

Business Financial Management Process Integration



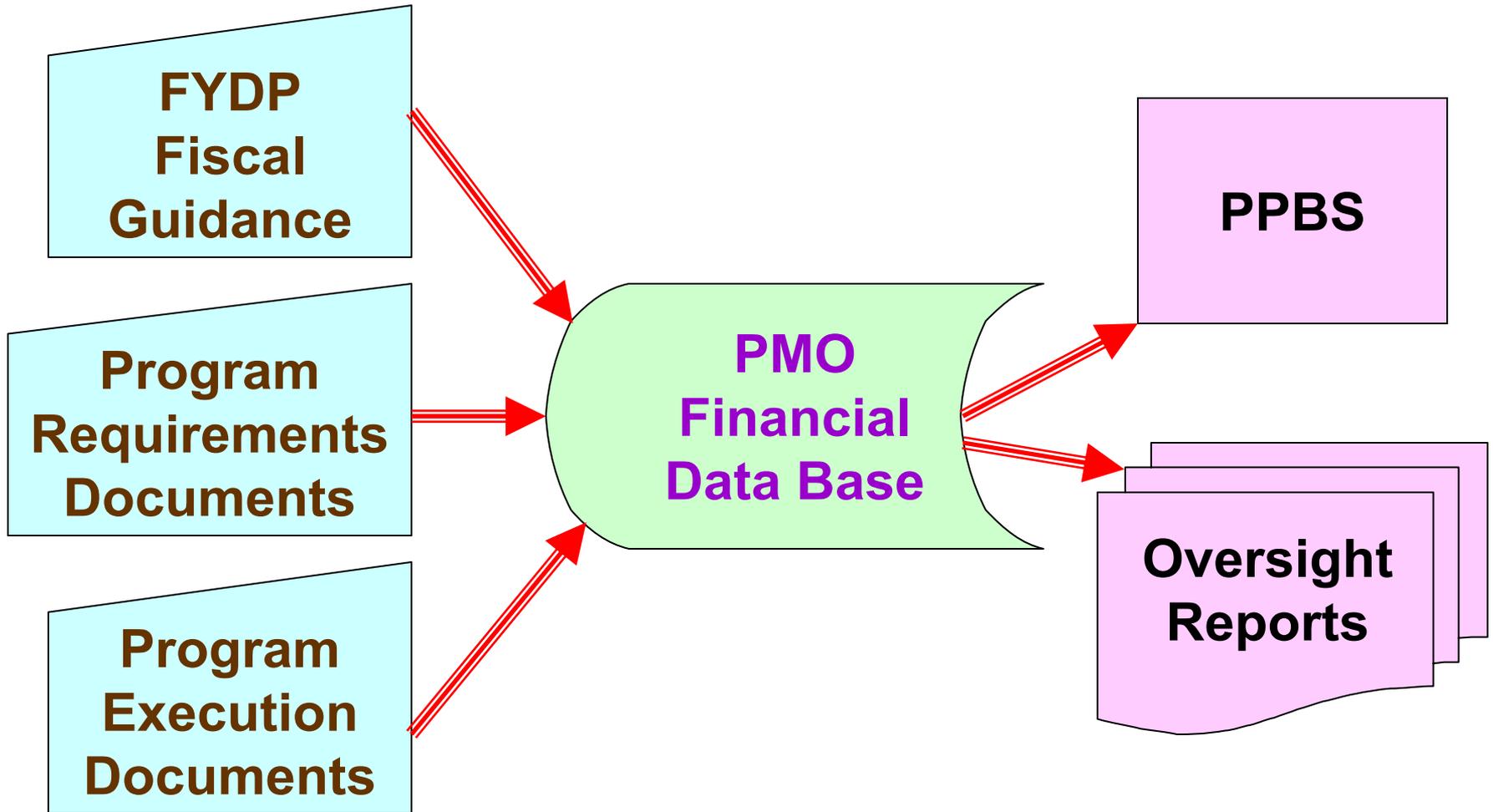
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Business Financial Management Responsibilities



