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AN IBM COGNOS Performance blueprint Application brief A WEB-BASED PERFORMANCE MANAGEMENT Application





INTRODUCTION

The budgeting process used by the U.S. Department of Defense (DoD) is called Planning, Programming, Budgeting, and Execution (PPBE). For the PPBE process, the Secretary of Defense establishes policies, strategy, and prioritized goals for the Department, which is subsequently used to guide resource allocation decisions that balance the guidance with fiscal constraints.

The programming phase begins with the development of document called the Program Objective Memorandum (POM). When completed, the POM provides a fairly detailed and comprehensive description of the proposed programs, including a time-phased allocation of resources (forces, funding, and manpower) by program projected six years into the future.

Preparation of the POM is an inflexible, time-consuming, cumbersome process. Most defense agencies use spreadsheets as the primary means for planning, budgeting, and reporting.

The *IBM Cognos POM Performance Blueprint* will help DoD organizations improve management accountability, visibility, and control by establishing an environment that enables budget owners to:

- Analyze trends, history, and projections.
- Produce dynamic reports with hierarchical drilling capability from summary to detail and back.
- Create efficient and rapid changes across all levels.
- Provide a collaborative application with narrative ability.
- Plan for the entire year with ability to submit modification.



BLUEPRINT OBJECTIVES

The *IBM Cognos POM Performance Blueprint* has been designed for organizations to model and do scenario planning in support of specific mission objectives. For example, a planner could consider the total cost of deploying a fighting or support unit—including people, equipment, and infrastructure—and determine whether the unit is fully capable and the mission objective can be fully met within established mission guidelines.

The *POM Blueprint* has application beyond defense agencies. For analysis and goal-achievement as a budgeting driver, it could be extended to include civilian agencies (notably Department of Homeland Security) or any other civilian agencies using the PPBE process.

The business benefits for an organization using this Blueprint include:

- Improved budget accuracy.
- Better consistency through integrated planning.
- Increased accountability though high participation and visibility.
- Improved flexibility:
 - Driver variables can be easily changed.
 - "What-if" analysis modeling can be performed.
 - Scenario analyses can compare alternatives.
- Better agency cohesion in the budgeting process as a result of collaboration across a distributed environment.

This *POM Blueprint* application brief demonstrates a Web-based process for planning headcount and equipment requirements and expense using the IBM Cognos 8 Planning solution.

This IBM Cognos Performance *Blueprint* provides a full-circle performance management model that allows defense agencies to perform top-down and bottom-up planning, budgeting, and forecasting. The *Blueprint* ensures that budgets are in line with specific targets and encourages better analysis of the costs needed to achieve goals.

Additionally, the *Blueprint* supports an effective, intuitive, and integrated planning platform for any governmental branch and resolves the challenges of limited visibility into the process. The models and processes described in this document can be used by all government agencies involved in, but not limited to, the POM process. The model can be configured to support alternative goal requirements or to accommodate government planning in any country.

Key IBM Cognos 8 Planning Benefits

- Flexible model development to support a wide variety of planning models.
- Web- or Excel-based deployment of models for data collection and consolidation.
- Easy version control.
- Real-time workflow to enhance collaboration.
- Real-time consolidation.
- Real-time reporting.
- Real-time browser-based calculations to provide immediate results.
- Audit and user text annotations at cell, worksheet, and model levels to further improve collaboration.
- Drop-down validation lists to ensure data consistency.
- Scalable architecture with proven deployments to thousands of users.
- Linking functionality to provide divergent, yet interrelated components of planning environment.
- Off-line capabilities.
- Custom date capabilities with no limit on the time dimension, allowing planning by the week, season, period, quarter, or year.
- Unique multi-directional calculation engine that allows input across any dimension at the detail level or the total level.

OVERVIEW

The POM planning process is the primary template for a DoD agency budget. Forward- looking collaboration must occur so that expense planning is based on measurable goals. The *Blueprint* allows budget officers or analysts to deploy demand planning to the appropriate DoD level when determining anticipated needs for the coming years. The starting point for this *Blueprint* may be at the agency, branch, or department level.

The POM Blueprint consists of two major components-the POM Master Template and the Cost Models.

The POM Master Template is the primary means for input of POM data, either manually through planner input or automatically through the Cost Models.

The *Blueprint* is designed to allow planners to embed Cost Model estimations in the POM Master Template as an alternative to manual input. The *Blueprint* includes several models, although the full IBM Cognos 8 Planning suite allows development of multiple Cost Models based on individual agency requirements.

