

Business Managers' Conference – 2001

Data Analysis

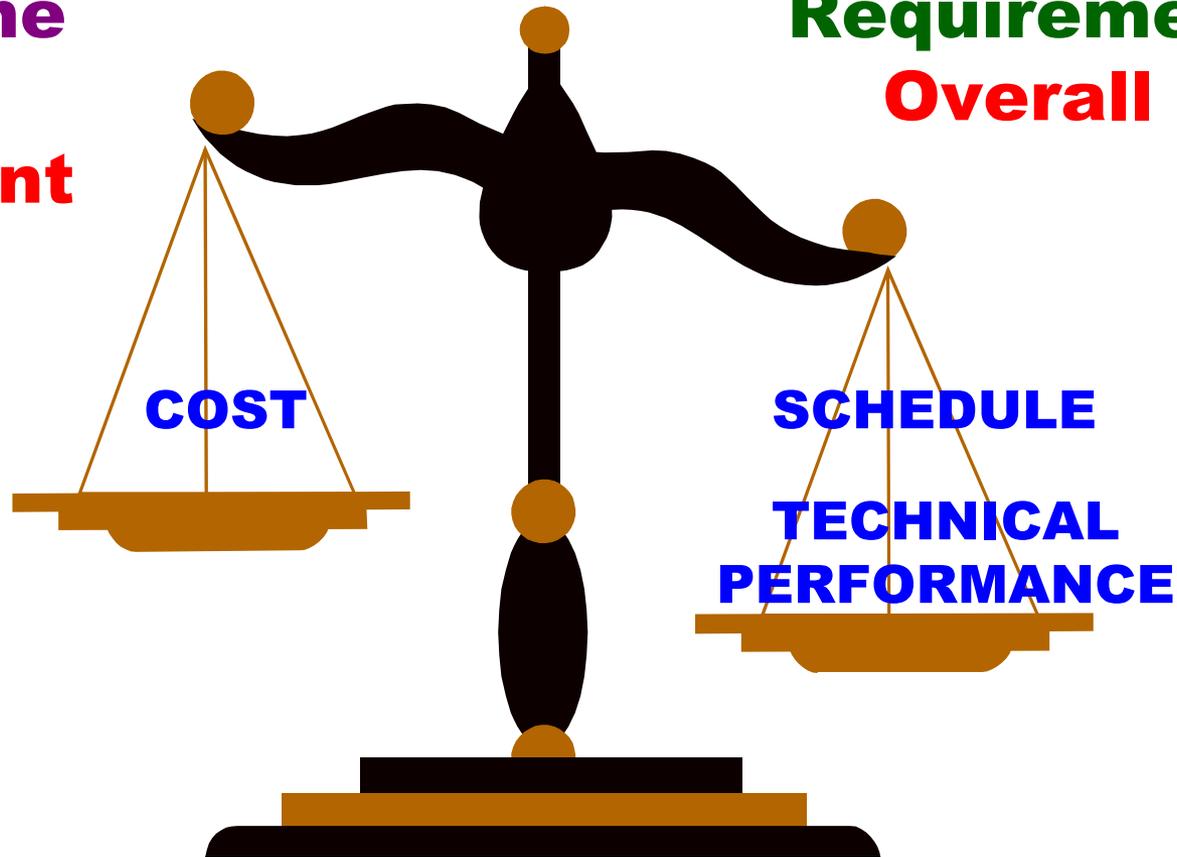


Professor Robert J. Bohls Sr.
Professor Roberta M. Tomasini
Mr. Alan R. Lachel

Cost As the Independent Variable

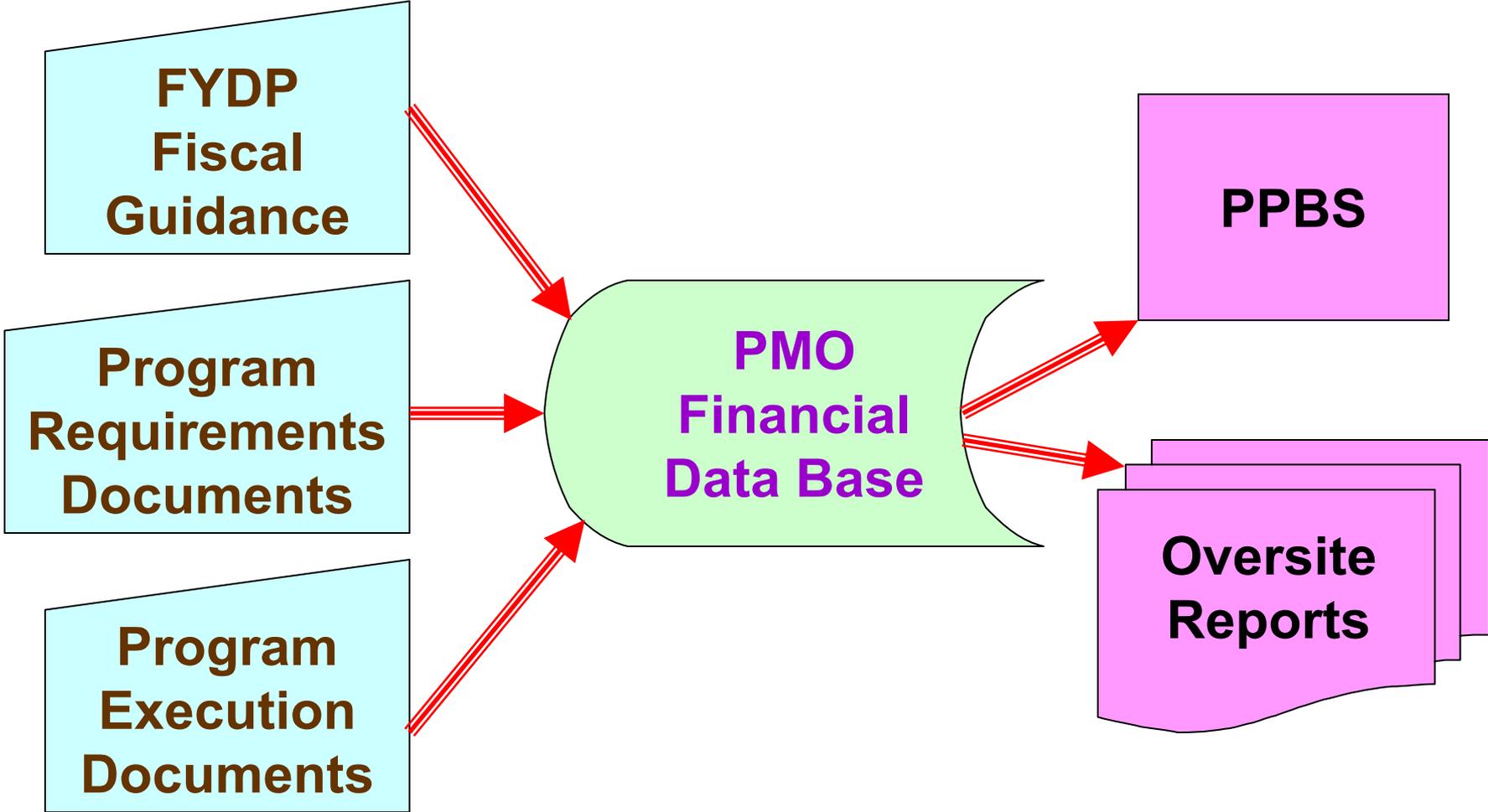
Produce the Best Product within the Cost Constraint

Must be willing to Trade Requirements for Overall Cost



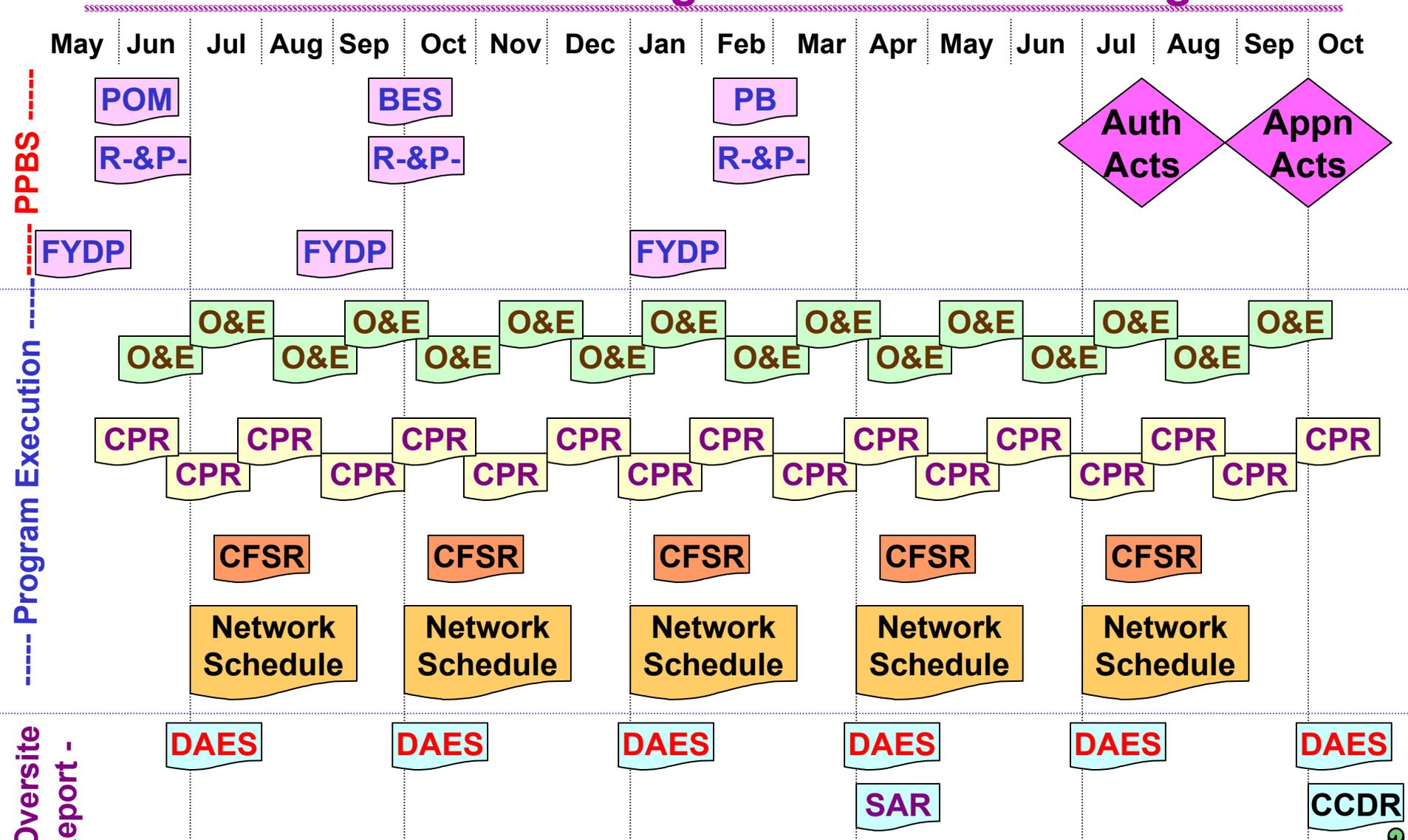
BFM Must Integrate All Aspects of Program