Cost As an Independent Variable CAIV

Produce the Best Product within the Cost Constraint

Must be willing to Trade Requirements for Overall Cost

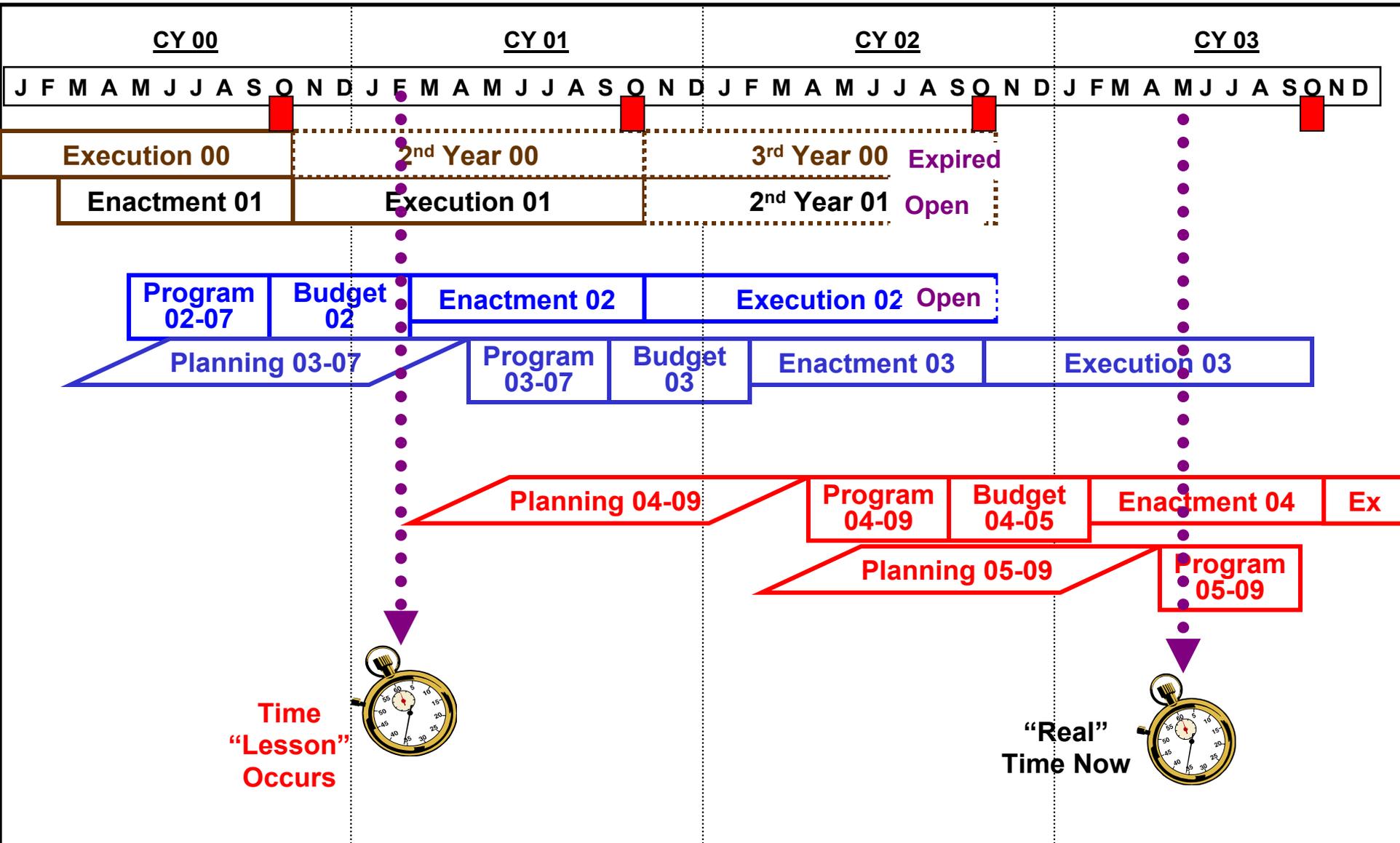


BFM Must Integrate All Aspects of Program

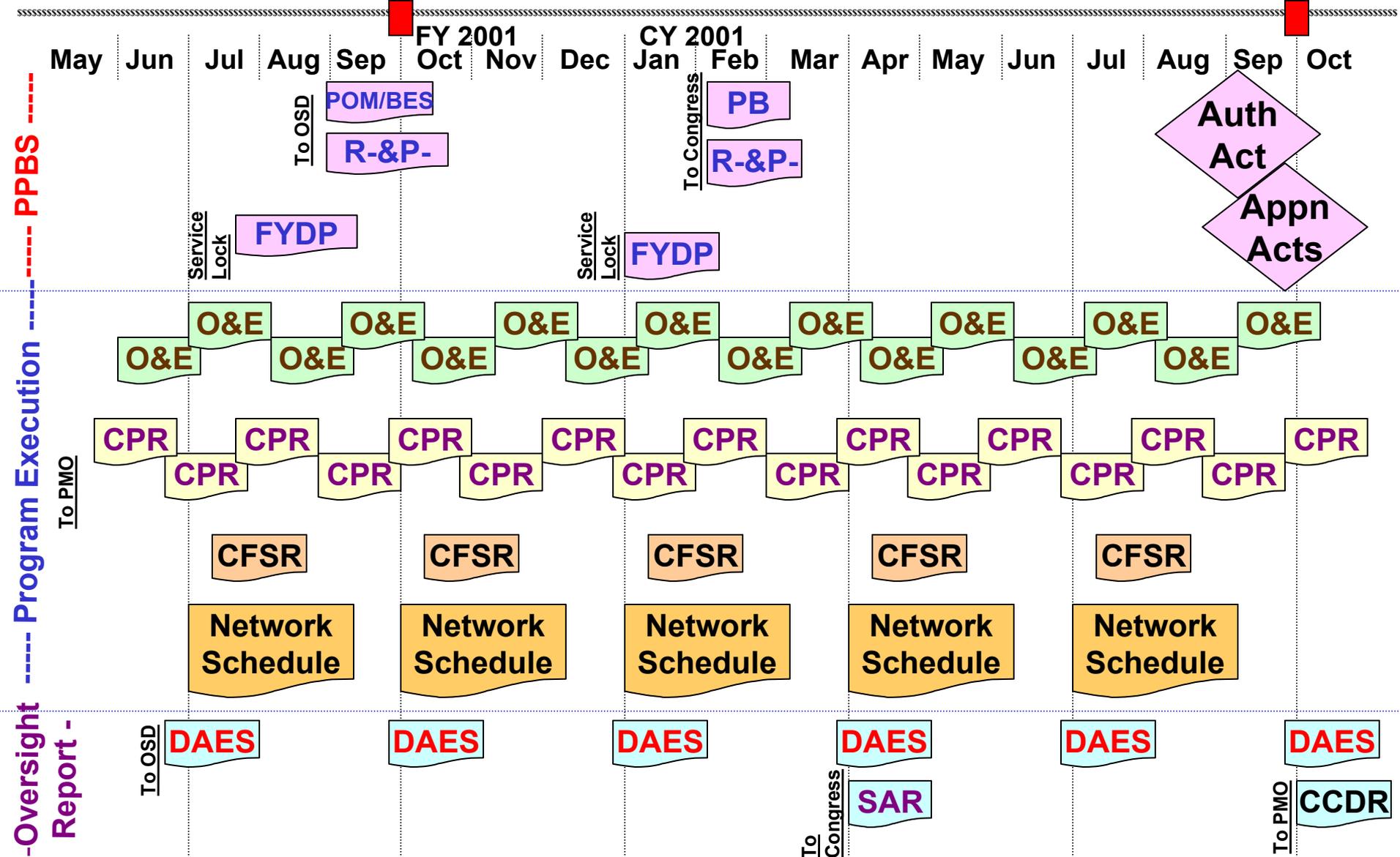
Equals “Integrated Program Management”



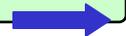
DoD Resource Allocation Process



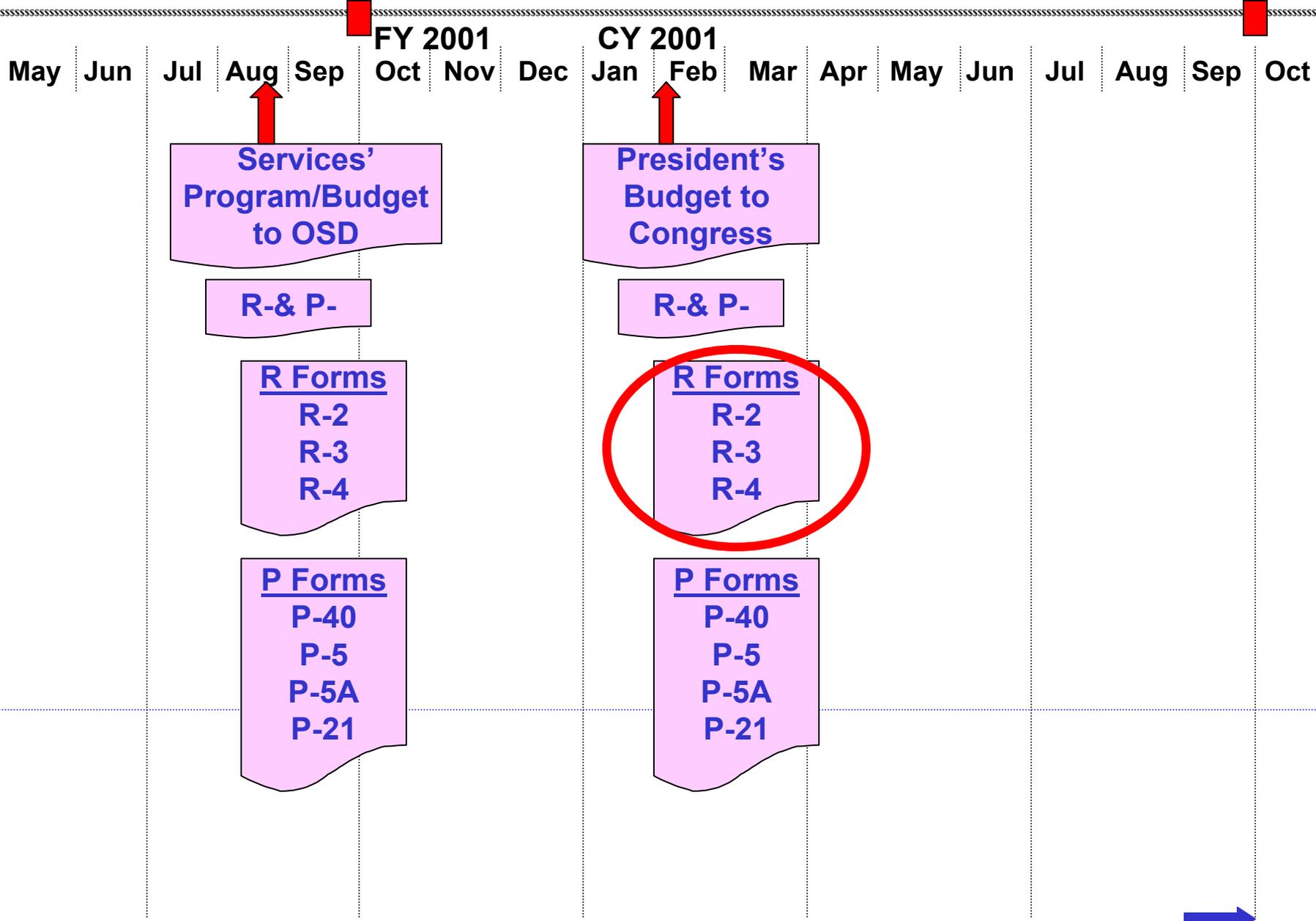
DoD Business Financial Management Integrated Program Management Process Overview



BFM Goal: Defendable & Credible Program



Budget Document Submission



PPBS



R-2 (RDT&E Budget Item Justification)

Exhibit R-2, RDT&E Budget Item Justification					(\$ in Millions)			Date: February 2001			
APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE						
RDT&E AIR FORCE (3600) / BA-5 EMD					P.E. 0604999F GENS PROGRAM						
	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To	Total
	Actual	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	Cost
Total PE Cost	24.031	51.295	55.117	36.745	16.535	0.000	0.000	0.000	0.000	0.000	183.723
P001 GENS	24.031	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

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-term, 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 among terminals throughout the tactical theater. This program is reflected in BA 5 – EMD because it support development of platforms integration solutions, interoperability, sustainment capabilities and test efforts. The FY 02 program provides funds to complete integration of terminals into Air Force platforms; efforts to ensure terminals operate effectively across all host platforms; and complete IOT&E. FY 03 funds will provide for correction of any remaining deficiencies discovered following completion of IOT&E and close-out of EMD.

- FY00 Accomplishments:** Completed development and fabrication of systems.
- FY01 Planned Program:** Provides funds for IOT&E and reports to support EMD efforts and MS III decision.
- FY02 Planned Program:** Provides funds for completion of integration testing, IOT&E and for correction of deficiencies.
- FY03 Planned Program:** Provides funds for correction of deficiencies and close-out of EMD.