Below are descriptions of the POM Master Template, the Cost Models, and how they work together. A detailed description of a Cost Model is provided, demonstrating how the *Blueprint* can be used to analyze optimal throughput using a mixture of labor and equipment through different goal levels and scenarios. The example will focus on planning the optimum headcount and equipment mix to adequately meet defined volume or throughput goals. The user has the option of planning multiple goals for various scenarios.

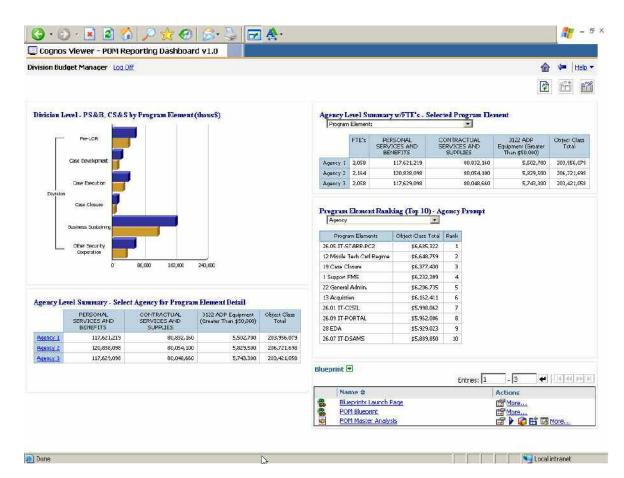
While this *Blueprint* contains input for five goals with three possible scenarios, it can be easily modified to accommodate individual agency or department requirements. The output will be a goal achievement level for each of these goal percentages and scenarios.

REPRESENTATIVE WORKFLOW

The following sections of this application brief describe the basic workflows in which the owner of a division budget might participate during the POM planning process.

After signing on to the Cognos Information Portal, the first screen displayed is a dashboard that provides significant information to the division budget manager.

- 1. The upper left shows a graphical representation of program element costs for the entire division.
- 2. To the right is a summary view of program elements for each Agency reporting to this Division.
- 3. The area at the bottom shows other key reports, including ranking by agency for each of the top ten program elements.



The following view shows specific program elements for all agencies reporting to this Division. The example shows object class costs (and FTEs) for a specific program element (32 IMET).

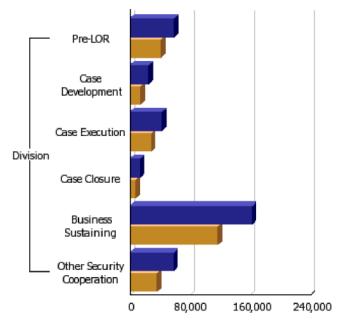
Agency 32 IME		Summary w/FTEs -	Selected Program Ele	ment	
	FTEs	PERSONAL SERVICES AND BENEFITS	CONTRACTUAL SERVICES AND SUPPLIES	3122 ADP Equipment (Greater Than \$50,000)	Object Class Total
Agency 1	75	3,500,219	383,160	0	3,883,379
Agency 2	97	4,887,800	2,109,100	157,900	7,154,800
Agency 3	5	1,165,600	2,065,300	140,600	3,371,500

The next report is a monthly flash which gives the user a prompt option to select a specific agency. It displays the data with a ranking of the highest YTD costs for various Program elements.

-		
Program Elements	Object Class Total	Rank
22 General Admin.	\$2,445,088	1
1 Support FMS	\$2,433,469	2
26.08 IT-CEMIS	\$2,426,431	3
26.05 IT-STARR-PC2	\$2,420,266	4
26.09 IT-PORTAL	\$2,387,590	5
7 International Agreements	\$2,310,666	6
13 Acquistion	\$2,200,222	7
12 Missile Tech Cntl Regime	\$2,151,940	8
19 Case Closure	\$2,146,785	9
32 IMET	\$2,117,733	10

Program Element Ranking (Top 10) - Agency Prompt

The report below shows a bar chart of Labor and Contractual budgets.



Division Level - PS&B, CS&S by Program Element (thous\$)

By clicking on the link to the Cognos Contributor application at the top right of the portal, the division manager can continue the review process.

Blueprint 🖻	Entries: 1 - 3 🕶 🛛 🖊
Name 😫	Actions
Blueprints Launch Page POMBlueprint POM Daster Analysis	More
Bueprint POMBlueprint	😭 <u>More</u>
PON Jaster Analysis	😭 🕨 🧔 🎛 More

REAL-TIME WORKFLOW VISIBILITY

As planners must respond to increased security needs, so must the planning process accomodate rapidly changing requirements.

