				VALUES ARE
Power(avg), predicted (watts)	0.0				POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	INICE
Technology Maturity	Mature			MTTR Module ORG (Tmo)	
Technology Type 1				MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1				MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2				Project Unique ID	
Percent of Technology and Equipment 2				Title	
Technology Type 3					
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title				1	

TABLE 18 Component: 1.4.2 Interlink Module

COMPONENT		COST		RMA	
	System User		System User		System User
Creation Date		Creation Date	•	Creation Date	
	8 November 1996	Modification Date		Modification Date	
Modification Time			1996	Modification Time	
Number	-	Modification Time	9:34:46 pm	Number	1.4.2
Abbreviation		Number	1.4.2	Abbreviation	
Component Type	HW Element	Abbreviation		Allow RMA Quantity	Yes
Component Sub Type	Board	COST UNIT		Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	
Design Source	COTS	Development (budgeted)		Reliability predicted	0.9992
Percent New Design		Development (predicted)		MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies		Development Sensitivity		MTBCF, predicted (hrs)	
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	50000.0
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)		Optimized MTBF (hrs)	
Qty Reqd for Operation (Enter Only to Indicate	2	Unit Production (budgeted)		MTBF Optimization Criteria	50000 0
Redundancy)	Onerational Off Line	Unit Production (predicted)		MTBF, predicted (hrs)	50000.0
Redundancy Mode	Operational, Off Line	Total Production Quantity Production (budgeted)		Method used for MTBF	
Length, budgeted (ft)	replacement 0 154	Production (budgeted) Production (predicted)		predicted LRU, Line Replaceable Unit	Ves
Length, predicted (ft)	0.137	Production Cost Sensitivity		Maintenance Procedure	103
Width, budgeted (ft)	0 313	Operational (budgeted)		Maintenance Concept	
Width, predicted (ft)	VIL 10	Operational (predicted)		Requested for Costing	
Depth, budgeted (ft)	0.267	Operational Cost Sensitivity		Maintenance Concept Used	Replace mods at
Depth, predicted (ft)		Support (budgeted)			EQP. Scrap bad
Volume Sensitivity		Support (predicted)		8	mods.
Weight, budgeted (lbs)	0.4	Support Cost Sensitivity		MTTR, line, budgeted (hrs)	1.0
Weight, predicted (lbs)		Title		MTTR, line, predicted (hrs)	
Weight Sensitivity				*	THESE MTTR
Power(avg), budgeted (watts)	3.5				VALUES ARE
Power(avg), predicted (watts)					POPULATED BY
Power(max), budgeted (watts)					MSI FOR USE BY
Power(max), predicted (watts)					PRICE
Power Sensitivity				MTTR LRU ORG (Tf)	
Technology Maturity				MTTR Module ORG (Tmo)	
Technology Type 1				MTTR LRU IL (Ti)	
Equipment Type 1				MTTR Module IL (Tmi)	
Percent of Technology and Equipment 1	100			MTTR LRU Depot (Td)	
Technology Type 2				MTTR Module Depot (Tmd)	
Equipment Type 2 Percent of Technology and Equipment 2				Project Unique ID Title	
Technology Type 3				1 Itte	
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined Project Unique ID					
Title					
Itte					

TABLE 19 Component: 1.5 Chassis

COMPONENT		COST		RMA	
Author	System User	Author	System User	Author	System User
Creation Date	1 July 1995	Creation Date	1 July 1995	Creation Date	7 July 1995
Modification Date	17 October 1996	Modification Date	5 March	Modification Date	5 March 1996
Modification Time	9:47:06 pm		1996	Modification Time	9:36:12 pm
Number	1.5	Modification Time	9:31:57 pm	Number	1.5
Abbreviation		Number	-	Abbreviation	
Component Type	HW Element	Abbreviation		Allow RMA Quantity	No
Component Sub Type		COST UNIT	DOLLARS	Request	
SW, Percent of Processor Utilization		Purchased Item		Availability predicted	0.99999
Design Source	COTS	Development (budgeted)		Reliability predicted	
Percent New Design		Development (predicted)	1200	MTBCF, budgeted (hrs)	
Duplicate - Used in other assemblies	No	Development Sensitivity		MTBCF, predicted (hrs)	100000.0
Quantity in Next Higher Assembly		Amortized Unit Production (budgeted)		MTBF, budgeted (hrs)	
Quantity Requested for RMA (automatic entry)		Amortized Unit Production (predicted)	1200.0	Optimized MTBF (hrs)	20000000
ty Reqd for Operation (Enter Only to Indicate		Unit Production (budgeted)	120000	MTBF Optimization Criteria	
Redundancy)		Unit Production (predicted)	1200.0	MTBF, predicted (hrs)	100000 0
Redundancy Mode		Total Production Quantity		Method used for MTBF	100000.0
Length, budgeted (ft)	1 458	Production (budgeted)		predicted	
Length, predicted (ft)	1.7.0	Production (budgeted) Production (predicted)		LRU, Line Replaceable Unit	Voc
	0.854	· · · ·	07/1/2	Maintenance Procedure	1 C3
Width, budgeted (ft) Width, predicted (ft)	0.034	Production Cost Sensitivity		Maintenance Procedure Maintenance Concept	
Width, predicted (ft)	0.875	Operational (budgeted)		1	
Depth, budgeted (ft)	0.0/3	Operational (predicted)		Requested for Costing	Donloss
Depth, predicted (ft)		Operational Cost Sensitivity		Maintenance Concept Used	•
Volume Sensitivity	• • •	Support (budgeted)	100000	for Costing	EQP. Scrap bad
Weight, budgeted (lbs)	24.0	Support (predicted)	108099		mods.
Weight, predicted (lbs)		Support Cost Sensitivity		MTTR, line, budgeted (hrs)	
Weight Sensitivity		Title		MTTR, line, predicted (hrs)	
Power(avg), budgeted (watts)	100.0			*	THESE MTTR
Power(avg), predicted (watts)					VALUES ARE
Power(max), budgeted (watts)					POPULATED BY
Power(max), predicted (watts)					MSI FOR USE B
Power Sensitivity					PRICE
Technology Maturity	Mature			MTTR LRU ORG (Tf)	
Technology Type 1				MTTR Module ORG (Tmo)	
Equipment Type 1				MTTR LRU IL (Ti)	
Percent of Technology and Equipment 1	100			MTTR Module IL (Tmi)	
Technology Type 2				MTTR LRU Depot (Td)	
Equipment Type 2				MTTR Module Depot (Tmd)	
Percent of Technology and Equipment 2				Project Unique ID	
Technology Type 3				Title	
Equipment Type 3					
Percent of Technology and Equipment 3					
Technology Type 4					
Equipment Type 4					
Percent of Technology and Equipment 4					
Technology Type 5					
Equipment Type 5					
Percent of Technology and Equipment 5					
SLOC, Source Lines of Code					
Percent of Memory Utilization					
Percent of Processor Utilization					
Language					
Percent New Code					
Mathematics (1)					
String Manipulation (2)					
Store and Retrieve (4)					
Online Communications (6)					
Real Time (8)					
Operating System or Interactive (10)					
User Defined Type (value below)					
Design Difficulty Value for User Defined					
Project Unique ID					
Title					
				1	