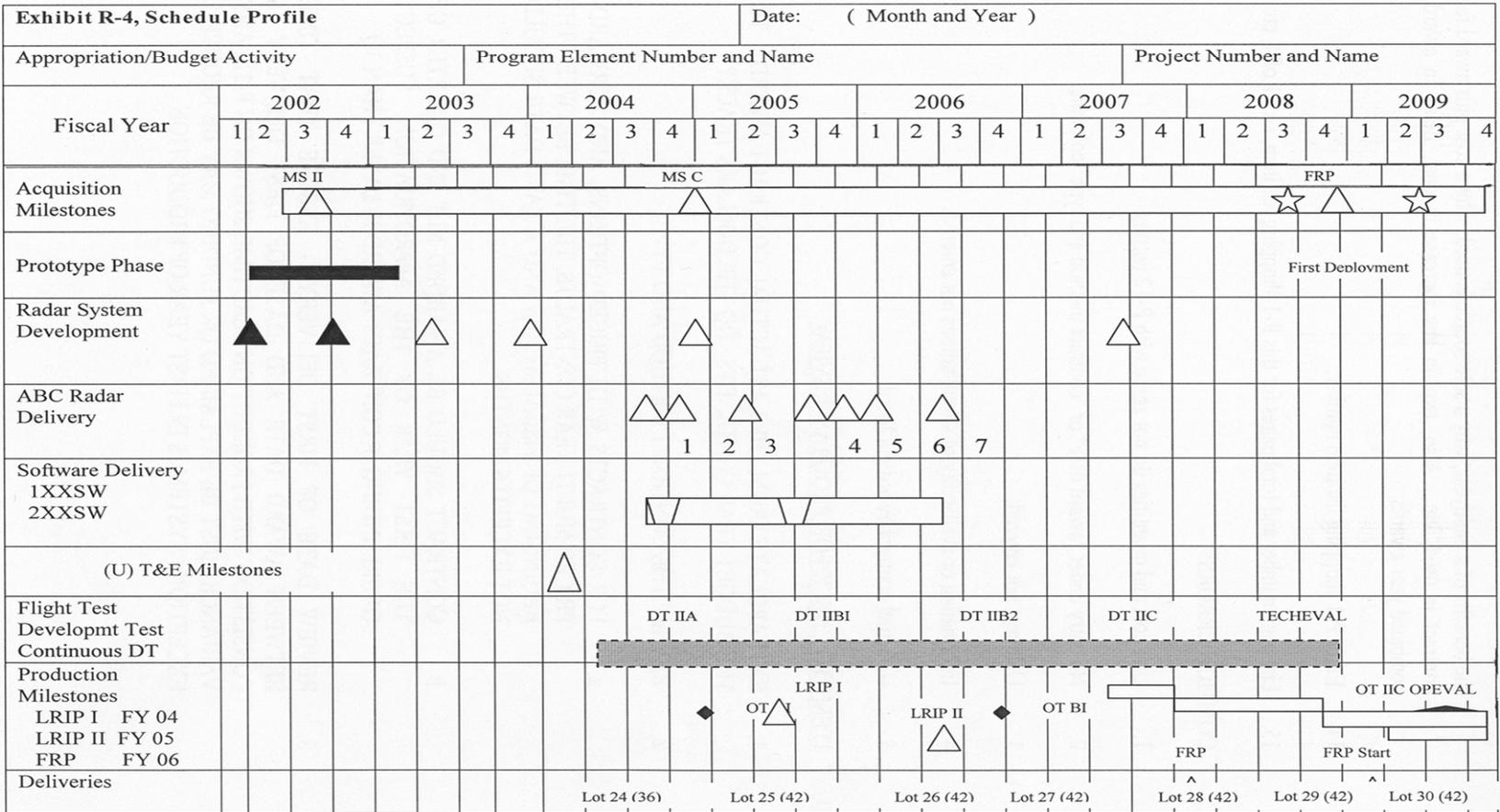
B. Program Change Summary

	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>
FY 2001 President's Budget:	51.295	53.959	35.669	14.377
Appropriated Value:	51.295	53.959		
Adjustment from 2001 PB:	0.000	1.158	1.076	2.158
FY 2002/2003 President's Budget:	51.295	55.117	36.745	16.535



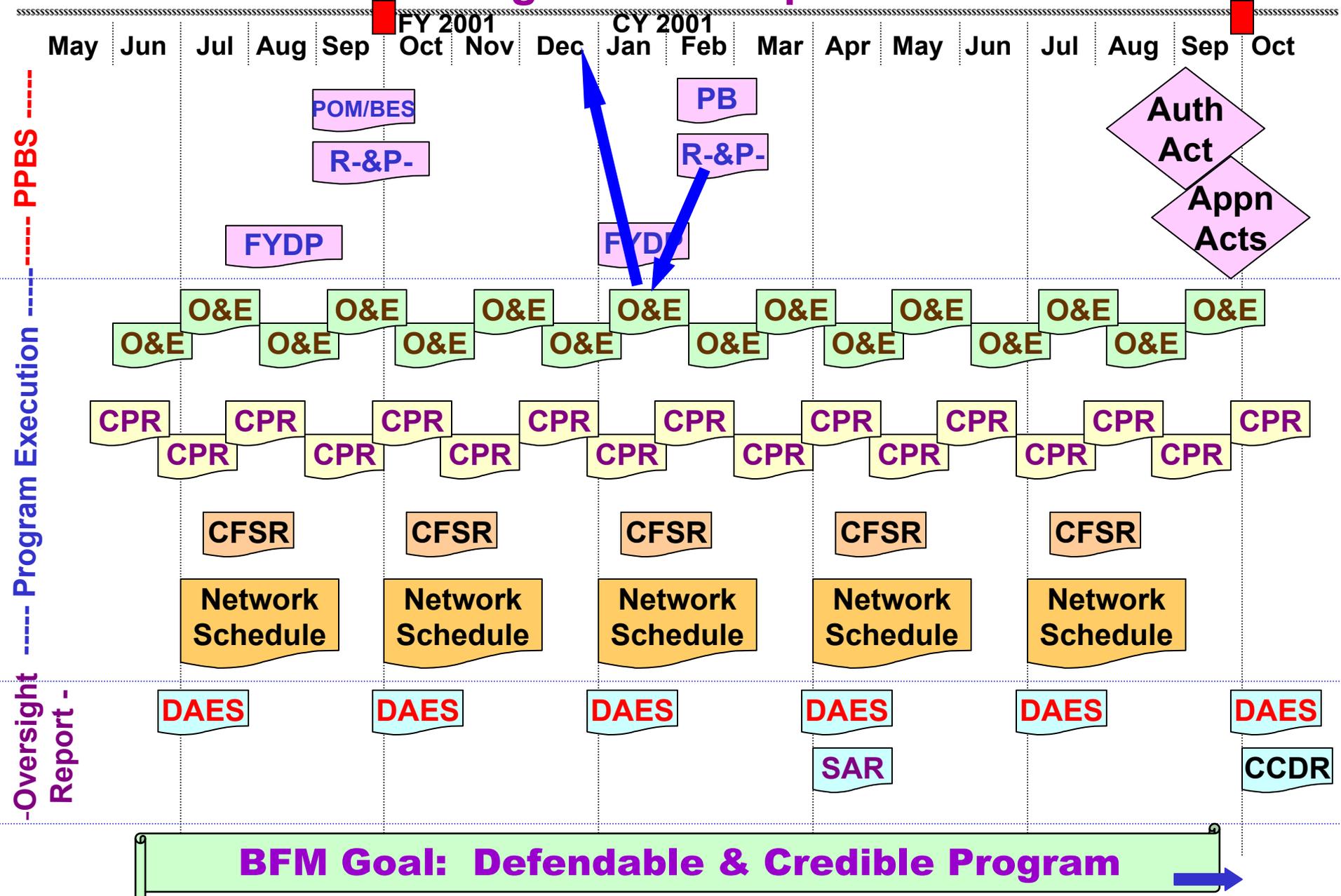
R-3 (RDT&E Project Cost Analysis)

Exhibit R-3, Project Cost Analysis								(\$ in Millions)				Date: February 2001	
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NAME AND NUMBER					
RDT&E Air Force (3600) / 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	8.870	5.299	Nov-00	0.443	Nov-01	0.178	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			14.574	9.749		1.356		0.520		0.000	26.199		
Remarks: \$ 42,256,000 <u>not</u> on Prime Contract													
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 Sup	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: Program Cost \$183,723,000													
Total Cost			75.327	55.117		36.745		16.535		0.000	183.723		
Remarks:													
R-1 Shopping List - Item 92								Exhibit R-3, Project Cost Analysis					
(Page 3 of 3)													



R-4 Schedule Profile - Item No. 20-3 of 20-4

Relationship Between Budget Documents (R & P Forms) and Obligations & Expenditures



GENS Program RDT&E Obligation Plan (as of 31 Dec 00)

FY 00	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50
Comptroller Contract Actual	38.00	39.50	39.50									
PMO Total Forecast	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30
Comptroller Total Actual	49.80	51.30	51.30									
Budget Authority	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30
FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	34.97	34.97	34.97	34.97	34.97	34.97	38.95	38.95	38.95	42.44	42.44	42.44
Comptroller Contract Actual	34.97	34.97	34.97									
PMO Total Forecast	41.31	41.94	42.58	43.21	43.84	44.48	49.09	49.72	50.36	54.48	55.12	55.12
Comptroller Total Actual	38.44	38.44	38.44									
Budget Authority	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12
Cumulative FY 99 - FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	92.97	92.97	92.97	92.97	92.97	92.97	96.95	96.95	96.95	100.44	100.44	100.44
Comptroller Contract Actual	91.47	92.97	92.97									
PMO Total Forecast	116.64	117.27	117.90	118.54	119.17	119.81	124.42	125.05	125.68	129.81	130.44	130.44
Comptroller Total Actual	112.27	113.77	113.77									
Budget Authority	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44

Government Actual
Obligations on Contract as of date shown. Should agree with "Funding Authorized to Date" on CFSR.