In this example, the division manager, also known as the "reviewer," can see the workflow status for each agency. All workflow status changes, data consolidations, and aggregations occur in real-time—without a batch process. This drives down the time needed to perform the planning iteration.

Before data is entered, state of the plan is "Not started" O. Once a plan is saved, the state becomes "Work in Progress" O and remains accessible for further editing. When an item is submitted, the plan is "Locked" and and no more changes can be made. The Locked state indicates that the plan is ready for review. A reviewer can review the plan in any state, but can only reject a Locked plan item. When a Locked plan is rejected, it returns to a state of Work in Progress, making it editable once again for the agency, branch or department.



POM MASTER COMPONENT

POM Master

If used as a stand-alone component, the POM Master can accommodate automated linking of data from an external *Cost Model*, or manual input of POM data where cost models are not being used. It represents the summary expense for the POM budgeting process. It includes the relevant *Object Classes* and *Program Elements*.

1.0 k		_	Employees	Equipment	1 Charles	R.	I III - A	100100000		L RADIO	101000	Contraction (POM Master		
Scenario 1	*	3,	PDM		*		Agency 1		•		_		<u>•</u>		
	0			Program Ele			Pre-LOR		apport FMS	3 Tradeshow		4 Respo	nding to RFPs	6 SAO/Combalant Cinds.	national Agree
FTE's	13					862	34		93		23		44	43	85
Perzonal Services Cost p						059	50,37		46,791	65,0			52,870	51,535	
Personal Services Benefi	the second second second					612	5.36		4.55%	12.9			5.89%	7.69%	
Personal Services Retire	nent %					78%	5.27		2.52%	9.4			5.23%	7.69%	
Travel Costs per FTE						912	2,80		1,389	8,3			3,475	4,537	
Average W/Y Cost						782	39,73		38,741	57,4			42,589	38,824	
1111 Full-Time Permanent Emp					23,365,		4,439,49		1,188,491	414,			506,914	480,282	
1131 Oth Than FT Permanent	Employee B.	asic i	Salaries		23,748,	451	4,020,39	0	879,828	411,2			647.404	480,729	
1157 Premium Pay					23,490,		4,244,03		1,336,622	301.8			582,499	537,916	
1181 Reinbursable-Employees	of Other Ag	encie	55		24.466.	995	4,574,18	3	946.659	368,0	000		589.483	717.073	
PERSONAL SERVICES					95,070.	969	17,278,10	0	4,351,600	1,496,5	00		2,326,300	2,216,000	
1211 Civil Service Retirement	Fund Contrib	ution	¢.:		5,331,	400	926,30	0	198,000	193,1	100		137,100	170,500	
BENEFITS					5,331,	400	926,30	0	198,000	193,1	00		137,100	170,500	
1302 Retirement Benefits					5,495,	800	910,40	0	109,600	141,5	900		121,700	170,300	
PERSONAL SERVICES A	ND BENEF	ITS		1	105,898,	169	19,114,80	0	4,659,200	1,831,5	00		2,585,100	2,556,800	
2321 Rental Of Space					5,291.	300	969,60	0	182,700	118,1	001		188,600	153,200	
2236 PCS - Housing Goods					5.195.	600	822,20	0	195,900	115,	100		154,500	105,400	
2335 Communications Network	¢				5,240,	000	884,70	0	145,700	133.	000		141,500	147,100	
2455 Printing & Reproduction -	GPO				5,362,	800	943,20	0	189,500	122.0	800		174,100	106,700	
2561 Physical Examinations					5,403.	800	829,10	0	160,200	120.0	000		117,200	158,500	
2611 ADP Supplies					4,906,	000	843,70	0	198,900	113.	200		130.000	134,500	
2101 Travel & Transportation of	Persons				5,421,	300	962,00	0	129,200	192.7	700		152,900	195,100	
2311 Bental Payments To GS/	and the second second				5,272	600	824,70	0	169,600	131.	300		143,600	161,700	
2511 Advisory and Assistance	Services				5,412.	200	1,037,40	0	195,800	198.	500		161,300	167,300	
2521 Other Services					5,183.	400	805,90	0	111,400	170.	300		110,600	149,700	
2531 Oth Purch of Goods & Se	ervices Ir Gov	A.A.	cte		5,411,	200	923,70	0	121,200	157	\$00		168,700	187,700	
2541 Operation and Maintenar	ice of Faciliti	-			5,231	300	808,90	0	114,100	123.0	000		117,300	125,500	
2571 Operation and Maintenar					5,296	800	845,30	0	127,800	124.	500		103,100	178.000	
2581 Subsistence and Suppor					5,324.	400	869,20	0	103,100	155.	700		179,500	198,100	
CONTRACTUAL SERVICE		IPPI	LIES		73,952		12,369,68		2,145,100	1,977.0			2,840,900	2,158,500	
3122 ADP Equipment (Greater					5.035		935,60		183,600	190.6			120,800	107.500	
Required Adjustment		and a				0		0	0		0		0	0	
Object Class Total					84,885		32,420,00		6,987,900	3,999,1	00		4,746,800	4,822,880	