Business Financial Management Responsibilities



ACAT I PPBS/Budget Execution

Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

Document Submission

May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct

PB

R-&P-

R Forms

R-2

R-3

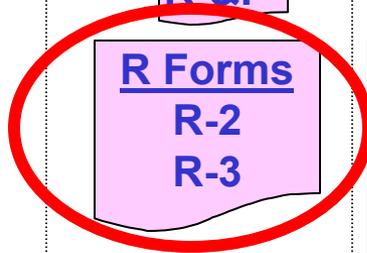
P Forms

P-40

P-5

P-5A

P-21



PPBS



R-2, RDT&E Budget Item Justification

Exhibit R-2, RDT&E Budget Item Justification					Date: February 2001					
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
RDT&E AIR FORCE (3600F) / BA-5 EMD					P.E. 0604999F GENS PROGRAM					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
Total PE Cost	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
P001 GENS	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
Quantity of RDT&E Articles										
<u>A. Mission Description and Budget Item Justification</u>										
<p>The Global Electronics Navigational System (GENS) program provides all services with Theater Command and Control (C2) capability. GENS provides improved combat capability in fighter aircraft and surface air defense units by providing near real-time, netted, jam-resistant, digital voice, data transposition determination, and cooperative identification of subscribing elements. GENS terminals employ spread spectrum techniques to provide secure digital communications with error detection and correction coding. GENS permits rapid and secure exchange of essential command, control, and status information among terminals throughout the tactical theater. This program is reflected in BA 5 - EMD because it supports development of platform integration solutions, interoperability, sustainment capabilities, and test efforts. The FY02 program provides funds to complete the integration of terminals into Air Force platforms and efforts to ensure terminals operate effectively across all host platforms. FY02 funds will also provide for correction of any remaining deficiencies discovered following completion of EMD.</p> <p>FY00 Accomplishments: Completed development and fabrication of systems.</p> <p>FY01 Planned Program: Provides funds for IOT&E and data reduction reports to support completion of EMD and MS III decision.</p> <p>FY02 Planned Program: Provides funds for completion of integration testing and for correction of deficiencies.</p>										
<u>B. Program Change Summary</u>										
			FY 2000	FY 2001	FY 2002	FY 2003				
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	Appropriated Value:		51.295	55.117	35.669	14.377				
	Adjustment from 2001 PB:		0.000	0.000	1.076	2.158				
	FY 2002/2003 President's Budget:		51.295	55.117	36.745	16.535				
R-1 Shopping List - Item 92						Exhibit R-2, RDT&E Budget Item Justification				
(Page 1 of 2)										

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Procurement USMC (1109N), BA 4, GENS Terminal				0.800	6.500	8.500	9.400	11.600	0.000	

D. Acquisition Strategy

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	FY 2000				FY 2001				FY 2002				FY 2003			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	
4Q																
Complete IOT&E						X										
Platform Integration Testing						X	-----	X								

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Exhibit R-2, RDT&E Budget Item Justification

Date: February 2001

APPROPRIATION/BUDGET ACTIVITY
RDT&E AIR FORCE (3600F) / BA-5 EMD

R-1 ITEM NOMENCLATURE
P.E. 0604999F GENS PROGRAM

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R-2

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4Q																											
Complete IOT&E												X															
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A. Mission Description and Budget Item Justification

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(Page 1 of 2)										

R-2

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	FY 2000			FY 2001			FY 2002			FY 2003	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q
4Q											
Complete IOT&E						X					
Platform Integration Testing					X				X		
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A. Mission Description and Budget Item Justification

FY00 Accomplishments: Completed IOT&E and data reduction reports to support completion of EMD and MS III decision. Continued platform integration and testing

FY01 Planned Program: Provides funds for continued integration testing and for correction of deficiencies.

FY02 Planned Program: Provides funds for completion of integration testing and for correction of deficiencies.

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Complete IOT&E							X								
Platform Integration Testing							X	-----	X						
R-1 Shopping List - Item 92										Exhibit R-2, RDT&E Budget Item Justification					
(Page 2 of 2)															

COST (\$ in Millions)		FY 2000	FY 2001	FY 2002	FY 2003
Total PE Cost		51.295	55.117	36.745	16.535
P001 GENS		51.295	55.117	36.745	16.535
Quantity of RDT&E Articles					
FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
0.000	0.000	0.000	0.000	0.000	183.723
0.000	0.000	0.000	0.000	0.000	183.723

Exhibit R-2, RDT&E Budget Item Justification											Date:	February 2001	
APPROPRIATION/BUDGET ACTIVITY											R-1 ITEM NOMENCLATURE		
RDT&E AIR FORCE (3600F) / BA-5 EMD											P.E. 0604999F		GENS PROGRAM
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost			
Total PE Cost	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	0.000	183.723		
P001 GENS	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	0.000	183.723		
Quantity of RDT&E Articles													
A. Mission Description and Budget Item Justification													
<p>The Global Electronics Navigational System (GENS) program provides all services with Theater Command and Control (C2) capability. GENS provides improved combat capability in fighter aircraft and surface air defense units by providing near real-time, netted, jam-resistant, digital voice, data transposition determination, and cooperative identification of subscribing elements. GENS terminals employ spread spectrum techniques to provide secure digital communications with error detection and correction coding. GENS permits rapid and secure exchange of essential command, control, and status information among terminals throughout the tactical theater. This program is reflected in BA 5 - EMD because it supports development of platform integration solutions, interoperability, sustainment capabilities, and test efforts. The FY02 program provides funds to complete the integration of terminals into Air Force platforms and efforts to ensure terminals operate effectively across all host platforms. FY02 funds will also provide for correction of any remaining deficiencies discovered following completion of EMD.</p> <p>FY00 Accomplishments: Completed development and fabrication of systems. FY01 Planned Program: Provides funds for IOT&E and data reduction reports to support completion of EMD and MS III decision. FY02 Planned Program: Provides funds for completion of integration testing and for correction of deficiencies.</p>													
B. Program Change Summary													
		FY 2000	FY 2001	FY 2002	FY 2003								
FY 2001 President's Budget:		51.295	55.117	35.669	14.377								
Appropriated Value:		51.295	55.117	35.669	14.377								
Adjustment from 2001 PB:		0.000	0.000	1.076	2.158								
FY 2002/2003 President's Budget:		51.295	55.117	36.745	16.535								
R-1 Shopping List - Item 92					Exhibit R-2, RDT&E Budget Item Justification								
(Page 1 of 2)													

R-2

Exhibit R-2, RDT&E Budget Item Justification											Date:	February 2001			
APPROPRIATION/BUDGET ACTIVITY											R-1 ITEM NOMENCLATURE				
RDT&E AIR FORCE (3600F) / BA-5 EMD											P.E. 0604999F		GENS PROGRAM		
C. Other Program Funding Summary															
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete						
Other Procurement Air Force (3080F), BA 3, GENS Terminal				1.500	31.600	55.600	56.900	58.600	150.600						
Other Procurement Navy (1810N), BA 3, GENS Terminal				2.600	45.800	75.600	82.500	87.400	203.500						
Procurement USMC (1109N), BA 4, GENS Terminal				0.800	6.500	8.500	9.400	11.600	0.000						
D. Acquisition Strategy															
<p>The GENS program is designed to provide multiple services with Theater Command and Control (C2) capability. GENS development is managed by the Air Force. Two vendors were selected to develop various portions of the GENS terminals and both development vendors are producing complete units for testing. Upon entry to Full Rate Production, a competitive down-select will occur to one prime manufacturer. The Air Force, Navy, and Marine Corps will all procure GENS terminals for use in fighter aircraft and surface ship air defense units.</p>															
E. Schedule Profile															
	FY 2000				FY 2001				FY 2002				FY 2003		
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q
4Q															
Complete IOT&E	X														
Platform Integration Testing	X-----X														
R-1 Shopping List - Item 92											Exhibit R-2, RDT&E Budget Item Justification				
(Page 2 of 2)															

B. Program Change Summary

	FY 2000	FY 2001	FY 2002	FY 2003
FY 2001 President's Budget:	51.295	55.117	35.669	14.377
Appropriated Value:	51.295	55.117	35.669	14.377
Adjustment from 2001 PB:	0.000	0.000	1.076	2.158
FY 2002/2003 President's Budget:	51.295	55.117	36.745	16.535

Exhibit R-2, RDT&E Budget Item Justification										Date: February 2001
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
RDT&E AIR FORCE (3600F) / BA-5 EMD					P.E. 0604999F GENS PROGRAM					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
Total PE Cost	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
P001 GENS	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
Quantity of RDT&E Articles										
A. Mission Description and Budget Item Justification										
<p>The Global Electronics Navigational System (GENS) program provides all services with Theater Command and Control (C2) capability. GENS provides improved combat capability in fighter aircraft and surface air defense units by providing near real-time, netted, jam-resistant, digital voice, data transposition determination, and cooperative identification of subscribing elements. GENS terminals employ spread spectrum techniques to provide secure digital communications with error detection and correction coding. GENS permits rapid and secure exchange of essential command, control, and status information among terminals throughout the tactical theater. This program is reflected in BA 5 - EMD because it supports development of platform integration solutions, interoperability, sustainment capabilities, and test efforts. The FY02 program provides funds to complete the integration of terminals into Air Force platforms and efforts to ensure terminals operate effectively across all host platforms. FY02 funds will also provide for correction of any remaining deficiencies discovered following completion of EMD.</p> <p>FY00 Accomplishments: Completed development and fabrication of systems. FY01 Planned Program: Provides funds for IOT&E and data reduction reports to support completion of EMD and MS III decision. FY02 Planned Program: Provides funds for completion of integration testing and for correction of deficiencies.</p>										
B. Program Change Summary										
	FY 2000	FY 2001	FY 2002	FY 2003						
FY 2001 President's Budget:	51.295	55.117	36.669	14.377						
Appropriated Value:	51.295	55.117	36.669	14.377						
Adjustment from 2001 PB:	0.000	0.000	1.076	2.158						
FY 2002/2003 President's Budget:	51.295	55.117	36.745	16.535						
R-1 Shopping List - Item 92				Exhibit R-2, RDT&E Budget Item Justification						
(Page 1 of 2)										