Government Planned
Obligations on Contract as of date shown. Should agree with "Contract Work Authorized" on CFSR.



GENS Program RDT&E Obligation Plan

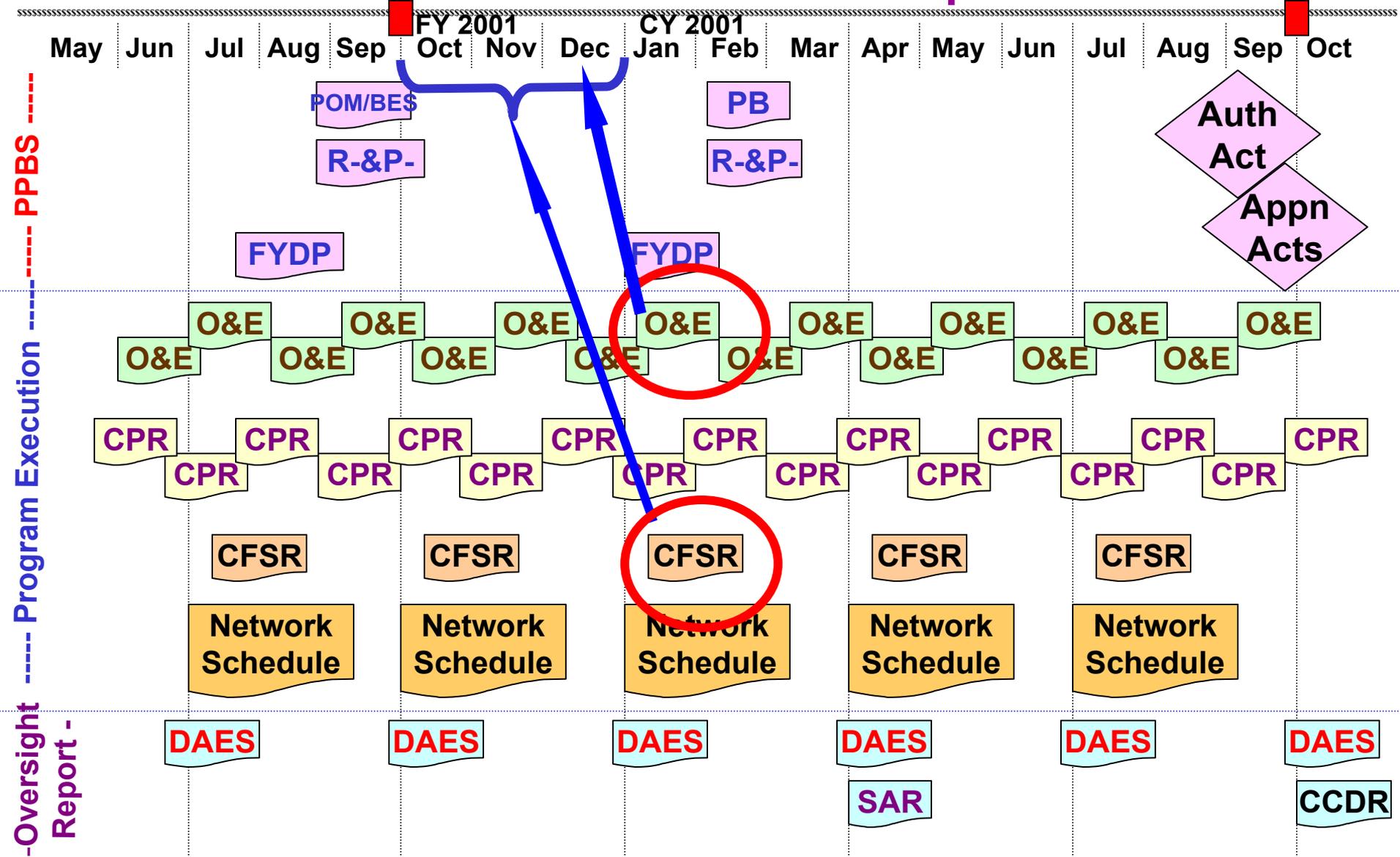
(as of 31 Dec 00)



		FY 00	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
FY 00 Only	}	PMO Contract Forecast	39.50	39.50	39.50
		Comptroller Contract Actual	38.00	39.50	39.50
		PMO Total Forecast	51.30	51.30	51.30
		Comptroller Total Actual	49.80	51.30	51.30
		Budget Authority	51.30	51.30	51.30
		FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
FY 01 Only	}	PMO Contract Forecast	34.97	34.97	34.97
		Comptroller Contract Actual	34.97	34.97	34.97
		PMO Total Forecast	41.31	41.94	42.58
		Comptroller Total Actual	38.44	38.44	38.44
		Budget Authority	55.12	55.12	55.12
		Cumulative FY 99 - FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
All FYs with \$ Obligated	}	PMO Contract Forecast	92.97	92.97	92.97
		Comptroller Contract Actual	91.47	92.97	92.97
		PMO Total Forecast	116.64	117.27	117.90
		Comptroller Total Actual	112.27	113.77	113.77
		Budget Authority	130.44	130.44	130.44



Relationship Between Obligations & Expenditures and Contract Funds Status Report



----- PPBS -----
 ----- Program Execution -----
 ----- Oversight Report -----

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. (\$K) 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	47,365	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	318	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,421	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		92,972	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. (\$K) CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED											
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31			AT COMPLETION
a OPEN COMMITMENTS	3,712	3,946	3,872	3,682	3,517	3,402	1,101	0			0
b ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467			141,467
c TOTAL <i>(12a + 12b)</i>	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467			141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370			141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0			0



1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC RCFYP 99 - 01	5. FISCAL YEAR 00-09-30	7. CONTRACTOR (Name, Address and Zip Code) CSAINTEL 14766 VENTURA BLVD LOS ANGELES, CA 90016	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. FUNDS INFORMATION												
CONTRACT WORK AUTHORIZED												
FORECAST												
LINE ITEM / WBS ELEMENT	APPROPRIATION IDENTIFICATION	FUNDING AUTHORIZED TO DATE	OPEN COMMITMENTS TOTAL	DEFINITE	NOT DEFINITE	SUBTOTAL	NOT YET AUTHORIZED	ALL OTHER WORK	SUBTOTAL	TOTAL REQUIREMENTS	FUND OFF-OVER	NET FUNDS REQUIRED
a	b	c	d	e	f	g	h	i	j	k	l	m
1.1 GENS Terminal	3600F	47,957	34,955	1,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,592	2,269	0	5,258	0	0	0	5,258	0	5,258
1.3 Sys Data	3600F	322	235	344	0	344	0	0	0	344	0	344
Other	3600F	40,926	29,830	3,668	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 (With Res/Paid) - ACTUAL OR PROJECTED												
	TODAY	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31				AT COMPLETION
a. OPEN COMMITMENTS	3,712	3,946	3,872	3,692	3,917	3,402	1,101	0				0
b. ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467				141,467
c. TOTAL (12a + 12b)	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467				141,467
13. FORECAST OF FILLINGS TO THE GOVERNMENT												
	61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370				141,467
14. ESTIMATED TERMINATION COSTS												
	7,469	7,345	7,128	6,983	6,527	6,174	1,499	0				0

Contract Funds Status Report

Specific contract
Single appropriation
Limited fiscal years

Cumulative to Date

11.	(\$K)		
LINE ITEM / WBS ELEMENT	APPROPRIATION IDENTIFICATION	FUNDING AUTHORIZED TO DATE	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL
a	b	c	d
1.1 GENS Terminal	3600	47,365	34,955
1.2 Sys Engr / Pgm Mgt	3600	4,868	3,592
1.3 Sys Data	3600	318	235
1.4 Other	3600	40,421	29,830
TOTAL		92,972	68,611

At Price



1. CONTRACT NUMBER F-19628-99-C-0035		3. CONTRACT FUNDING FOR INC FCRFP 99-01		5. PREVIOUS REPORT DATE 00-09-30		7. CONTRACTOR (Name, Address and zip code) CSAINTEL 14766 VENTURA BELVO LOS ANGELES, CA 90706		9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000			
2. CONTRACT TYPE QPAF		4. AFFORDATION FDTRE (3600)		6. CURRENT REPORT DATE 00-12-31		8. PROGRAM GENS		10. ADJUSTED CONTRACT PRICE a. TARGET 141,467			
11.											
LINE ITEM / WBS ELEMENT	AFFORDATION CODE / REPORTING PERIOD	PLANNING AUTHORITY TO DATE	CONTRACT WORK AUTHORIZED			FORECAST			TOTAL REQUIREMENTS	FUNDS OBLIGATION	NET FUNDS REQUIRED
			DEFINITIZED	NOT DEFINITIZED	SUBTOTAL	DEFINITIZED	NOT DEFINITIZED	SUBTOTAL			
1.1 GENS Terminal	380UF	47,957	4,955	51,171	0	51,171	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	380UF	4,929	3,692	5,259	0	5,259	0	0	5,259	0	5,259
1.3 Sys Data	380UF	322	225	344	0	344	0	0	344	0	344
1.4 Other	380UF	40,926	43,668	43,668	0	43,668	0	0	43,668	0	43,668
TOTAL		94,134	92,540	100,441	0	100,441	0	0	100,441	0	100,441
12. CONTRACT WORK AUTHORIZED - ACTUAL OR PROJECTED											
		ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31		AT COMPLETION
a. OPEN COMMITMENTS		3,712	3,946	3,872	3,692	3,917	3,402	1,101	0		0
b. ACCRUED EXPENDITURES		64,889	68,202	71,813	75,539	86,314	97,039	127,634	141,467		141,467
c. TOTAL (12a + 12b)		68,601	72,148	75,685	79,231	89,831	100,441	128,735	141,467		141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT											
		61,353	3,918	3,257	3,465	10,775	10,725	30,594	17,370		141,467
14. ESTIMATED TERMINATION COSTS											
		7,469	7,345	7,128	6,983	6,527	6,174	1,439	0		0