Current owner: Administrator

COST MODEL COMPONENT

Inflation Assumption

This tab provides government assumptions for inflation over the next four years. These assumptions will be used to inflate base expense amounts for the respective forecast years.

🗿 POM B	Blueprint Contr	ributions Agency	1 - Cognos Planning - (Contributor		
<u>Eile E</u>	dit ⊻iew <u>I</u>	ools <u>A</u> ctions <u>H</u>	elp			
ê 🖬	8 % 4	🖀 x 🖗 🗇 🗇	1)- 🖢 11- O 🗈	1 ?		
Inflatio	on Assumption G	S Salary Table Goals	Employee Assumptions	Employee Monthly Productivity	Recruitment and Promotion	
<u>, </u>	<u></u>		Tert.	in il		
	Inflation Factor					
CurrYr+1	3.00%					
CurrYr+2	3.00%					
Curr Yr+3	2.50%					
CurrYr+4	2.00%					
Count 124	2.00%					

Goals

This tab is used to input the goals and thresholds desired for each scenario. It will be used to measure goal results in a later tab.

In this example, we have set *Goal 1* at 20 percent. We also have input a tolerance threshold of 10 percent. Therefore, attainment between the goal of 20 percent and the goal, less the tolerance of 10 percent (18 percent in this example), is within an acceptable level of tolerance. Anything below the threshold will result in an unacceptable level of tolerance.

Ele	<u>E</u> dit <u>V</u> i	ew <u>I</u> ools	Actions	Help				
ê I		አ 🖻 🛍	× 🖻	🖪 🕑 👌	10 Jid-	0 0 ?		
Infl	ation Assump	tion Goals	Employee	Assumptions	Employ	ee Monthly Productivity	Recruitment and Promotion	
*11	Agency 1		•				W	
	Sce	enario 1	Sci	enario 2	Sce	anario 3		
	Goal ス	Threshold 2	Goal %	Threshold 2	Goal %	Threshold %		
Goal 1	20.00%	10.00%	15.00%	10.00%	23.00%	10.00%		
Goal 2	22.00%	10.00%	18.00%	10.00%	25.00%	10.00%		
Goal 3	25.00%	10.00%	20.00%	10.00%	27.00%	10.00%		
2 1.77	27.00%	10.00%	22.00%	10.00%	30.00%	10.00%		
Goal 4	67.00/a	10.00/0						

Employee Assumptions

This tab contains predetermined assumptions for average recruitment, promotion ramp-up times, and annual COLA increases by grades. The ramp-up time shows the months of training required to effectively perform the job at each grade level.

Infl	ation Assumption GS Salary	Table Goals Employee	Assumptions	Employee Monthly Productivity	Recruitment and Promotion	Equipment Assumptions
	er Yr+1.	Employee Assumptio	ns 💌	120		
42	Recruitment Ramp-up Time	Promotion Ramp-up Time	COLA Dilferential			
GS 05	200	2.00	0.260	2		
GS06	2.00	2.00	0.260	z		
GS07	2.00	2.00	0.260	*		
GS 08	2.00	2.00	0.260	z		
GS09	3.00	2.00	0.260	2		
GS10	3.00	2.00	0.260	8		

Employee Monthly Productivity

This tab shows average productivity for the prior year and expected productivity for current and future years by grade level. It should be viewed as an activity level, such as number of containers screened per month. The higher the grade level, the more productive the individual is. The model helps balance people costs and productivity against the accomplishment of the goals.