R-2

Exhibit R-2, RDT&E Budget Item Justification										Date: February 2001	
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE						
RDT&E AIR FORCE (3600F) / BA-5 EMD					P.E. 0604999F GENS PROGRAM						
C. Other Program Funding Summary											
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete		
Other Procurement Air Force (3080F), BA 3, GENS Terminal				1.500	31.600	55.600	56.900	58.600	150.600		
Other Procurement Navy (1810N), BA 3, GENS Terminal				2.600	45.800	75.600	82.500	87.400	203.500		
Procurement USMC (1109N), BA 4, GENS Terminal				0.800	6.500	8.500	9.400	11.600	0.000		
D. Acquisition Strategy											
<p>The GENS program is designed to provide multiple services with Theater Command and Control (C2) capability. GENS development is managed by the Air Force. Two vendors were selected to develop various portions of the GENS terminals and both development vendors are producing complete units for testing. Upon entry to Full Rate Production, a competitive down-select will occur to one prime manufacturer. The Air Force, Navy, and Marine Corps will all procure GENS terminals for use in fighter aircraft and surface ship air defense units.</p>											
E. Schedule Profile											
	FY 2000			FY 2001			FY 2002			FY 2003	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q
4Q											
Complete IOT&E						X					
Platform Integration Testing					X				X		
R-1 Shopping List - Item 92					Exhibit R-2, RDT&E Budget Item Justification						
(Page 2 of 2)											

C. Other Program Funding Summary

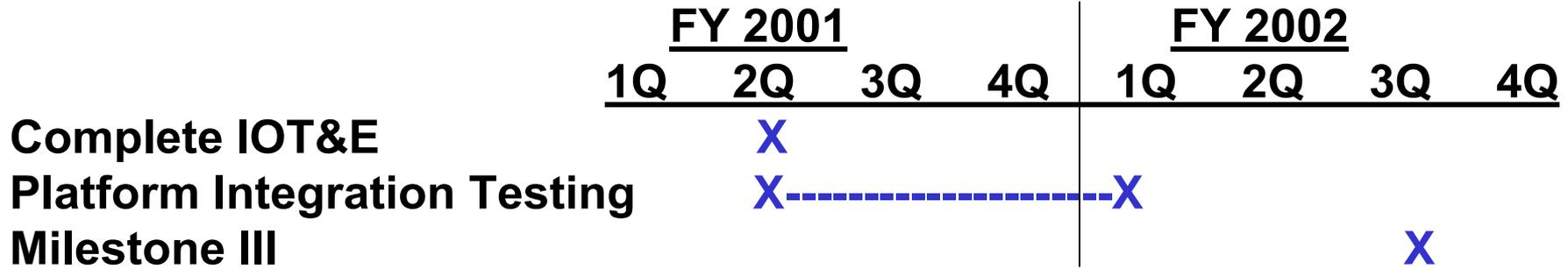
C. Other Program Funding Summary										
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		
Other Procurement Air Force (3080F), BA 3, GENS Terminal				1.500	31.600	55.600	56.900	58.600		
Other Procurement Navy (1810N), BA 3, GENS Terminal				2.600	45.800	75.600	82.500	87.400		
Procurement USMC (1109N), BA 4, GENS Terminal				0.800	6.500	8.500	9.400	11.600		

Exhibit R-2, RDT&E Budget Item Justification										Date: February 2001
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE					
RDT&E AIR FORCE (3600F) / BA-5 EMD					P.E. 0604999F GENS PROGRAM					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total Cost
Total PE Cost	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
P001 GENS	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
Quantity of RDT&E Articles										
A. Mission Description and Budget Item Justification										
<p>The Global Electronics Navigational System (GENS) program provides all services with Theater Command and Control (C2) capability. GENS provides improved combat capability in fighter aircraft and surface air defense units by providing near real-time, netted, jam-resistant, digital voice, data transmission determination, and cooperative identification of subscribing elements. GENS terminals employ spread spectrum techniques to provide secure digital communications with error detection and correction coding. GENS permits rapid and secure exchange of essential command, control, and status information among terminals throughout the tactical theater. This program is reflected in BA 5 - EMD because it supports development of platform integration solutions, interoperability, sustainment capabilities, and test efforts. The FY02 program provides funds to complete the integration of terminals into Air Force platforms and efforts to ensure terminals operate effectively across all host platforms. FY02 funds will also provide for correction of any remaining deficiencies discovered following completion of EMD.</p> <p>FY00 Accomplishments: Completed development and fabrication of systems. FY01 Planned Program: Provides funds for IOT&E and data reduction reports to support completion of EMD and MS III decision. FY02 Planned Program: Provides funds for completion of integration testing and for correction of deficiencies.</p>										
B. Program Change Summary										
		FY 2000	FY 2001	FY 2002	FY 2003					
FY 2001 President's Budget:		51.295	55.117	35.669	14.377					
Appropriated Value:		51.295	55.117	35.669	14.377					
Adjustment from 2001 PB:		0.000	0.000	1.076	2.158					
FY 2002/2003 President's Budget:		51.295	55.117	36.745	16.535					
R-1 Shopping List - Item 92					Exhibit R-2, RDT&E Budget Item Justification					
(Page 1 of 2)										

R-2

Exhibit R-2, RDT&E Budget Item Justification										Date: February 2001					
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE										
RDT&E AIR FORCE (3600F) / BA-5 EMD					P.E. 0604999F GENS PROGRAM										
C. Other Program Funding Summary															
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete						
Other Procurement Air Force (3080F), BA 3, GENS Terminal				1.500	31.600	55.600	56.900	58.600	150.600						
Other Procurement Navy (1810N), BA 3, GENS Terminal				2.600	45.800	75.600	82.500	87.400	203.500						
Procurement USMC (1109N), BA 4, GENS Terminal				0.800	6.500	8.500	9.400	11.600	0.000						
D. Acquisition Strategy															
<p>The GENS program is designed to provide multiple services with Theater Command and Control (C2) capability. GENS development is managed by the Air Force. Two vendors were selected to develop various portions of the GENS terminals and both development vendors are producing complete units for testing. Upon entry to Full Rate Production, a competitive down-select will occur to one prime manufacturer. The Air Force, Navy, and Marine Corps will all procure GENS terminals for use in fighter aircraft and surface ship air defense units.</p>															
E. Schedule Profile															
	FY 2000				FY 2001				FY 2002				FY 2003		
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q
4Q															
Complete IOT&E								X							
Platform Integration Testing							X	-----	X						
R-1 Shopping List - Item 92					Exhibit R-2, RDT&E Budget Item Justification										
(Page 2 of 2)															