Contract Funds Status Report

Authorized work
FY 99 to FY 01

Total Authorized

At Price

LINE ITEM / WBS ELEMENT	CONTRACT WORK AUTHORIZED		
	DEFINITIZED	NOT DEFINITIZED	SUBTOTAL
	e	f	g
1.1 GENS Terminal	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	5,259	0	5,259
1.3 Sys Data	344	0	344
1.4 Other	43,668	0	43,668
TOTAL	100,441	0	100,441



1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC FCRFP 99-01	5. PERIOD REPORT DATE 00-09-30	7. CONTRACTOR (Name, Address and zip code) CSAINTEL 14766 VENTURA BLVD LOS ANGELES, CA 90076	8. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000								
2. CONTRACT TYPE CPAF	4. AFFORDATION FDTBE (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE a. TARGET 141,467								
11. FUNDS INFORMATION												
LINE ITEM / WBS ELEMENT	AFFORDATION FOR FUND	FUNDING AUTHORIZED TO DATE	ACTUAL EXPENDITURES OPEN COMMITMENTS TOTAL			FORECAST			TOTAL REVENUES	FUNDS CARRY OVER	NET FUNDS REQUIRED	
			DEFINIZED	NOT DEFINIZED	TOTAL	NOT YET AUTHORIZED	ALL OTHER WORK	SUBTOTAL				
1.1 GENS Terminal	3800F	47,957	34,956	51,171	0	51,171	0	0	0	1,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3800F	4,929	3,692	5,299	0	5,299	0	0	0	3,299	0	5,299
1.3 Sys Data	3800F	322	226	344	0	344	0	0	0	344	0	344
1.4 Other	3800F	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 (With Res Prior) - Actuals (Reported)												
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-05-31	01-09-30	02-09-30	03-07-31				AT COMPLETION
a. OPEN COMMITMENTS	3,712	3,946	3,872	3,692	3,917	3,402	1,101	0				0
b. ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467				141,467
c. TOTAL (12a + 12b)	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467				141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918	3,257	3,466	10,775	10,725	30,594	17,370				141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,126	6,983	6,527	6,174	1,499	0				0

Contract Funds Status Report

Projected requirements for work not on contract

Forecast, Not Authorized

At Price

LINE ITEM / WBS ELEMENT a	FORECAST		
	NOT YET AUTHORIZED	ALL OTHER WORK	SUBTOTAL
	h	i	j
1.1 GENS Terminal	0	0	0
1.2 Sys Engr / Pgm Mgt	0	0	0
1.3 Sys Data	0	0	0
1.4 Other	0	0	0
TOTAL	0	0	0



1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC FCRFP 99-01	5. PREVIOUS REPORT DATE 00-09-30	7. CONTRACTOR (Name, Address and Zip Code) CSAINTEL 14766 VENTURA BLVD LOS ANGELES, CA 90016	9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000								
2. CONTRACT TYPE CPAF	4. AFFORDATION FOTBE (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE 141,467								
11. FUNDS INFORMATION												
LINE ITEM / WBS ELEMENT a	AFFORDATION b	FUNDING AUTHORIZED TO DATE c	ACTUAL EXPENDITURES OPEN COMMITMENTS TOTAL			FORECAST			TOTAL REQUIREMENTS k	FUNDS CARRY OVER i	NET FUNDS REQUIRED m	
			DEFINIZED d	NOT DEFINIZED e	SUBTOTAL f	NOT YET AUTHORIZED g	ALL OTHER WORK h	TOTAL j				
1.1 GENS Terminal	3600F	47,957	34,956	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,929	3,692	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	322	226	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 (With Fee Profit) - ACTUAL OR PROJECTED												
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-05-31	01-09-30	02-09-30	03-07-31			AT COMPLETION	
a	OPEN COMMITMENTS	3,712	3,946	3,672	3,692	3,917	3,402	1,101	0			0
b	ACCUMULATED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467			141,467
c	TOTAL (12a + 12b)	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467			141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT												
		61,363	3,918	3,257	3,466	10,775	10,725	30,594	17,370			141,467
14. ESTIMATED TERMINATION COSTS												
		7,469	7,345	7,128	6,983	6,527	6,174	1,499	0			0

Contract Funds Status Report

Funds Required

At Price

LINE ITEM / WBS ELEMENT a	TOTAL REQUIREMENTS k	FUNDS CARRY OVER i	NET FUNDS REQUIRED m
1.1 GENS Terminal	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	5,259	0	5,259
1.3 Sys Data	344	0	344
1.4 Other	43,668	0	43,668
TOTAL	100,441	0	100,441



1. CONTRACT NUMBER F-19628-99-C-0035	3. CONTRACT FUNDING FOR INC RCRFPY 99-01	5. PREVIOUS REPORT DATE 00-09-30	7. CONTRACTOR (Name, Address and Zip Code) CSAINTEL 14766 VENTURA BLVD LOS ANGELES, CA 90016	9. INITIAL CONTRACT PRICE a. TARGET 141,467 b. CEILING 163,000									
2. CONTRACT TYPE CPAF	4. AFFORDATION FDTR (3600)	6. CURRENT REPORT DATE 00-12-31	8. PROGRAM GENS	10. ADJUSTED CONTRACT PRICE a. TARGET 141,467									
11. FUNDS INFORMATION													
LINE ITEM VES ELEMENT	AFFO RATION CONTR FOR BON	FUNDING AUTHOR TO DATE c	ADJUSTED EXPENDITURES OPEN COMMITMENTS TOTAL d		FORECAST					TOTAL REQUIRE MENTS k	FUNDS OFRY OFR l	NET FUNDS REQUIRED m	
			DEFINIZED e	NOT DEFINIZED f	SUBTOTAL g	NOT YET AUTHORIZED h	ALL OTHER WORK i	SUBTOTAL j					
1.1 GENSTomrnl	3800F	47,957	34,956	51,171	0	51,171	0	0	0	0	51,171	0	51,171
1.2.9sEgr/ PgrMgt	3800F	4,929	3,692	5,299	0	5,299	0	0	0	0	5,299	0	5,299
1.3.9sData	3800F	322	226	344	0	344	0	0	0	0	344	0	344
1.4 Other	3800F	40,926	29,830	43,668	0	43,668	0	0	0	0	43,668	0	43,668
TOTAL		94,134	68,611	100,441	0	100,441	0	0	0	0	100,441	0	100,441
12. CONTRACT WORK AUTHORIZED (With ResPct) - ACTUAL OR PROJECTED													
		ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31				COMPLETION
a OPEN COMMITMENTS		3,712	3,946	3,872	3,682	3,517	3,402	1,101	0				0
b ACCRUED EXPENDITURES		64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467				141,467
c TOTAL (12a + 12b)		68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467				141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT		61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370				141,467
14. ESTIMATED TERMINATION COSTS		7,469	7,345	7,128	6,983	6,527	6,174	1,439	0				0

Contract Funds Status Report

Estimates by period
Time-phased per CDRL
requirement

At Price

	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31
a OPEN COMMITMENTS	3,712	3,946	3,872	3,682	3,517	3,402	1,101	0
b ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467
c TOTAL (12a + 12b)	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0



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. (\$K) 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	47,365	34,945	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,512	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	318	215	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,421	29,800	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		92,972	68,472						0	100,441	0	100,441

Obligations as of Report Date

12. (\$K) CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED										
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31		AT COMPLETION
a OPEN COMMITMENTS	3,712	3,946	3,872	3,682	3,517	3,402	1,101	0		0
b ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467		141,467
c TOTAL <i>(12a + 12b)</i>	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467		141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370		141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0		0



CFSR vs Obligation Plan

CFSR

11. (\$K)			
LINE ITEM / WBS ELEMENT a	APPROPRIATION IDENTIFICATION b	FUNDING AUTHORIZED TO DATE c	ACCRUED EXPENDITURES OPEN COMMITMENTS TOTAL d
1.1 GENS Terminal	3600	47,365	34,955
1.2 Sys Engr / Pgm Mgt	3600	4,868	3,592
1.3 Sys Data	3600	318	235
1.4 Other	3600	40,421	29,830
TOTAL		92,972	68,611

Possible Differences:

- Contract performance
- Contractor posting lag
- Comptroller posting lag

Obligation Plan

Cumulative FY 99 - FY 01	Oct-00	Nov-00	Dec-00
PMO Contract Forecast	92.97	92.97	92.97
Comptroller Contract Actual	91.47	92.97	92.97
PMO Total Forecast	116.64	117.27	117.90
Comptroller Total Actual	112.27	113.77	113.77
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. (\$K) 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	47,365	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	318	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,421	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		92,972	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. (\$K) CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED											
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31			AT COMPLETION
a OPEN COMMITMENTS	2,712	3,900	3,800	3,680	3,517	3,402	1,101	0			0
b ACCRUED EXPENDITURES	64,899	64,899	64,899	64,899	64,899	97,039	127,634	141,467			141,467
c TOTAL <i>(12a + 12b)</i>	68,611	72,140	75,685	79,221	89,831	100,441	128,735	141,467			141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363				10,775	10,725	30,594	17,370			141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0			0

Expenditures

Billings



GENS Program RDT&E Expenditure Plan (as of 31 Dec 00)

FY 00	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	23.30	24.88	26.46	28.04	29.62	31.20	32.39	33.57	34.76	35.94	36.73	37.52
DFAS Contract Actual	18.96	20.54	22.12									
PMO Total Forecast	32.27	34.20	36.14	38.07	39.89	41.70	43.12	44.54	45.97	47.27	48.18	49.08
DFAS Total Actual	25.21	27.26	29.32									
Budget Authority	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30	51.30
FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	0.00	0.00	3.40	5.09	6.37	8.06	9.34	11.46	14.43	17.82	21.22	24.19
DFAS Contract Actual	0.00	0.00	2.97									
PMO Total Forecast	0.00	0.00	4.16	6.61	9.03	12.50	14.15	16.78	20.89	25.56	29.71	33.32
DFAS Total Actual	0.00	0.00	3.60									
Budget Authority	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12	55.12
Cumulative FY 99 - FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
PMO Contract Forecast	41.07	42.83	47.99	51.45	54.31	57.59	60.04	63.35	67.51	72.09	76.27	80.22
DFAS Contract Actual	35.61	37.56	42.48									
PMO Total Forecast	55.34	57.51	63.84	69.48	72.71	77.99	81.07	85.12	90.65	96.62	101.68	106.43
DFAS Total Actual	47.01	49.54	55.75									
Budget Authority	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44	130.44



At Price

GENS Program RDT&E Expenditure Plan

(as of 31 Dec 00)

At Price

		FY 00	<u>Sep-00</u>	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
FY 00 Only	PMO Contract Forecast			23.30	24.88	26.46
	DFAS Contract Actual			18.96	20.54	22.12
	PMO Total Forecast			32.27	34.20	36.14
	DFAS Total Actual			25.21	27.26	29.32
	Budget Authority			51.30	51.30	51.30
		FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	
FY 01 Only	PMO Contract Forecast		0.00	0.00	0.00	3.40
	DFAS Contract Actual		0.00	0.00	0.00	2.97
	PMO Total Forecast		0.00	0.00	0.00	4.16
	DFAS Total Actual		0.00	0.00	0.00	3.60
	Budget Authority		55.12	55.12	55.12	55.12
		Cumulative FY 99 - FY 01	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>	
All FYs with \$ Obligated	PMO Contract Forecast		41.07	42.83	47.99	
	DFAS Contract Actual		35.61	37.56	42.48	
	PMO Total Forecast		55.34	57.51	63.84	
	DFAS Total Actual		47.01	49.54	55.75	
	Budget Authority		130.44	130.44	130.44	



CFSR Expenditures+Commitments vs. Billings

CFSR

12. CONTRACT WORK		
	ACTUAL TO DATE	01-01-31
a OPEN COMMITMENTS	3,712	3,946
b ACCRUED EXPENDITURES	64,899	68,202
c TOTAL <i>(12a + 12b)</i>	68,611	72,148
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918
14. ESTIMATED TERMINATION COSTS	7,469	7,345

Why Differences?

- Can only bill actual incurred cost
- Contract may not allow billing at 100%
- Timing lag



CFSR Billings vs Expenditure Plan

CFSR

12. CONTRACT WORK		
	ACTUAL TO DATE	01-01-31
a OPEN COMMITMENTS	3,712	3,946
b ACCRUED EXPENDITURES	64,899	68,202
c TOTAL (12a + 12b)	68,611	72,148
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918
14. ESTIMATED TERMINATION COSTS	7,469	7,345

Why Differences?

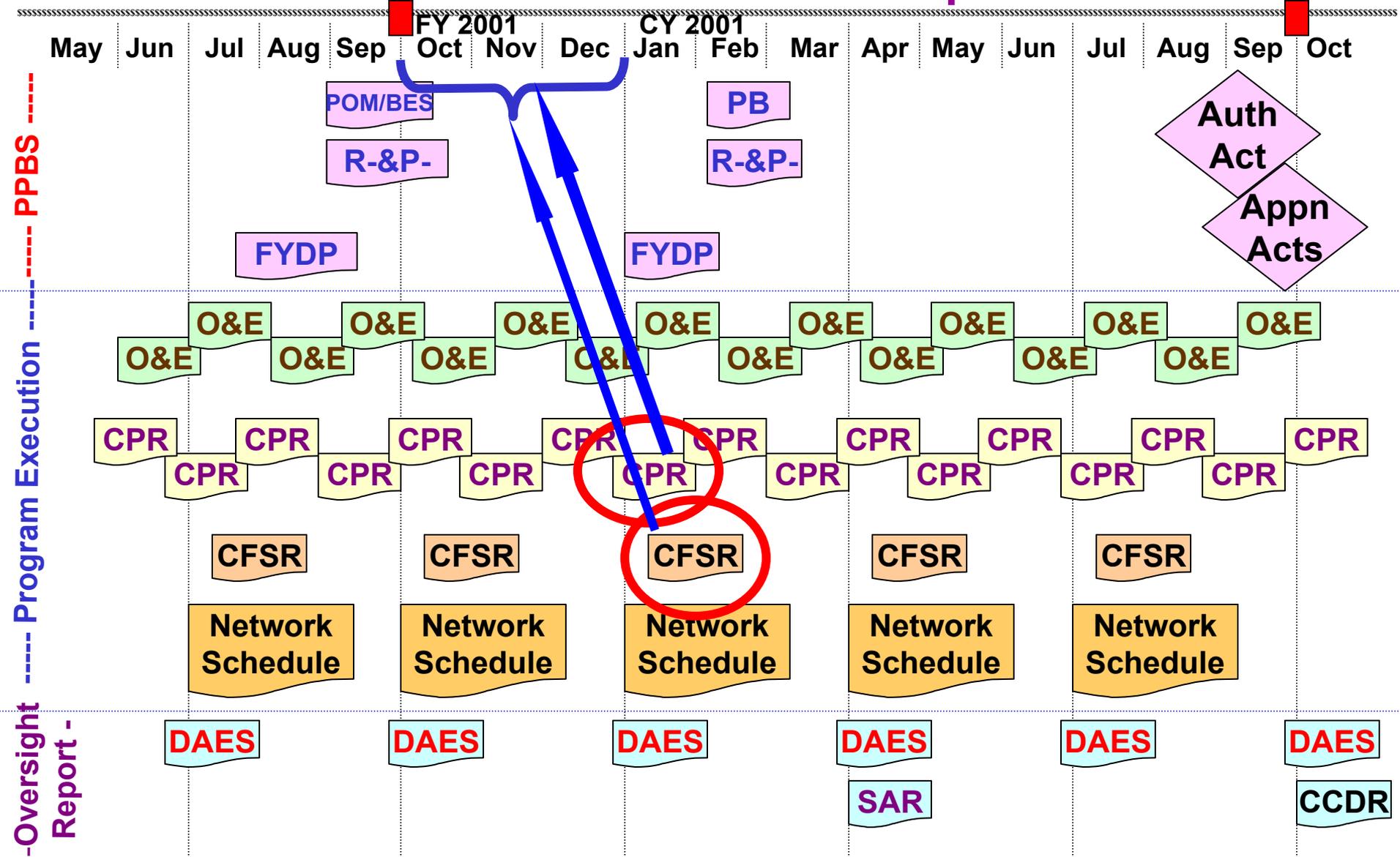
- Program performance
- Timing of entries
- Billed vs. Paid
- Posting errors

Expenditures

Cumulative FY 99 - FY 01	Oct-00	Nov-00	Dec-00
PMO Contract Forecast	41.07	42.83	47.99
DFAS Contract Actual	35.61	37.56	42.48
PMO Total Forecast	55.34	57.51	63.84
DFAS Total Actual	47.01	49.54	55.75
Budget Authority	130.44	130.44	130.44