Inß	ation Assump	otion G	iS Salary Tab	le Goals	Employee A	ssumptions	Employee Monthly Productivity	Recruitment and Promotion	Equipment Assumptions	
*	Aphility 1		<u> </u>	Monthly P	Productivity	•		-	N: <u>Ny</u> e,	
	Prior Yr	Curr Yr	Curr Yr+1	CurrYr+2	Curr Yr+3	Curr Yr+4				
6505	240	240	240	240	240	240				
6506	250	250	250	250	250	250				
6507	260	260	260	260	260	260				
GS08	270	270	270	270	270					
G\$09	280	280	230	280	280	280				
G\$10	300	300	300	300	300	300				
Total	1,600	1,600	1,600	1,600	1,600	1,600				

Recruitment and Promotion

This tab is used to plan headcount requirements by grade level. The user inputs planned *Recruitment* and any expected grade level *Promotion Out*, which is input as a negative number and will be linked to *Promotion In* for the next grade level. In this example, we show a *Promotion Out* for a GS06 in February. This will result in a *Promotion In* for GS07 grade. The net effect of headcount increases and decreases are shown in the Total line. *Effective Headcount* shows the month in which the employee is effectively performing at the new level.

Information on average salaries is linked from a hidden table: *GS Salary table*. (Note: This model uses civilian pay, but could easily be modified to use military pay scales or a combination of both). This hidden table is populated with current Grade/Step level salaries.

Inflation Assumption Goals	Employee Assu		t Data] Employee	Monthly Pro	ductivity	Recruitm	ent and Pr	omotion	Equipment	Assumptions	1			
Sel Sagency 1	🖌 🏷 🛛 Scena	nio 1		· *	GS06	÷	•	Soal	1			Curr Yr		•
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Full Year	
Current Positions	15	15	15	15	17	16	16	16	16	16	16	16	15	
Recruitment														
Piomotion In				2									2	
(Promotion Out)					(1)								(1)	
Total	15	15	15	17	16	16	16	16	16	16	16	16	16	
No Required to Meet Goal	17	17	17	17	17	17	17	17	17	17	17	17	17	
Effective Headcount	15	15	15	15	14	16	16	16	16	16	16	16	16	
Average Monthly Salary + COLA	39,641	39,641	39,641	44,926	42,283	42,283	42,283	42,283	42,283	42,283	42,283	42,283	502,116	
Average Annual Salary + COLA	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	31,713	

Equipment Assumptions

This tab is used to input the current and expected equipment purchases and productivity levels. In our example, *Agency 1* has three types of equipment with varying levels of productivity. *Equipment Class 1*, for example has a productivity factor of two, which implies that employees working with this equipment will be twice as productive. An *Equipment Class 2* device will result in an even larger increase, and so on.

Inflation Assumption Go	als Entrioyee Assum	ptions Employee	Monthly Productivity	Recrui	Iment and Promotion	Equipment Assumptions									
SAgency 1															
	Machine 1	Machine 2	Machine 3	Machine 4	Machine 5										
Equipment Description	Equipment Class 1	Equipment Class 2	Equipment Class 3	- 100.00	When the second second										
Equipment Productivity Factor	2.00	3.50	5.00	0.00	0.00										
Monthly Maintenance	\$1.000	\$2,000	\$3,000	\$0	\$0										
Annual Maintenance	\$12,000	\$24,000	\$36,000	\$0	\$0										
New Equipment Cost	\$1.000.000	\$2,000,000	\$2,500,000	\$0	\$0										

Equipment Employee Requirements

This tab is used to input the employee equipment requirements by grade level. In the example, it is assumed that higher grade levels are required to operate the more technologically advanced equipment.

Agency 1		*			\$C		a) e	80	
	I	Machine 1	Machine 2	Machine 3	Machine 4	Machina 5			
Equipment Description	Grade	Equipment Class 1	Equipment Class 2	Equipment Class 3					
	GS05	3	R.						
	GS06		2						
	GS07								
Employees rad per unit	GS08								
	GS09								
	GS10			1					
	Total	3	2	1					

Employees

This tab shows the output of planned headcount changes. It also shows the agency's total monthly productivity and annual salaries.