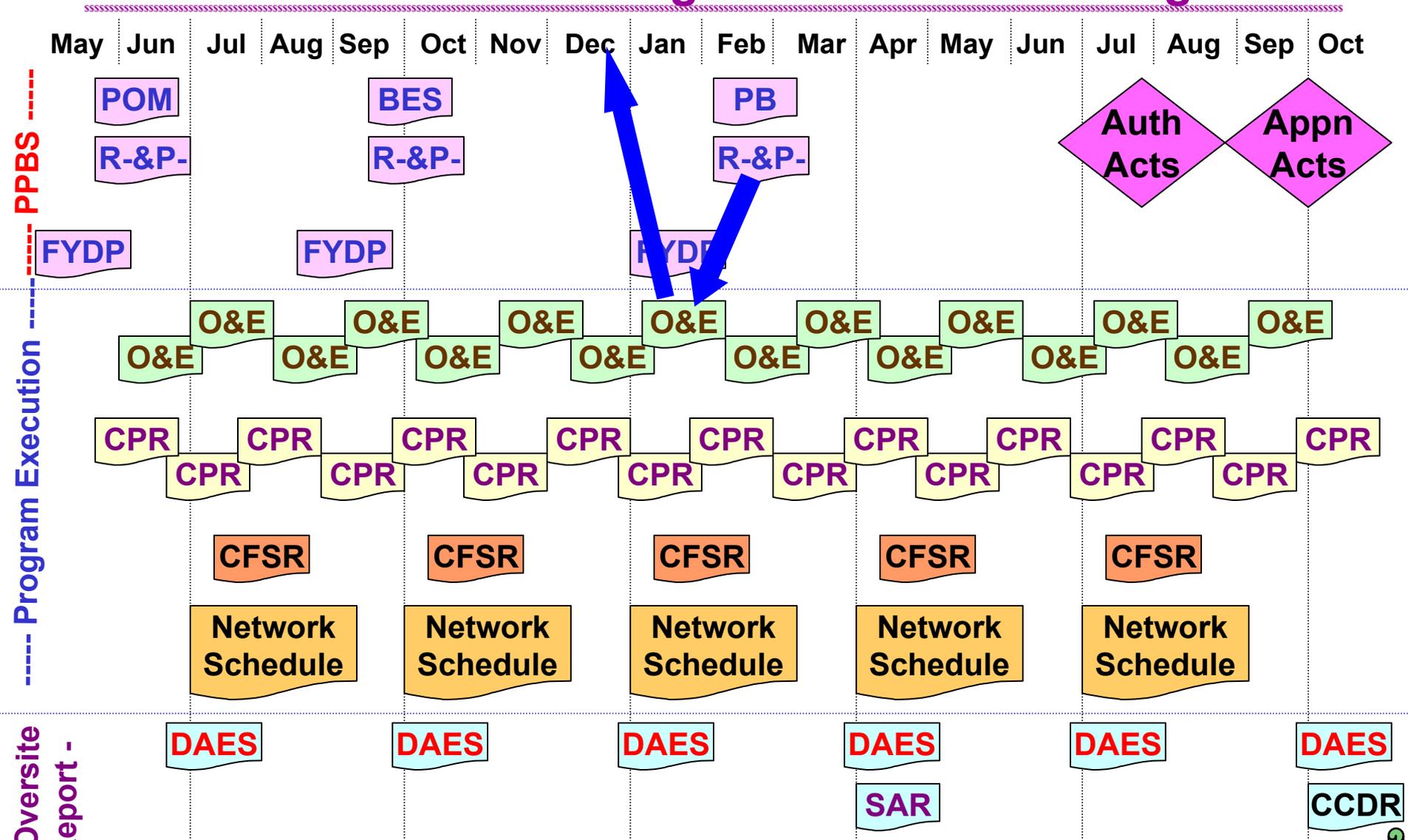
E. Schedule Profile



R-3

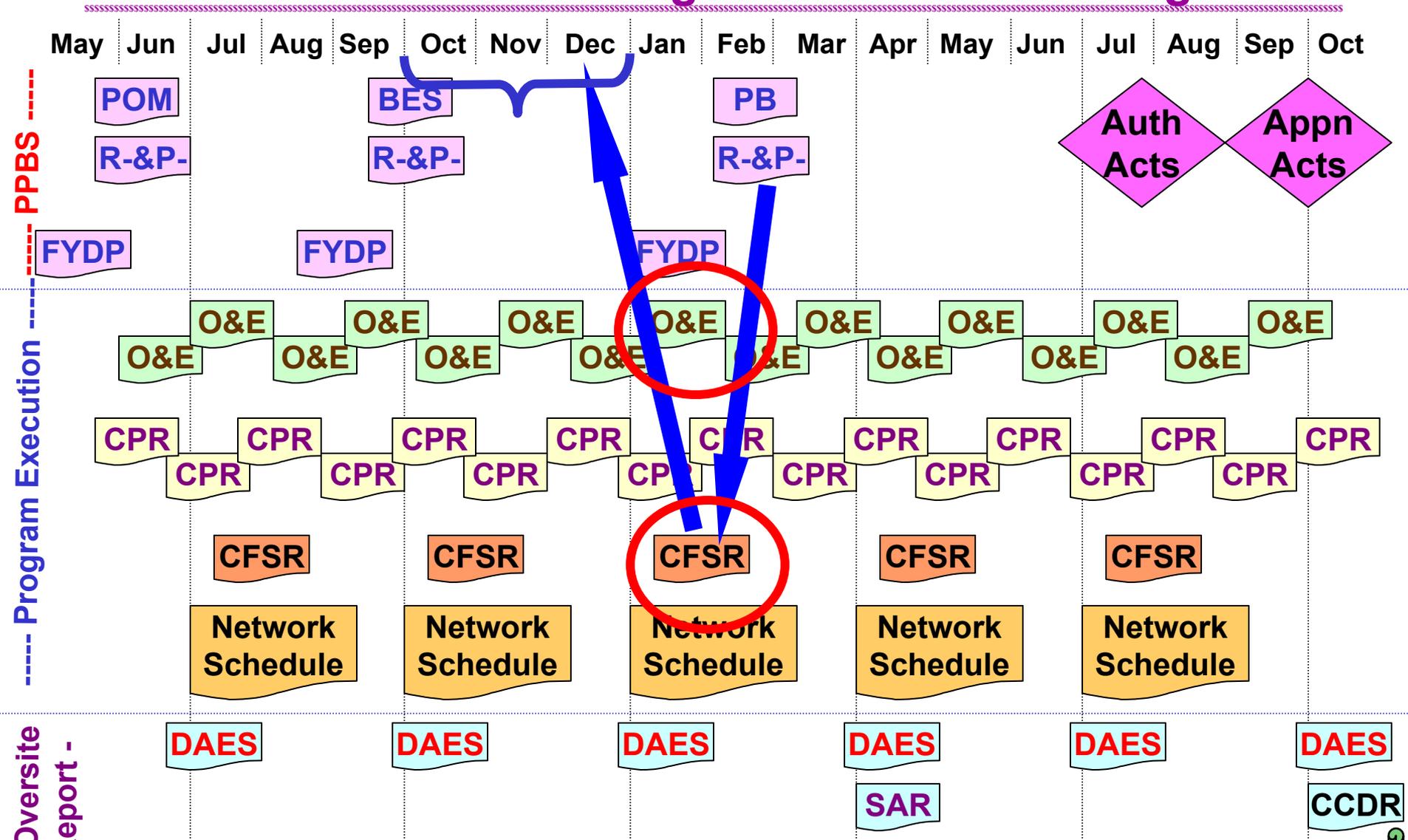
Exhibit R-3, Project Cost Analysis								Date: February 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NAME AND NUMBER				
RDT&E Air Force (3600F) / BA-5 EMD			0604999F					GENS P001				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYS Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Product Development												
Improved C&C	CPAF	CSA INTL	58.001	42.440	Nov-00	28.293	Nov-01	12.732	Nov-01	0.000	141.467	141.467
Subtotal Product Dev			58.001	42.440		28.293		12.732		0.000	141.467	141.467
Remarks:												
Contract Price \$141,467,000												
Support												
S/W Dev	MIPR	VARIOUS	8.874	5.324	Nov-00	0.444	Nov-01	0.140	Nov-01	0.000	14.730	
C3I Dev	PO	VARIOUS	5.705	4.450	Nov-00	0.913	Nov-01	0.342	Nov-01	0.000	11.409	
Subtotal Support			14.578	9.774		1.356		0.490		0.000	26.199	
Remarks:												
Test & Evaluation												
OT&E	MIPR	Kirtland AFB, NM	0.000	0.000	Nov-00	3.042	Nov-01	0.761	Nov-01	0.000	3.803	
Integration Testing	PO	VARIOUS	0.000	0.000	Nov-00	2.704	Nov-01	0.676	Nov-01	0.000	3.381	
Subtotal T&E			0.000	0.000		5.747		1.437		0.000	7.184	
Remarks:												
Management												
Program Mgmt Support	VARIOUS	VARIOUS	2.751	2.928	Nov-00	1.349	Nov-01	1.846		0.000	8.874	
Subtotal Management			2.751	2.928		1.349		1.846		0.000	8.874	
Remarks:												
Total Cost			75.331	55.142		36.745		16.505		0.000	183.723	

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

Contract Funds Status Report

1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC FOR FY 99 - 01	5. PREVIOUS REPORT DATE 00-09-30	7. CONTRACTOR <i>(Name, Address and zip code)</i> CSA INTL. 14766 VENTURA BLVD. LOS ANGELES, CA 98706	9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000
2. CONTRACT TYPE CPAF	4. APPROPRIATION RDT&E (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE a. TARGET 141,467

11. FUNDING INFORMATION												
LINE ITEM / WBS ELEMENT <i>a</i>	APPROPRIATION IDENTIFICATION <i>b</i>	FUNDING AUTHORIZED TO DATE <i>c</i>	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL <i>d</i>	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIREMENTS <i>k</i>	FUNDS CARRY OVER <i>l</i>	NET FUNDS REQUIRED <i>m</i>
				DEFINITIZED <i>e</i>	NOT DEFINITIZED <i>f</i>	SUBTOTAL <i>g</i>	NOT YET AUTHORIZED <i>h</i>	ALL OTHER WORK <i>i</i>	SUBTOTAL <i>j</i>			
1.1 GENS Terminal	3600F	47,957	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,929	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	322	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	43,668	31,000	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		94,134				100,441	0	0	0	100,441	0	100,441

Obligations

12. CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED										
	ACTUAL TO DATE	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31				AT COMPLETION
a OPEN COMMITMENTS	2,742	3,650	3,517	3,402	1,101	0				0
b ACCRUED EXPENDITURES	64,899				7,634	141,467				141,467
c TOTAL <i>(12a + 12b)</i>	68,811	79,250	69,031	100,441	128,735	141,467				141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363				4,097	141,467				141,467
14. ESTIMATED TERMINATION COSTS	7,469	6,983	6,527	6,174	1,439	0				0

Expenditures

Expenditures

CFSR vs Obligations

CFSR

11.			
LINE ITEM / WBS ELEMENT a	APPROPRIATION IDENTIFICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d
1.1 GENS Terminal	3600F	47,957	34,955
1.2 Sys Engr / Pgm Mgt	3600F	4,929	3,592
1.3 Sys Data	3600F	322	235
1.4 Other	3600F	40,926	29,830
TOTAL		94,134	68,611

**Possible Differences:
CRA, Taxes, Withhold
Timing- Local Comptroller
Posting Lag.**

Obligations

FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
PMO Contract Forecast	58.00	98.32	98.32
PMO Contract Actual	56.03	56.03	94.13
PMO Total Forecast	75.33	116.91	118.18
PMO Total Actual	73.12	73.86	112.98
Budget Authority	130.44	130.44	130.44

Contract Funds Status Report

1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC FOR FY 99 - 01	5. PREVIOUS REPORT DATE 00-09-30	7. CONTRACTOR <i>(Name, Address and zip code)</i> CSA INTL. 14766 VENTURA BLVD. LOS ANGELES, CA 98706	9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000
2. CONTRACT TYPE CPAF	4. APPROPRIATION RDT&E (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE a. TARGET 141,467

11. FUNDING INFORMATION												
LINE ITEM / WBS ELEMENT a	APPROPRIATION IDENTIFICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIREMENTS k	FUNDS CARRY OVER l	NET FUNDS REQUIRED m
				DEFINITIZED e	NOT DEFINITIZED f	SUBTOTAL g	NOT YET AUTHORIZED h	ALL OTHER WORK i	SUBTOTAL j			
1.1 GENS Terminal	3600F	47,957	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,929	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	322	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,926	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		94,134	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED												
	ACTUAL TO DATE	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31						AT COMPLETION
a OPEN COMMITMENTS	2,742	3,600	3,517	3,402	1,101	0						0
b ACCRUED EXPENDITURES	64,899	64,899	64,899	64,899	7,634	141,467						141,467
c TOTAL <i>(12a + 12b)</i>	67,641	68,500	68,416	68,301	8,735	141,467						141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363				4,097	141,467						141,467
14. ESTIMATED TERMINATION COSTS	7,469	6,983	6,527	6,174	1,439	0						0

Expenditures

Expenditures

FY 99 GENS Program RDT&E Expenditure Plan (as of 30 Sep 00)

Expenditures	\$M	<u>Oct-99</u>	<u>Nov-99</u>	<u>Dec-99</u>	<u>Jan-00</u>	<u>Feb-00</u>	<u>Mar-00</u>	<u>Apr-00</u>	<u>May-00</u>	<u>Jun-00</u>	<u>Jul-00</u>	<u>Aug-00</u>	<u>Sep-00</u>
PMO Contract Forecast		6.20	7.22	8.23	9.25	10.27	11.29	12.31	13.32	14.34	15.36	16.38	17.58
PMO Contract Actual		5.09	6.11	7.12	8.14	9.16	10.18	11.19	12.21	13.23	14.25	15.27	16.28
PMO Gov In-House Forecast		3.24	3.42	3.60	3.79	3.97	4.15	4.33	4.52	4.70	4.88	5.06	5.25
PMO Gov In-House Actual		3.01	3.19	3.38	3.56	3.74	3.92	4.11	4.29	4.47	4.65	4.84	5.02
PMO Total Forecast		9.44	10.64	11.84	13.04	14.24	15.44	16.64	17.84	19.04	20.24	21.44	22.82
PMO Total Actual		8.10	9.30	10.50	11.70	12.90	14.10	15.30	16.50	17.70	18.90	20.10	21.30
Budget Authority		24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03	24.03
Percent %													
PMO Contract Forecast		34%	39%	45%	50%	56%	61%	67%	72%	78%	83%	89%	95%
PMO Contract Actual		28%	33%	39%	44%	50%	55%	61%	66%	72%	77%	83%	88%
PMO Gov In-House Forecast		59%	62%	65%	69%	72%	75%	78%	82%	85%	88%	92%	95%
PMO Gov In-House Actual		55%	58%	61%	64%	68%	71%	74%	78%	81%	84%	88%	91%
PMO Total Forecast		41%	47%	49%	54%	59%	64%	69%	74%	79%	84%	89%	95%
PMO Total Actual		35%	41%	44%	49%	54%	59%	64%	69%	74%	79%	84%	89%
Variance													
Contract Actual vs Forecast \$		-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.30
Contract Actual vs Forecast %		0%	0%	-13%	-12%	-11%	-10%	-9%	-8%	-8%	-7%	-7%	-7%
Gov In-House Actual vs Forecast \$		-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
Gov In-House Actual vs Forecast %		0%	0%	-6%	-6%	-6%	-5%	-5%	-5%	-5%	-5%	-4%	-4%
Total Actual vs Forecast \$		-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.52
Total Actual vs Forecast %		0%	0%	-11%	-10%	-9%	-9%	-8%	-7%	-7%	-7%	-6%	-7%