Relationship Between Cost Performance Report and Contract Funds Status Report



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 <i>(YYMMDD)</i> 00-11-01					
b. LOCATION <i>(Address and ZIP Code)</i> 14766 VENTURA BLVD. LOS ANGELES, CA 98706				b. NUMBER F-19628-99-C-0035				b. PHASE <i>(None)</i> X RDT&E <input type="checkbox"/> PRODUCTION <input type="checkbox"/>				b. TO <i>(YYMMDD)</i> 00-11-30					
c. TYPE CPAF				d. SHARE RATIO N/A													
5. CONTRACT DATA <i>(\$K)</i>																	
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 <i>(\$K)</i>								7. AUTHORIZED CONTRACTOR REPRESENTATIVE									
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME <i>(Last, First, Middle Initial)</i> 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 <i>(YYMMDD)</i> 00-12-22							
b. WORST CASE 132,500																	
c. MOST LIKELY 130,486		130,150		-336													
8. PERFORMANCE DATA <i>(\$K)</i>																	
WORK BREAK DOWN STRUCTURE																	
CURRENT PERIOD																	
CUMULATIVE TO DATE																	
REPROGRAM ADJUSTMENT																	
AT COMPLETION																	
ITEM (1)	BUDGETED COST WORK SCHEDULED (2)		ACTUAL COST WORK PERFORMED (4)		VARIANCE SCHEDULE (5) COST (6)		BUDGETED COST WORK SCHEDULED (7)		ACTUAL COST WORK PERFORMED (9)		VARIANCE SCHEDULE (10) COST (11)		COST VARIANCE (12) BUDGET (13)		BUDGETED (14) ESTIMATED (15) VARIANCE (16)		
NUM	DESCRPT	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	128,386	-4,339
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	65,799	-2,650
1.1.1	Receiver Transmitter	3	120	115	125	-5	-10	1,328	1,145	1,481	-183	-336	0	0	8,596	8940	-344
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	32132	-936
1.1.4	Interface Un it Hardware	3	150	140	145	-10	-5	1,287	1,340	1,150	53	190	0	0	1,850	1869	-19
1.1.5	Interface Un it 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	181	-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	55592	-1,619
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 <i>(Performance Measurement Baseline)</i>			4,181	3,873	4,421	-155	-548	54,773	50,124	57,203	-4,649	-7,079	0	0	126,147	130,486	-4,339
f. MANAGEMENT RESERVE													0	0	4,003		
g. TOTAL			4,181	3,873	4,421	-308	-548	54,773	50,124	57,203	-4,649	-7,079	0	0	130,150		
9. RECONCILIATION TO CONTRACT BUDGET BASE																	
a. VARIANCE ADJUSTMENT																	
b. TOTAL CONTRACT VARIANCE																	
0 0																	
0 0																	



1. CONTRACTOR a. NAME GENS INTL.		2. CONTRACT a. NAME GENS		3. REPORT PERIOD 11/1/2000	
b. LOCATION (Address and ZIP Code) 14766 VENTURA BLVD. LOS ANGELES, CA 90706		c. NUMBER F-19628-99-C-0035		d. TO (YYMMDD) 11/30/2000	
5. CONTRACT DATA		6. EST. COST AUTHOR. CEILING UNPRICED WORK		7. ESTIMATED CONTRACT CEILING	
a. QUANTITY 8		b. EST. COST 130,150		c. CONTRACT PRICE 163,000	
8. ESTIMATED COST AT COMPLETION		9. AUTHORIZED CONTRACTOR REPRESENTATIVE		10. TITLE	
a. MANAGEMENT ESTIMATE AT COMPLETION 130,150		b. NAME (Last, First, Middle Initial) Mr. Oscar Johnson Jr.		c. DATE SIGNED 12/22/2000	
d. BEST CASE 133,551		e. SIGNATURE Oscar Johnson Jr.		f. DATE SIGNED 12/22/2000	
g. WORST CASE 133,551		h. MOST LIKELY 130,150		i. MOST LIKELY 130,150	

Cost Performance Report Format 1

Performance Data by WBS

Current
Cumulative
At Completion

8. PERFORMANCE DATA		9. CUMULATIVE TO DATE		10. REPROGRAM ADJUSTMENT	
a. BUDGETED COST		b. ACTUAL		c. VARIANCE	
WORK SCHEDULED PERFORMED		WORK COST WORK SCHEDULED PERFORMED		WORK COST WORK SCHEDULED PERFORMED	
(1) (2) (3)		(4) (5) (6)		(7) (8) (9)	

9. SUBTOTAL (Performance Measurement Baseline)		4,811		3,873		4,421		-155		-548		54,773		50,124		57,203		-6,649		-7,079		0		126,147		129,548		-3,401	
10. MANAGEMENT RESERVE																								4,003					
11. TOTAL		4,811		3,873		4,421		-308		-548		54,773		50,124		57,203		-6,649		-7,079		0		130,150					

NUM	DESCRIPT	WBS LVL	CURRENT PERIOD		CUMULATIVE TO DATE		
			BUDGETED COST SCHEDULED	ACTUAL COST WORK PERFORMED	BUDGETED COST SCHEDULED	ACTUAL COST WORK PERFORMED	VARIANCE COST
1.0	GENS SYS System	1	3,971	3,600	3,971	3,600	-371
1.1	GENS Terminal	2	1,590	1,700	1,590	1,700	110
1.1.1	Receiver Transmitter	3	120	115	120	115	-5
1.1.2	Digital Data Processor Gp	3	215	210	202	-5	8
1.1.3	Power Package	3	600	698	700	98	-2
1.1.4	Interface Unit Hardware	3	150	140	145	-10	5
1.1.5	Interface Unit Software	3	505	550	598	45	-48
1.2	Sys Eng / Project Mgmt	2	241	250	215	9	35
1.3	System Data	2	35	32	36	-3	4
1.4	Other Other	2	2,105	1,698	2,185	-407	19,457

CURRENT PERIOD		CUMULATIVE TO DATE	
WORK SCHEDULED	WORK PERFORMED	WORK SCHEDULED	WORK PERFORMED
(2)	(3)	(4)	(5)

CURRENT PERIOD		CUMULATIVE TO DATE	
WORK SCHEDULED	WORK PERFORMED	WORK SCHEDULED	WORK PERFORMED
(2)	(3)	(4)	(5)
CURRENT PERIOD		CUMULATIVE TO DATE	
ACTUAL COST WORK PERFORMED	VARIANCE COST	ACTUAL COST WORK PERFORMED	VARIANCE COST
(6)	(7)	(8)	(9)

AT COMPLETION		
BUDGETED	ESTIMATED	VARIANCE
(14)	(15)	(16)
124,047	128,386	-4,339
63,149	65,799	-2,650
8,596	8940	-344
2,554	2580	-26
31,196	32132	-936
1,850	1869	-19

At Cost



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. (\$K) 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	47,365	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	318	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,421	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		92,972	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. (\$K) CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED											
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31			AT COMPLETION
a OPEN COMMITMENTS	3,712	3,946	3,872	3,682	3,517	3,402	1,101	0			0
b ACCRUED EXPENDITURES	64,899	68,202	71,813	75,539	86,314	97,039	127,634	141,467			141,467
c TOTAL <i>(12a + 12b)</i>	68,611	72,148	75,685	79,221	89,831	100,441	128,735	141,467			141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918	3,257	3,465	10,775	10,725	30,594	17,370			141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0			0



CFSR vs CFSR

9. INITIAL CONTRACT PRICE	
a. TARGET	141,467
b. CEILING	163,000
10. ADJUSTED CONTRACT PRICE	
a. TARGET	141,467

**Why Differences?
For planned completion, expenditures should equal target price!**

CFSR

	AT COMPLETION
a OPEN COMMITMENTS	0
b ACCRUED EXPENDITURES	141,467
c TOTAL <i>(12a + 12b)</i>	141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	141,467
14. ESTIMATED TERMINATION COSTS	0



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 <i>(YYMMDD)</i> 00-11-01						
b. LOCATION <i>(Address and ZIP Code)</i> 14766 VENTURA BLVD. LOS ANGELES, CA 98706				b. NUMBER F-19628-99-C-0035				b. PHASE <i>(None)</i> X RDT&E <input type="checkbox"/> PRODUCTION <input type="checkbox"/>				b. TO <i>(YYMMDD)</i> 00-11-30						
c. TYPE CPAF				d. SHARE RATIO N/A														
5. CONTRACT DATA <i>(\$K)</i>																		
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 <i>(\$K)</i>								7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME <i>(Last, First, Middle Initial)</i> 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 <i>(YYMMDD)</i> 00-12-22								
b. WORST CASE 132,500																		
c. MOST LIKELY 130,486		130,150		-336														
8. PERFORMANCE DATA <i>(\$K)</i>																		
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		COST VARIANCE (12)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
	SCHEDULED (2)	PERFORMED (3)	SCHEDULED (4)	COST (5)	SCHEDULED (7)	PERFORMED (8)	SCHEDULED (9)	COST (10)	SCHEDULED (11)	COST (11)								
NUM	DESCRPT	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	128,386	-4,339	
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	65,799	-2,650	
1.1.1	Receiver Transmitter	3	120	115	125	-5	-10	1,328	1,145	1,481	-183	-336	0	0	8,596	8940	-344	
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	32132	-936	
1.1.4	Interface Un it Hardware	3	150	140	145	-10	-5	1,287	1,340	1,150	53	190	0	0	1,850	1869	-19	
1.1.5	Interface Un it 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	181	-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	55592	-1,619	
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 <i>(Performance Measurement Baseline)</i>			4,181	3,873	4,421	-155	-548	54,773	50,124	57,203	-4,649	-7,079	0	0	126,147	130,486	-4,339	
f. MANAGEMENT RESERVE													0		4,003			
g. TOTAL			4,181	3,873	4,421	-308	-548	54,773	50,124	57,203	-4,649	-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