$\underline{File} \underline{E}dit \underline{\forall}iew \underline{I}ools$	Actions	Help							
1 🛛 🖨 🕹 🛱	X D. (3 👁 👌	10 Yd- 6		2 🕞				
Recruitment and Promotion	Equipment A	ssumptions	Equipme	ent Employee I	Requirements	Employ	es Equipment	Equipment Productivity	
transferrence 1	- 🎲 Cur	ı Yı		* *	Agency 1		-		
	GS05	GS06	GS07	6S08	6509	GS10	Total		
Current Positions	15	16	11	6	4	5	57		
Effective Headcount	14	16	11	6	4	5	56		
Current Monthly Productivity	3,360	4,000	2,860	1,620	1,120	1,500	14,460		
Total Annual Salaries	426,772	507,401	387.644	234,152	172,418	237,359	387,113		

Equipment

This tab represents the summary output of the *Equipment Employee Requirements* and *Equipment Assumptions* tabs. Based on the equipment plan, the total number of employees required is output.

Employee Monthly Productiv		9907/0000287507 L 75	quipment Assumptions		nent Employee	moquioneric	Employees	Equipment	
St Agency 1	💌 🐦 Scenario	1	💌 🚏 Curi Yr		Sec.				
1	Machine T	Machine 2	Machine 3	Machine 4	Machine 5				
Equipment Description	Equipment Class 1	Equipment Case 2	Equipment Class 3						
Current Equipment	1	0	0	0	0				
New/(Obsolete) Ecpmt	2	1	1	0	0				
Planned Equipment	3	1	1	0	0				
Equipment Productivity Factor	2.00	3.50	5.00	0.00	0.00				
Total Employees Required	9	2	1	0	0				

Equipment Productivity

This tab shows the change in productivity resulting from planned equipment changes. In this example, there is an increase in productivity. A message will appear if additional headcount is required to operate the equipment.

Recruitment and Promotion	Equipment Assumption	ans c quipment c	mployee Requiremen	ts Employ	ee: Equipment	Equipment Productivity Base Cost	
\$ GS05	💌 🦻 🐌 Agency 1		Scenario 1	64	💌 🎾 Cu	ш <u>Лі</u>	
14	Machine 1	Machine 2	Machine 3	Machine 4	Machine 5		
Equipment Description	Equipment Class 1	Equipment Class 2	Equipment Class 3		U		
Planned Equipment	3	1	E	0	0		
Headcount shortage (Y/N)?							
Total Employees Required	9	8	0	0	0		
Grade Level Headcount	15	0	0	0	0		
Current Monthly Productivity	3.600	0	0	0	0		
Monthly Productivity Uplift	4,320	0	0	0	0		
Current Annual Productivity	43,200	0	0	0	0		
Annual Productivity Uplift	69,120	0	0	0	0		

Base Cost

This tab is used to input the current year *Base Cost* for each object class and to select the appropriate *Program Element* from the drop-down. Future-year expenses are calculated using *Inflation Assumptions*. The data here will link to the POM Master.

🐨 🛛 Scenario 1 🛛 💌 🕏 🔂 Ageni	cy 1	*					
	Cur Yr	Select Program Element	Cur Yr+1	Curr Yr+2	Curr Yz+3	Curr Yr+4	
FTE's	56		56	56	56	56	
Personal Services Cost per FTE	34,532		44,896	58,376	72,977	87,581	
Personal Services Benefits 2	6.46%		5.12%	4.06%	3.34%	2.87%	
Personal Services Retirement 2	7.76%		6.15%	4.87%	4.01%	3.442	
Travel Costs per FTE	5,357		5,518	5,683	5,854	6,030	
1111 Full-Time Permanent Employees Basic Salaries	1.933.767	32 IMET	2514.148	3.269.045	4.086,714	4.904.545	
131 Oth Than FT Permanent Employee Basic Salaries		K0 and Other Funded In N	0	0	0	0	
1157 Premium Pay		26.05 IT-STARR-PC2		20	0	0	
181 Reinbursable Employees of Other Agencies		26.06 IT-STARS		0	0	0	
PERSONAL SERVICES		26 07 IT-DSAMS		5	4,086,714	4,904,545	
1211 Civil Service Retirement Fund Contributions	125,000	26.08 IT-CEMIS 26.09 IT-PORTAL		3	136,591	140,689	
BENEFITS		26 10 IT-LAN/PC		3	136,591	140,689	
1302 Retirement Benefits	150,000	26.11 IT-General		15	163,909	168,826	
PERSONAL SERVICES AND BENEFITS	2,208,767	Other Security Cooperation		12	4,387,213	5,214,060	
2321 Rental Of Space	0	27 EUM		0	0	0	
2236 PCS - Housing Goods	0	28 EDA 30 Drawdowns		0	0	0	
2335 Communications Network	0	31 FMF Admin.		0	0	0	
2455 Printing & Reproduction - GPD	0	32 IMET		0	0	0	
2561 Physical Examinations	0	33 HA/MA, EIPC, Warsaw, Pr	4.0 and Other Fe	inded in 🞽 👔	0	0	
2611 ADP Supplies	0	32 IMET	0	0	0	0	
2101 Travel & Transportation of Persons	380,000	32 IMET	309,000	318,270	327,818	337,653	
2311 Rental Payments To GSA	0	32 IMET	0	0	0	0	
2511 Advisory and Assistance Services	0	32 IMET	0	8	0	0	
2521 Other Services	0	32 IMET	0	0	0	0	
2531 Oth Purch of Goods & Services & Govt. Accts	0	32 IMET	0	0	0	0	
2541 Operation and Maintenance of Facilities	0	32 IMET	0	0	0	0	
2571 Operation and Maintenance of Equipment	72,000	32 IMET	74,160	76,385	78,575	81,037	
2581 Subsistence and Support of Persons	0	32 IMET	0	0	0	0	
CONTRACTUAL SERVICES AND SUPPLIES	372,000		383,160	394,655	406,494	418,689	
1122 ADP Equipment (Greater Than \$50,000)	0	32 IMET	0	0	0	0	
Fotal Budget Authority	2,580,767		3,180,558	3,955,447	4,793,708	5,632,749	
Custerit Positions	56	32 IMET	56	56	56	56	
No employees required	9		0	0	0	0	