CFSR vs Expenditures

CFSR

12.	CONTRACT WORK AUTHORIZED		
	ACTUAL TO DATE	01-03-31	01-06-30
a OPEN COMMITMENTS	3,712	3,682	3,517
b ACCRUED EXPENDITURES	64,899	75,539	86,314
c TOTAL <i>(12a + 12b)</i>	68,611	79,221	89,831
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	72,003	82,778
14. ESTIMATED TERMINATION COSTS	7,469	6,983	6,527

**Differences:
Contractor Timing**

CFSR vs Expenditures

CFSR

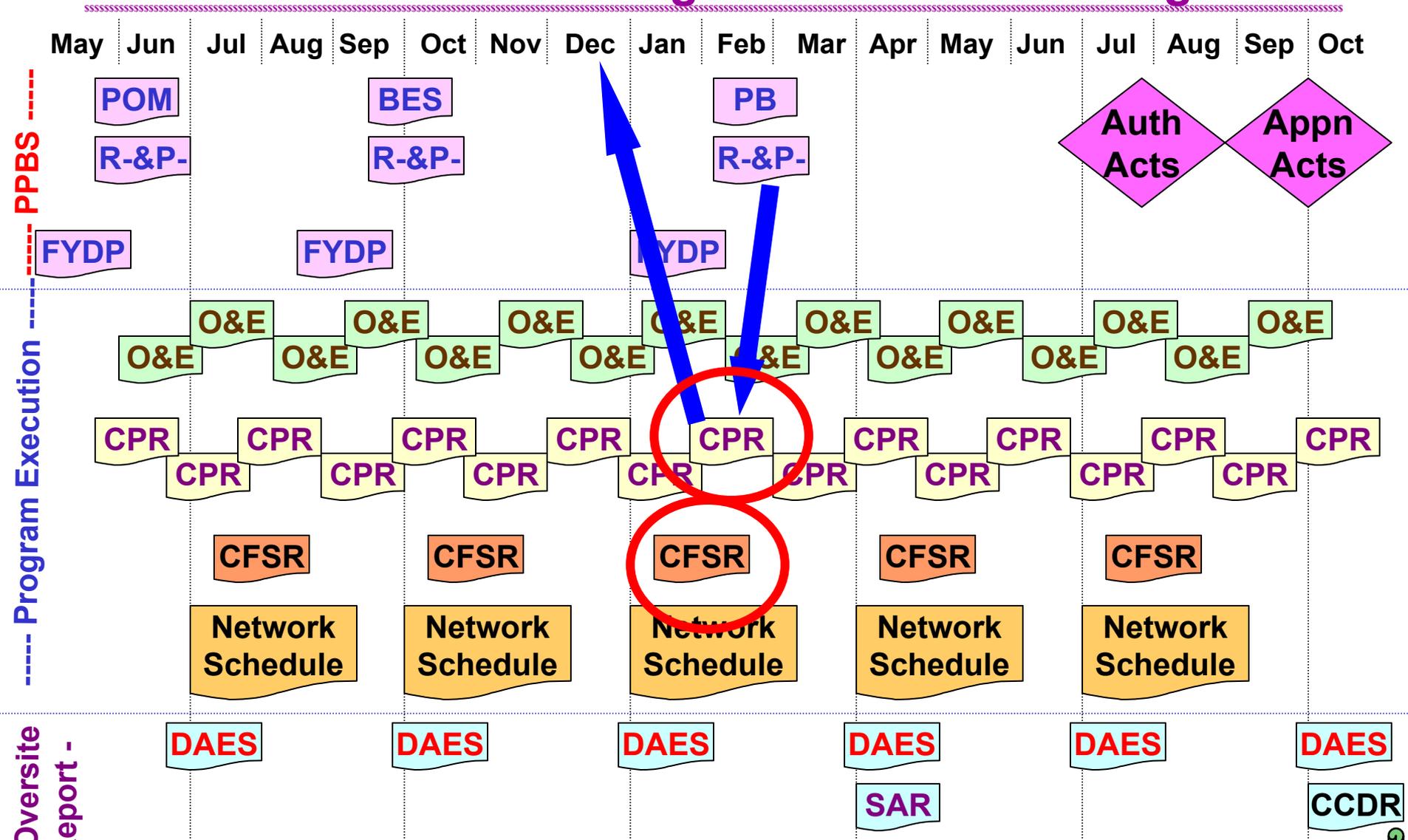
12. CONTRACT WORK AUTHORIZED			
	ACTUAL TO DATE	01-03-31	01-06-30
a OPEN COMMITMENTS	3,712	3,682	3,517
b ACCRUED EXPENDITURES	64,899	75,539	86,314
c TOTAL (12a + 12b)	68,611	79,221	89,831
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	72,003	82,778
14. ESTIMATED TERMINATION COSTS	7,469	6,988	6,527

Differences:
Timing
Actuals vs DFAS
Payment
DFAS Processing
DFAS Errors
PMO Complexity

Expenditures

FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
PMO Contract Forecast	43.89	47.69	51.49
PMO Contract Actual	37.86	41.66	45.46
PMO Total Forecast	58.03	62.23	66.43
PMO Total Actual	49.17	53.37	57.57
Budget Authority	130.44	130.44	130.44

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

Contract Funds Status Report

1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC FOR FY 99 - 01	5. PREVIOUS REPORT DATE 00-09-30	7. CONTRACTOR <i>(Name, Address and zip code)</i> CSA INTL. 14766 VENTURA BLVD. LOS ANGELES, CA 98706	9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000
2. CONTRACT TYPE CPAF	4. APPROPRIATION RDT&E (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE a. TARGET 141,467

11. FUNDING INFORMATION												
LINE ITEM / WBS ELEMENT a	APPROPRIATION IDENTIFICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIREMENTS k	FUNDS CARRY OVER l	NET FUNDS REQUIRED m
				DEFINITIZED e	NOT DEFINITIZED f	SUBTOTAL g	NOT YET AUTHORIZED h	ALL OTHER WORK i	SUBTOTAL j			
1.1 GENS Terminal	3600F	47,957	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,929	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	322	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,926	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		94,134	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED												
	ACTUAL TO DATE	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31						AT COMPLETION
a OPEN COMMITMENTS	2,742	3,600	3,517	3,102	1,101	0						0
b ACCRUED EXPENDITURES	64,899				7,634	141,467						141,467
c TOTAL <i>(12a + 12b)</i>	68,611	79,200	69,034	100,441	128,735	141,467						141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363				4,097	141,467						141,467
14. ESTIMATED TERMINATION COSTS	7,469	6,983	6,527	6,174	1,439	0						0

CPR ACWP

CPR ACWP

Cost Performance Report Format 1

1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME CSA INTL.				a. NAME GENS				a. NAME GENS				a. FROM (YYMMDD) 11/1/2000					
b. LOCATION (Address and ZIP Code) 14766 VENTURA BLVD. LOS ANGELES, CA 98706				b. NUMBER F-19628-99-C-0035				b. PHASE (X one) X RDT&E <input type="checkbox"/> PRODUCTION				b. TO (YYMMDD) 11/30/2000					
				c. TYPE CPAF		d. SHARE RATIO N/A											
5. CONTRACT DATA																	
a. QUANTITY 8		b. NEGOTIATED COST 130,150		c. EST. COST AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 11,317		e. TARGET PRICE 141,467		f. ESTIMATED PRICE 141,467		g. CONTRACT CEILING 163,000		h. ESTIMATED CONTRACT CEILING 163,000			
6. ESTIMATED COST AT COMPLETION								7. AUTHORIZED CONTRACTOR REPRESENTATIVE									
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Mr. Oscar Johnson Jr.				b. TITLE MONGOOSE TROPIC DIVISION DIRECTOR							
a. BEST CASE 130,150						c. SIGNATURE <i>Oscar Johnson Jr.</i>				d. DATE SIGNED (YYMMDD) 12/22/2000							
b. WORST CASE 133,551																	
c. MOST LIKELY 133,551		130,150		-3,401													
8. PERFORMANCE DATA																	
WORK BREAK DOWN STRUCTURE				CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAM ADJUSTMENT		AT COMPLETION			
ITEM (1)	BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		REPROGRAM ADJUSTMENT		BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	VARIANCE (12)	BUDGET (13)					
NUM	DESCRIPT	WBS LVL															
1.0	GENS SYS System	1	3,971	3,693	4,206	-278	-513	53,853	49,234	56,288	-4,619	-7,054	0	0	124,047	127,448	-3,401
1.1	GENS Terminal	2	1,590	1,713	1,770	123	-57	29,775	27,198	31,733	-2,577	-4,535	0	0	63,149	65,402	-2,253
1.1.1	Receiver Transmitter	3	120	115	125	-5	-10	1,328	1,145	1,481	-183	-336	0	0	8,596	8854	-258
1.1.2	Digital Data Processor Gp	3	215	210	202	-5	8	1,749	1,300	1,766	-449	-466	0	0	2,554	2580	-26
1.1.3	Power Package	3	600	698	700	98	-2	14,557	13,755	15,122	-802	-1,367	0	0	31,196	31820	-624
1.1.4	Interface Unit Hardware	3	150	140	145	-10	-5	1,287	1,340	1,150	-137	190	0	0	1,850	1869	-19
1.1.5	Interface Unit Software	3	505	550	598	45	-48	10,854	9,658	12,214	-1,196	-2,556	0	0	18,953	20280	-1,327
1.2	Sys Eng / Project Mgmt	2	241	250	215	9	35	4,275	4,456	4,608	131	-152	0	0	6,500	6565	-65
1.3	System Data	2	35	32	36	-3	-4	346	335	389	-11	-54	0	0	425	429	-4
1.4	Other Other	2	2,105	1,698	2,185	-407	-487	19,457	17,245	19,558	-2,212	-2,313	0	0	53,973	55052	-1,079
b. COST OF MONEY			210	180	215	-30	-35	920	890	915	-30	-25	0	0	2,100	2,100	0
c. GENERAL & ADMINISTRATIVE						0	0				0	0					0
d. UNDISTRIBUTED BUDGET																	0
e. SUBTOTAL (Performance Measurement Baseline)			4,181	3,873	4,421	-155	-548	54,773	50,124	57,203	-4,619	-7,079	0	0	126,147	129,548	-3,401
f. MANAGEMENT RESERVE													0		4,003		
g. TOTAL			4,181	3,873	4,421	-308	-548	54,773	50,124	57,203	-4,619	-7,079	0	0	130,150		
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT											0	0					
b. TOTAL CONTRACT VARIANCE											0	0					