At Price

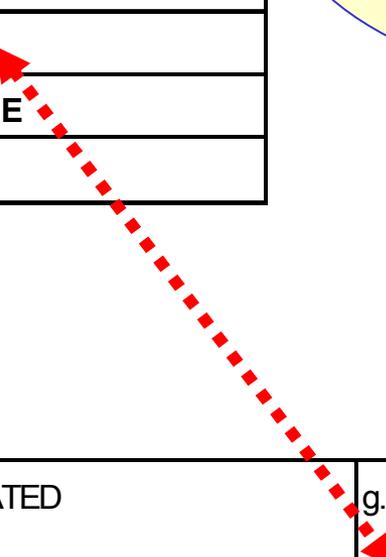
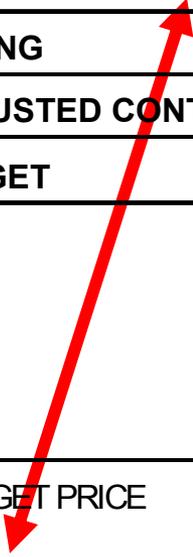
9. INITIAL CONTRACT PRICE	
a. TARGET	141,467
b. CEILING	163,000
10. ADJUSTED CONTRACT PRICE	
a. TARGET	141,467

**Why Differences?
CFSR Quarterly vs.
CPR Monthly
Timing of mods**

At Cost

CPR

e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING
141,467	141,467	163,000	163,000



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. (\$K) 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	47,365	34,955	51,171	0	51,171	0	0	0	51,171	0	51,171
1.2 Sys Engr / Pgm Mgt	3600F	4,868	3,592	5,259	0	5,259	0	0	0	5,259	0	5,259
1.3 Sys Data	3600F	318	235	344	0	344	0	0	0	344	0	344
1.4 Other	3600F	40,421	29,830	43,668	0	43,668	0	0	0	43,668	0	43,668
TOTAL		92,972	68,611	100,441	0	100,441	0	0	0	100,441	0	100,441

12. (\$K) CONTRACT WORK AUTHORIZED <i>(With Fee/Profit)</i> - ACTUAL OR PROJECTED											
	ACTUAL TO DATE	01-01-31	01-02-28	01-03-31	01-06-30	01-09-30	02-09-30	03-07-31			AT COMPLETION
a OPEN COMMITMENTS	2,712	3,900	3,872	3,682	3,517	3,402	1,101	0			0
b ACCRUED EXPENDITURES	64,899	64,710	64,838	64,539	64,314	97,039	127,634	141,467			141,467
c TOTAL <i>(12a + 12b)</i>	68,611	72,140	75,685	79,221	89,831	100,441	128,735	141,467			141,467
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	61,363	61,363	61,363	10,775	10,725	30,594	17,370			141,467
14. ESTIMATED TERMINATION COSTS	7,469	7,345	7,128	6,983	6,527	6,174	3,439	0			0

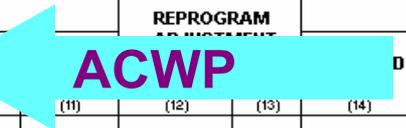
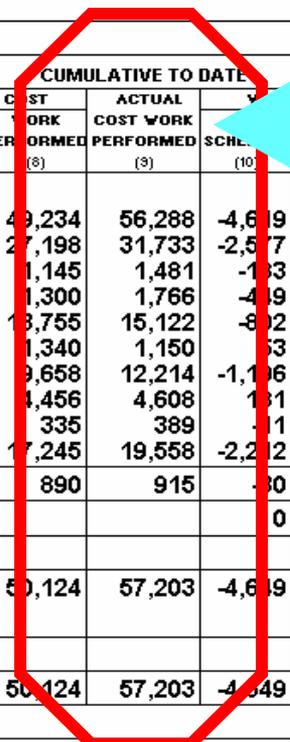
Expenditures

Billings



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) 00-11-01					
b. LOCATION (Address and ZIP Code) 14766 VENTURA BLVD. LOS ANGELES, CA 98706				b. NUMBER F-19628-99-C-0035				b. PHASE (None) X RDT&E PRODUCTION				b. TO (YYMMDD) 00-11-30					
c. TYPE CPAF				d. SHARE RATIO N/A													
5. CONTRACT DATA (\$K)																	
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 (\$K)								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) 00-12-22							
b. WORST CASE 132,500																	
c. MOST LIKELY 130,486		130,150		-336													
8. PERFORMANCE DATA (\$K)																	
WORK BREAK DOWN STRUCTURE				CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAM		AT COMPLETION			
ITEM (1)	BUDGETED COST WORK SCHEDULED (2)		ACTUAL COST WORK PERFORMED (4)		VARIANCE SCHEDULE COST (5) (6)		BUDGETED COST WORK SCHEDULED (7)		ACTUAL COST WORK PERFORMED (9)		VARIANCE SCHEDULE (10) (11)		ESTIMATED (14)		VARIANCE (16)		
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	128,386	-4,339
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	65,799	-2,650
1.1.1	Receiver Transmitter	3	120	115	125	-5	-10	1,328	1,145	1,481	-183	-336	0	0	8,596	8940	-344
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	32132	-936
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	55592	-1,619
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	130,486	-4,339
f. MANAGEMENT RESERVE													0	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																	
b. TOTAL CONTRACT VARIANCE																	



CFSR vs CPR

CFSR

At Price

12. CONTRACT WORK		
	ACTUAL TO DATE	01-01-31
a OPEN COMMITMENTS	3,712	3,946
b ACCRUED EXPENDITURES	64,899	68,202
c TOTAL (12a + 12b)	68,611	72,148
13. FORECAST OF BILLINGS TO THE GOVERNMENT	61,363	3,918
14. ESTIMATED TERMINATION COSTS	7,469	7,345

CPR

At Cost

		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 B	
e.	SUBTOTAL	57,203
	Measureme	
f.	MANAGEMENT RE	
g.	TOTAL	57,203

Why Differences?
Price vs. Cost
Timing lags



EAC

$$EAC = ACWP + \frac{BAC - BCWP}{\text{Performance Factor}}$$

OSD
BEST
CASE

OSD
WORST
CASE

Single Index

• CPI_{cum}

• CPI_{cur}

• $CPI_{3\text{ mth}}$

• $CPI_{6\text{ mth}}$

• SPI_{cum}

• SPI_{cur}

• Performance
Factor

Composite

• $(CPI_{cum} \cdot SPI_{cum})$

• $MICOM - (CPI_{6\text{mth}} \cdot SPI_{cum})$

Weighted

• $(.8 \cdot CPI_{cum}) + (.2 \cdot SPI_{cum})$

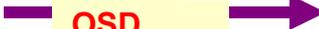
• $(.4 \cdot CPI_{factory}) + (.4 \cdot CPI_{test}) +$
 $(.2 \cdot CPI_{quality})$

DCMA
MOST
LIKELY
CASE

Is there sufficient Budget in the Program?

Program Manager's EAC Analysis

<u>PM's ESTIMATED COST:</u>		+	Fee 11,317		<u>PM's ESTIMATED PRICE:</u>	
CURRENT:	142,364				CURRENT:	153,681
BEST:	130,486				BEST:	141,803
WORST:	148,527				WORST:	159,844

<u>NEW ESTIMATED COST:</u>		+	Fee 11,317		<u>NEW ESTIMATED PRICE:</u>	
CPI _C :	\$149M		OSD BEST CASE		CPI _C :	\$160M
CPI*SPI:	\$162M		OSD WORST CASE		CPI*SPI:	\$174M



Is there sufficient budget in the Program?



R-3 (RDT&E Project Cost Analysis)

Exhibit R-3, Project Cost Analysis							(\$ in Millions)			Date: February 2001		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NAME AND NUMBER					
RDT&E Air Force (3600) / BA-5 EMD			0604999F				GENS P001					
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 % 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	MIPR	VARIOUS	8.870	5.299	Nov-00	0.443	Nov-01	0.178	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			14.574	9.749		1.356		0.520		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 Sup	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			75.327	55.117		36.745		16.535		0.000	183.723	
Remarks:												
R-1 Shopping List - Item 92							Exhibit R-3, Project Cost Analysis					
(Page 3 of 3)												

R-3 (RDT&E Project Cost Analysis)

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

Estimated Price:

CPI_C = \$160M

CPI*SPI = \$174M

Is there sufficient budget in the Program? NO!!



Summary

- **To build a defensible and credible program, the BFM must be able to integrate all aspects of business financial management**
- **This presentation focuses on how PPBS and Program Execution documents relate to each other.**