Throughput Input

This tab is used to input the anticipated annual throughput. In the example, it represents the total number of items being processed per year.

🗿 POM Blu	eprint Co	ntributions	Agency	1 - Cognos	Planning - (ontributor				
<u>File E</u> dit	⊻iew	Iools A	yctions <u>H</u>	elp						
	9 X Q	a 🛍 X	D- 🖸 (Q- 🏂 j	1- O D	^{NS} ?				
Equipme	ent Employee F	lequirements	Employee	s Equipmen	nt Equipme	nt Productivity	Base Cost	Throughput Inpu	it Goal Result	
" Agen	cy 1	•	*[Through	put Per Year				-	77	117 WE 177 WE
	Dun Yr	Curr Yr+1	Curr Yr+2	Curr Yr+3	CurrYr+4					
Scenario 1	750,000	750,000	750,000	750,000	750,000					
Scenario 2	3,250,000	3,250,000	3,250,000	3,250,000	3,250,000					
Scenario 3	3,500,000	3,500,000	3,500,000	3.500.000	3,500,000					

Goal Result

This tab represents the summarized output for the various goals and scenarios. The information here indicates whether those goals can be achieved with the current headcount/equipment assumptions. It also shows the resulting productivity uplift. *Goal % Achieved* shows the percent of items that can processed for a given equipment/ employee combination. The *Goal w/in Threshold* field is intended for use in reporting as a "heat map" indicator, and can be hidden.

Equipment Assumptions	Equipme	nt Employee	Requirements	Employ	uees Equip	nt Equipment Productivity	Base Cost	Throughput Input	Goal Result	
"∰[]Scenario 1	- 3	Agenr	ay 1		Cur)		3.6		-	
	Goalt	Goal 2	Goal 3	Goal 4	Goal 5					
Goal %	20.00%	22.00%	25.00%	27.00%	30.00%					
Threshold %	10.00%	10.00%	10.00%	10.00%	10.00%					
Current Monthly Productivity	8,870	9,970	8,970	8,970	8,870					
Monthly Productivity Uplift	6,130	6,130	6,130	6,130	6,130					
Annual Productivity Uplift	153,120	153,120	153,120	153,120	153,120					
Throughout Per Year	750,000	750,000	750,000	750,000	750,000					
Goal % Achieved	20.42%	20.42%	20.42%	20.42%	20.42%					
Goal w/in Threshold	Green	Yellow	Red	Red	Red					
Variance Goal %	0.42%	(1.58%)	(4.58%)	(6.58%)	(9.58%)					
Grade Headcount	56	56	56	56	56					
No Required to Meet Goal	54	59	67	72	80					
Variance Headcount	2	(3)	(11)	(15)	(24)					
Current No. of GS5	14	14	14	14	14					
Current No. of 656	17	17	12	17	17					
Current No. of GS7	10	10	10	10	10					
Current No. of GSB	6	6	5	10 6	6					
Current No. of GS9	4	4	4	4	4					
Current No. of GS10	5	5	5	5	5					
Current Headcount	56	56	56	56	56					

POM MASTER COMPONENT

The second component of this model, the POM Master, can accommodate automated linking of data from the first component, the Cost Model, or manual input of POM data where Cost Models are not being used. It represents the summary expense for the POM budgeting process. It includes the relevant *Object Class* and *Program Element* expenses, as well as metrics related to headcount.