CFSR vs CPR

CFSR

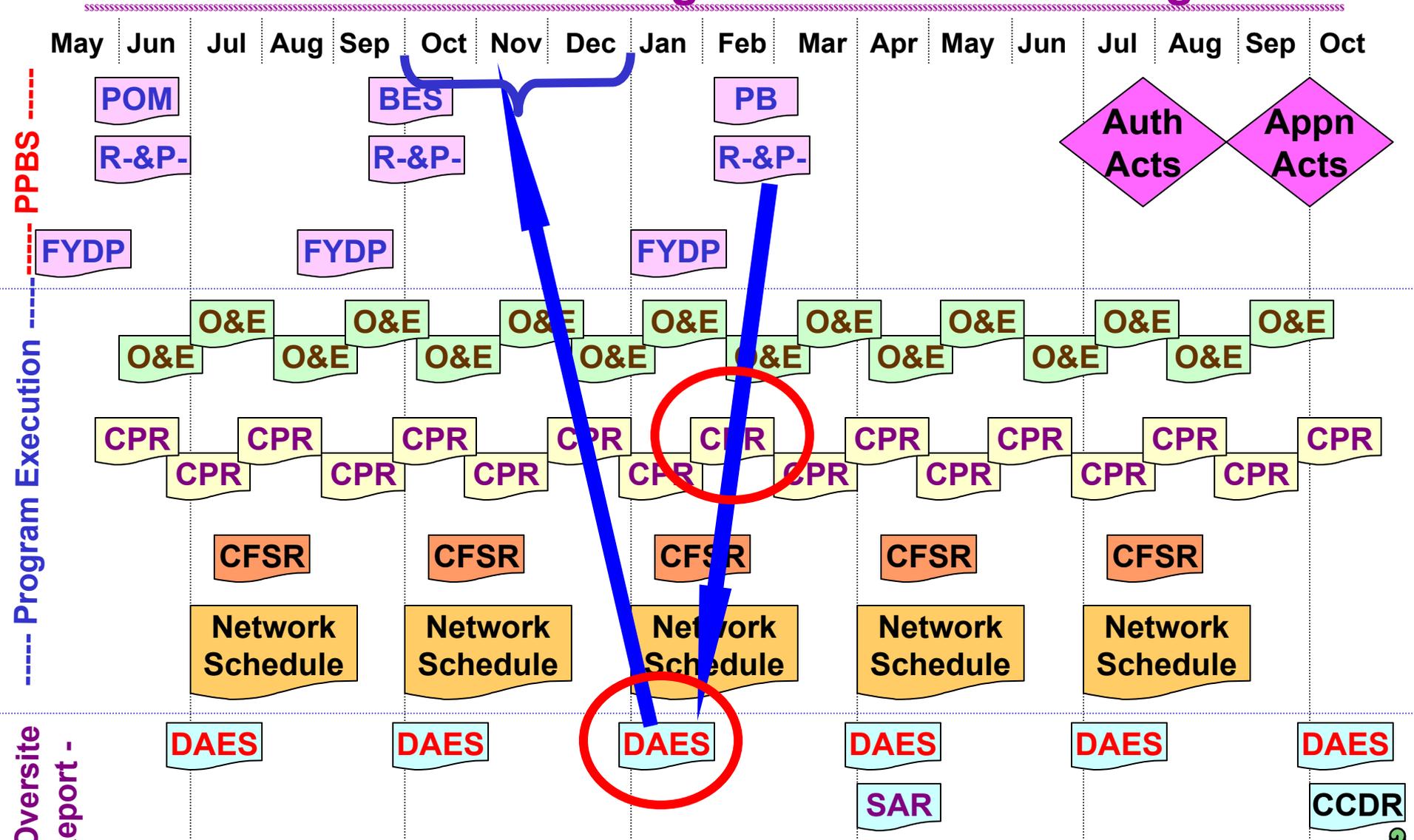
12. CONTRACT WORK AUTHORIZED			
	ACTUAL TO DATE	01-03-31	01-06-30
a OPEN COMMITMENTS	3,712	3,682	3,517
b ACCRUED EXPENDITURES	64,899	75,539	86,314
c TOTAL (12a + 12b)	68,611	79,221	89,831
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	72,003	82,778
14. ESTIMATED TERMINATION COSTS	7,469	6,983	6,527

CPR

		ACTUAL COST WORK PERFORMED (9)
NUM	DESCRIPT	
1.0	GENS SYS	56,288
1.1	GENS	31,733
1.1.1	Receiver	1,481
1.1.2	Digital Data	1,766
1.1.3	Power	15,122
1.1.4	Interface Un	1,150
1.1.5	Interface Un	12,214
1.2	Sys Eng /	4,608
1.3	System	389
1.4	Other	19,558
b.	COST OF MONEY	915
c.	GENERAL & ADM	
d.	UNDISTRIBUTED	
e.	SUBTOTAL	57,203
	<i>Measureme</i>	
f.	MANAGEMENT RE	
g.	TOTAL	57,203

Differences:
Price vs Cost
Timing Lag
1 Mth Diff
CPR Format 5

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

Cost Performance Report Format 1

1. CONTRACTOR				2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME CSA INTL.				a. NAME GENS				a. NAME GENS				a. FROM (YYMMDD) 11/1/2000					
b. LOCATION (Address and ZIP Code) 14766 VENTURA BLVD. LOS ANGELES, CA 98706				b. NUMBER F-19628-99-C-0035				b. PHASE (X one) X RDT&E <input type="checkbox"/> PRODUCTION				b. TO (YYMMDD) 11/30/2000					
				c. TYPE CPAF		d. SHARE RATIO N/A											
5. CONTRACT DATA																	
a. QUANTITY 8		b. NEGOTIATED COST 130,150		c. EST. COST AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 11,317		e. TARGET PRICE 141,467		f. ESTIMATED PRICE 141,467		g. CONTRACT CEILING 163,000		h. ESTIMATED CONTRACT CEILING 163,000			
6. ESTIMATED COST AT COMPLETION								7. AUTHORIZED CONTRACTOR REPRESENTATIVE									
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Mr. Oscar Johnson Jr.				b. TITLE MONGOOSE TROPIC DIVISION DIRECTOR							
a. BEST CASE 130,150						c. SIGNATURE <i>Oscar Johnson Jr.</i>				d. DATE SIGNED (YYMMDD) 12/22/2000							
b. WORST CASE 133,551																	
c. MOST LIKELY 133,551		130,150		-3,401													
8. PERFORMANCE DATA																	
WORK BREAK DOWN STRUCTURE				CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAM ADJUSTMENT		AT COMPLETION			
ITEM (1)	BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		VARIANCE		REPROGRAM ADJUSTMENT		BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12)	BUDGET (13)					
NUM	DESCRIPT	WBS LVL															
1.0	GENS SYS System	1	3,971	3,693	4,206	-278	-513	53,853	49,234	56,288	-4,619	-7,054	0	0	124,047	127,448	-3,401
1.1	GENS Terminal	2	1,590	1,713	1,770	123	-57	29,775	27,198	31,733	-2,577	-4,535	0	0	63,149	65,402	-2,253
1.1.1	Receiver Transmitter	3	120	115	125	-5	-10	1,328	1,145	1,481	-183	-336	0	0	8,596	8854	-258
1.1.2	Digital Data Processor Gp	3	215	210	202	-5	8	1,749	1,300	1,766	-449	-466	0	0	2,554	2580	-26
1.1.3	Power Package	3	600	698	700	98	-2	14,557	13,755	15,122	-802	-1,367	0	0	31,196	31820	-624
1.1.4	Interface Unit Hardware	3	150	140	145	-10	-5	1,287	1,340	1,150	133	190	0	0	1,850	1869	-19
1.1.5	Interface Unit Software	3	505	550	598	45	-48	10,854	9,658	12,214	-1,196	-2,556	0	0	18,953	20280	-1,327
1.2	Sys Eng / Project Mgmt	2	241	250	215	9	35	4,275	4,456	4,608	131	-152	0	0	6,500	6565	-65
1.3	System Data	2	35	32	36	-3	-4	346	335	389	-11	-54	0	0	425	429	-4
1.4	Other Other	2	2,105	1,698	2,185	-407	-487	19,457	17,245	19,558	-2,212	-2,313	0	0	53,973	55052	-1,079
b. COST OF MONEY			210	180	215	-30	-35	920	890	915	-30	-25	0	0	2,100	2,100	0
c. GENERAL & ADMINISTRATIVE						0	0				0	0					0
d. UNDISTRIBUTED BUDGET																	0
e. SUBTOTAL (Performance Measurement Baseline)			4,181	3,873	4,421	-155	-548	54,773	50,124	57,203	-4,619	-7,079	0	0	126,147	129,548	-3,401
f. MANAGEMENT RESERVE													0	4,003			
g. TOTAL			4,181	3,873	4,421	-308	-548	54,773	50,124	57,203	-4,619	-7,079	0	0	130,150		
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT											0	0					
b. TOTAL CONTRACT VARIANCE											0	0					

DAES Section 7

1. PROGRAM NAME: GENS		2. CONTRACT NAME: GENS		3. CONTRACTOR DATA (NAME & LOCATION): CSAINTL.	
4a. CONTRACT NUMBER F-19628-99-0035		4c. CONTRACT TYPE: CPAF		4d. CONTRACT DELIVERIES: TERMINALS	
4b. CHANGE ORDER NUMBER:		TOTAL QTY: 8		8. TARGET PRICE 141,467	
5. PROGRAM PHASE: EMD		6. NEGOTIATED COST: 130,150		7. AUTH UNPRICED WORK: 0	
				CEILING PRICE 163,000	
CONTRACT SCHEDULE DATA					
9. CONTRACT DEFINITION DATE:		11. CRITICAL MILESTONE 1: PDR		12. CRITICAL MILESTONE 2: CDR	
10. WORK START DATE: Apr 99				13. SIGNIFICANT EFFORT COMP. DATE: Jan 03	
				14. ESTIMATED COMPLETION DATE: Jul 03	
CONTRACT PERFORMANCE DATA					
		15. REPORT DATE: Oct 00		16. SOURCE DOCUMENT: CPR	
				17. DATA VERIFICATION REVIEW TYPE: IBR	
				REVIEW DATE: Oct 99	
18. BCWS 49,882		19. BCWP 45,541		20. ACWP 52,082	
				21. MANAGEMENT RESERVE 4,003	
22. CONTRACT BUDGET BASE: 130,150		23. TOTAL ALLOCATED BUDGET 130,150		24. CONTRACTOR'S EST. COST: 133,551	
				23. PM'S ESTIMATED COST: CURRENT: 142,554	
				BEST: 133,551	
				WORST: 144,554	
CONTRACT VARIANCE DATA					
COST VARIANCE: -6,541				SCHEDULE VARIANCE: -4,341	

CPR vs DAES

CPR

		CURRENT PERIOD					CUMULATIVE TO DATE				
		BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE	
		WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	COST WORK PERFORMED	SCHEDULE	COST
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NUM	DESCRIPT										
1.0	GENS SYS	3,971	3,693	4,206	-278	-513	53,853	49,234	56,288	-4,619	-7,054

DAES

18. BCWS	49,882	19. BCWP	45,541	20. ACWP	52,082
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**Differences:
Timing 1 Mth Diff**

DAES Section 7

1. PROGRAM NAME: GENS		2. CONTRACT NAME: GENS		3. CONTRACTOR DATA (NAME & LOCATION): CSAINTL.	
4a. CONTRACT NUMBER F-19628-99-0035		4c. CONTRACT TYPE: CPAF		4d. CONTRACT DELIVERIES: TERMINALS	
4b. CHANGE ORDER NUMBER:		TOTAL QTY: 8		8. TARGET PRICE 141,467	
5. PROGRAM PHASE: EMD		6. NEGOTIATED COST: 130,150		7. AUTH UNPRICED WORK: 0	
				CEILING PRICE 163,000	
CONTRACT SCHEDULE DATA					
9. CONTRACT DEFINITION DATE:		11. CRITICAL MILESTONE 1: PDR		12. CRITICAL MILESTONE 2: CDR	
10. WORK START DATE: Apr 99				13. SIGNIFICANT EFFORT COMP. DATE: Jan 03	
				14. ESTIMATED COMPLETION DATE: Jul 03	
CONTRACT PERFORMANCE DATA					
		15. REPORT DATE: Oct 00		16. SOURCE DOCUMENT: CPR	
				17. DATA VERIFICATION REVIEW TYPE: IBR REVIEW DATE: Oct 99	
18. BCWS 49,882		19. BCWP 45,541		20. ACWP 52,082	
				21. MANAGEMENT RESERVE 4,003	
22. CONTRACT BUDGET BASE: 130,150		23. TOTAL ALLOCATED BUDGET 130,150		24. CONTRACTOR'S EST. COST: 133,551	
				25. PM's ESTIMATED COST: CURRENT: 142,554 BEST: 133,551 WORST: 144,554	
CONTRACT VARIANCE DATA					
COST VARIANCE: -6,541				SCHEDULE VARIANCE: -4,341	

CPR vs DAES

CPR

a. QUANTITY	b. NEGOTIATED COST	c. EST. COST AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/FEE
8	130,150	0	11,317
6. ESTIMATED COST AT COMPLETION			
	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	130,150		
b. WORST CASE	133,551		
c. MOST LIKELY	133,551	130,150	-3,401

DAES

22. CONTRACT BUDGET BASE:	23. TOTAL ALLOCATED BUDGET	24. CONTRACTOR'S EST. COST:
130,150	130,150	133,551

**Differences:
Timing Lag**

DAES Section 7

1. PROGRAM NAME: GENS		2. CONTRACT NAME: GENS		3. CONTRACTOR DATA (NAME & LOCATION): CSAINTL.	
4a. CONTRACT NUMBER F-19628-99-0035		4c. CONTRACT TYPE: CPAF		4d. CONTRACT DELIVERIES: TERMINALS	
4b. CHANGE ORDER NUMBER:		TOTAL QTY: 8		8. TARGET PRICE 141,467	
5. PROGRAM PHASE: EMD		6. NEGOTIATED COST: 130,150		7. AUTH UNPRICED WORK: 0	
				CEILING PRICE 163,000	
CONTRACT SCHEDULE DATA					
9. CONTRACT DEFINITION DATE:		11. CRITICAL MILESTONE 1: PDR		12. CRITICAL MILESTONE 2: CDR	
10. WORK START DATE: Apr 99				13. SIGNIFICANT EFFORT COMP. DATE: Jan 03	
				14. ESTIMATED COMPLETION DATE: Jul 03	
CONTRACT PERFORMANCE DATA					
		15. REPORT DATE: Oct 00		16. SOURCE DOCUMENT: CPR	
				17. DATA VERIFICATION REVIEW TYPE: IBR REVIEW DATE: Oct 99	
18. BCWS 49,882		19. BCWP 45,541		20. ACWP 52,082	
				21. MANAGEMENT RESERVE 4,003	
22. CONTRACT BUDGET BASE: 130,150		23. TOTAL ALLOCATED BUDGET 130,150		24. CONTRACTOR'S EST. COST: 133,551	
				23. PM'S ESTIMATED COST: CURRENT: 142,554 BEST: 133,551 WORST: 144,554	
CONTRACT VARIANCE DATA					
COST VARIANCE: -6,541		SCHEDULE VARIANCE: -4,341			

DAES EAC

DAES

23. PM's ESTIMATED COST:

CURRENT:	142,554
BEST:	133,551
WORST:	144,554

PM EAC @Price:

Current	=	\$154M
Best	=	\$145M
Worst	=	\$156M

EAC @Cost:

CPI_C	=	\$148M
$CPI * SPI$	=	\$163M

EAC @Price:

CPI_C	=	\$160M
$CPI * SPI$	=	\$174M

Is there sufficient Budget in the Program?

R-3

Exhibit R-3, Project Cost Analysis								Date: February 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NAME AND NUMBER				
RDT&E Air Force (3600F) / BA-5 EMD			0604999F					GENS P001				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYS Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Product Development												
Improved C&C	CPAF	CSA INTL	58.001	42.440	Nov-00	28.293	Nov-01	12.732	Nov-01	0.000	141.467	141.467
Subtotal Product Dev			58.001	42.440		28.293		12.732		0.000	141.467	141.467
Remarks:												
Support												
S/W Dev	MPR	VARIOUS	8.874	5.324	Nov-00	0.444	Nov-01	0.148	Nov-01	0.000	14.790	
C3I Dev	PO	VARIOUS	5.705	4.450	Nov-00	0.913	Nov-01	0.342	Nov-01	0.000	11.409	
Subtotal Support			14.578	9.774		1.356		0.490		0.000	26.199	
Remarks:												
Test & Evaluation												
OT&E	MPR	Kirtland AFB, NM	0.000	0.000	Nov-00	3.042	Nov-01	0.761	Nov-01	0.000	3.803	
Integration Testing	PO	VARIOUS	0.000	0.000	Nov-00	2.704	Nov-01	0.676	Nov-01	0.000	3.381	
Subtotal T&E			0.000	0.000		5.747		1.437		0.000	7.184	
Remarks:												
Management												
Program Mgmt Support	VARIOUS	VARIOUS	2.751	2.928	Nov-00	1.349	Nov-01	1.846		0.000	8.874	
Subtotal Management			2.751	2.928		1.349		1.846		0.000	8.874	
Remarks:												
Total Cost			75.331	55.142		36.745		16.505		0.000	183.723	

R-3

Cost Categories	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date
Product Development							
Improved C&C	CPAF	CSA INTL.	58.001	42.440	Nov-00	28.293	Nov-01
Subtotal Product Dev			58.001	42.440		28.293	

FY 2003 Cost	FY 2003 Award Date	Cost to Complete	Total Cost	Target Value of Contract
12.732	Nov-01	0.000	141.467	141.467
12.732		0.000	141.467	141.467

**Differences:
Must be Addressed**

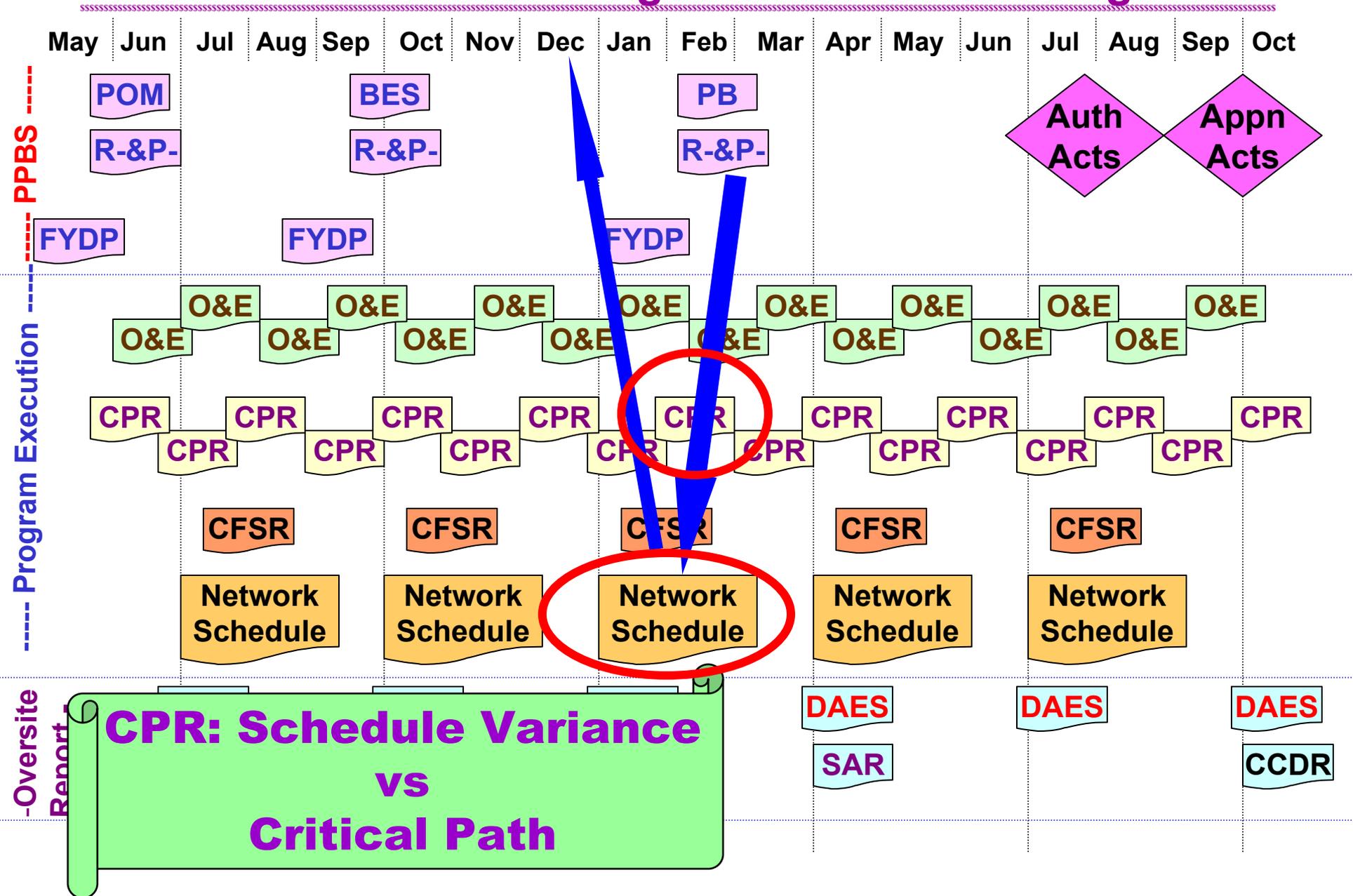
EAC @Price:

CPI_c = \$160M

CPI*SPI = \$174M

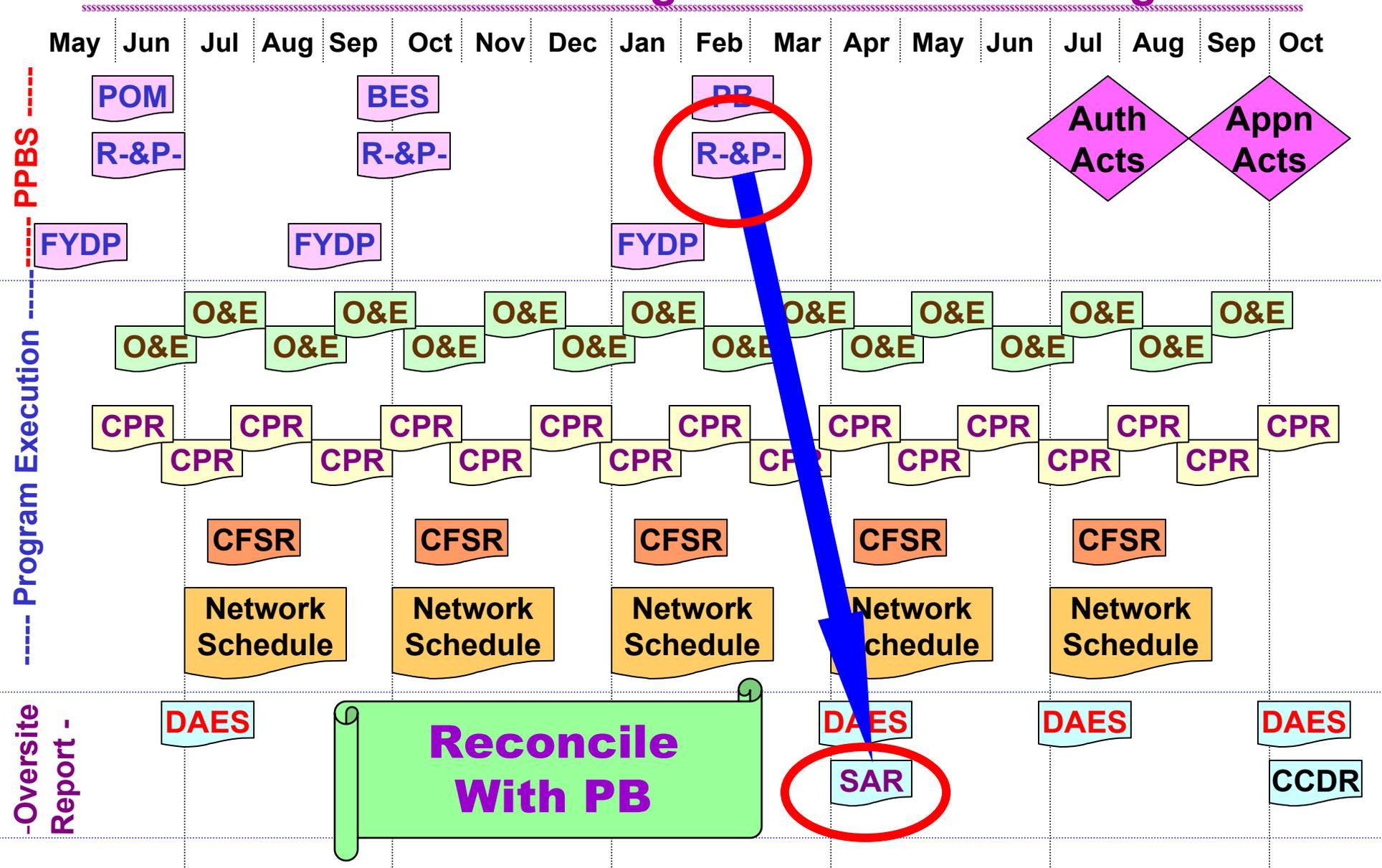
BFM Goal: Defendable & Credible Program

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



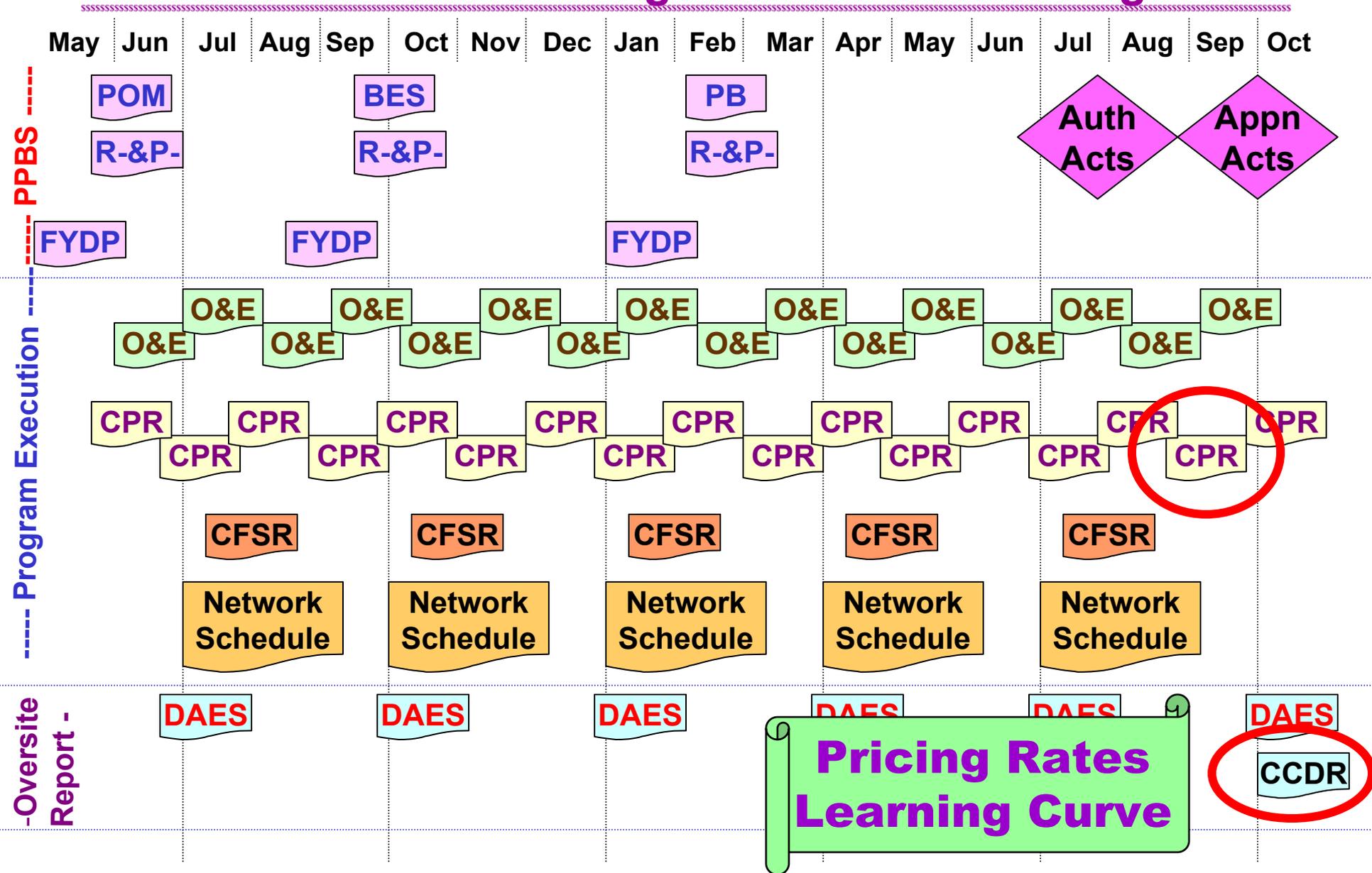
**CPR: Schedule Variance
vs
Critical Path**

ACAT I PPBS/Budget Execution Business Financial Management - Process Integration



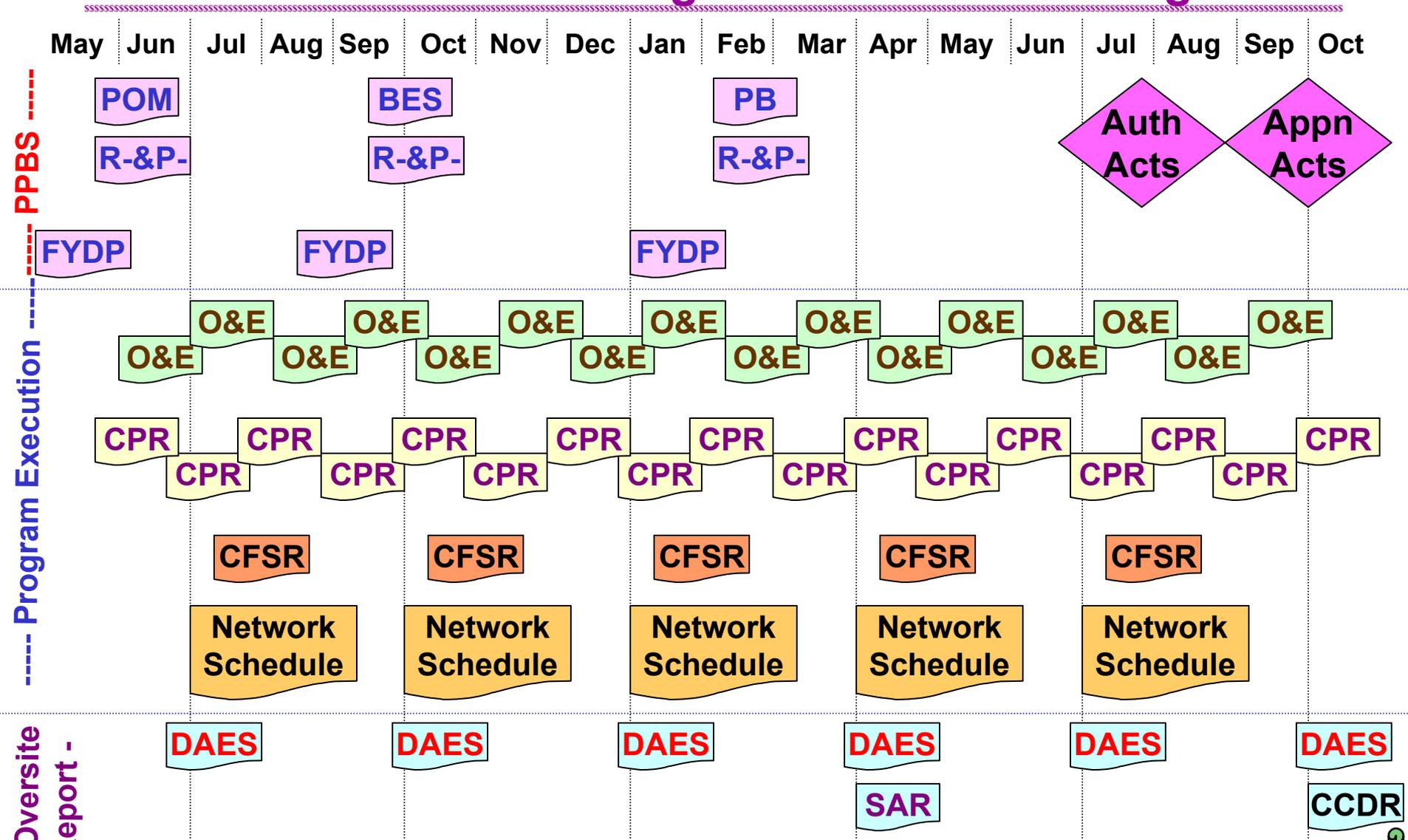
ACAT I PPBS/Budget Execution

Business Financial Management - Process Integration



ACAT I PPBS/Budget Execution

Business Financial Management - Process Integration



BFM Goal: Defendable & Credible Program

Business Managers' Conference - 2001



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