🐦 Scenario 1 💌 🐦 PDM	* *	Agency 1		Prior Yr	*		
	Program Element Total	Pre-LOR	1 Support FMS	3 Tradeshows	4 Responding to RFPs	6 SAO/Combatant Cinds.	national Agree
FTE's	1,862	343	93	23	44	43	8
Personal Services Cost per FTE	51,059	50,373	46,791	65,065	52,870	51,535	
Personal Services Benefits %	5.612	5.36%	4.55%	12.90%	5.89%	7.69%	
Personal Services Retirement 2	5.78%	5.27%	2.52%	9.48%	5.23%	7.69%	
Travel Costs per FTE	2,912	2,805	1,389	8,378	3,475	4,537	
Average W/Y Cost	40,782	39,738	38,741	57,457	42,589	38,824	
1111 Full-Time Permanent Employees Basic Salaries	23,365,126	4,439,496	1,188,491	414,815	506,914	480,282	
1131 Oth Than FT Permanent Employee Basic Salaries	23,748,451	4,020,390	879,828	411,700	647.404	480,729	
1157 Prenium Pay	23,490,398	4,244,031	1,336,622	301,896	582,499	537,916	
1181 Reimbursable Employees of Other Agencies	24,466,995	4,574,183	946,659	368,090	589,483	717,073	
PERSONAL SERVICES	95,070,969	17,278,100	4,351,600	1,496,500	2,326,300	2,216,000	
1211 Civil Service Retirement Fund Contributions	5,331,400	926,300	198,000	193,100	137,100	170,500	
BENEFITS	5,331,400	926,300	198,000	193,100	137,100	170,500	
1302 Retirement Benefits	5,495,800	910,400	109,600	141,900	121,700	170,300	
PERSONAL SERVICES AND BENEFITS	105,898,169	19,114,800	4,659,200	1,831,500	2,585,100	2,556,800	
2321 Rental Of Space	5,291,300	969,600	182,700	118,100	188,600	153,200	
2236 PC5 - Housing Goods	5,195,600	822,200	195,900	115,400	154,500	105,400	
2335 Communications Network	5,240,000	884,700	145,700	133,600	141,500	147,100	
2455 Printing & Reproduction - GPD	5,362,800	943,200	189,500	122,800	174,100	106,700	
2561 Physical Examinations	5,403,800	829,100	160,200	120,000	117,200	158,500	
2611 ADP Supplies	4,906,000	843,700	198,900	113,200	130,000	134,500	
2101 Travel & Transportation of Persons	5,421,300	962,000	129,200	192,700	152,900	195,100	
2311 Rental Payments To GSA	5,272,600	824,700	169,600	131,300	143,600	161,700	
2511 Advisory and Assistance Services	5,412,200	1,037,400	195,800	198,500	161,300	167,300	
2521 Other Services	5,183,400	805,900	111,400	170,800	110,600	149,700	
2531 Oth Purch of Goods & Services & Govt. Accts	5,411,200	923,700	121,200	157,400	168,700	187,790	
2541 Operation and Maintenance of Facilities	5,231,300	808,900	114,100	123,000	117,300	125,500	
2571 Operation and Maintenance of Equipment	5,296,800	845,300	127,800	124,500	103,100	178,000	
2581 Subsistence and Support of Persons	5,324,400	869,200	103,100	155,700	179,500	188,100	
CONTRACTUAL SERVICES AND SUPPLIES	73,952,700	12,369,600	2,145,100	1,977,000	2,040,900	2,158,500	
3122 ADP Equipment (Greater Than \$50,000)	5,035,100	935,600	183,600	190,600	120,800	107,500	
Required Adjustment	0	0	0	0	0	0	
Object Class Total	184,885,969	32,420,000	6,987,900	3,999,100	4,746,800	4,822,800	

Current owner: Administrator

Execution Report

This tab shows a monthly representation of budget execution data. It includes Variance from Prior to Current Year.

Equipment Employee Requirements Employee:	Equipment	Equipment Prod	2000 CONT 1010 2010 100	11. (11.000.000 and 0.000.000 and 0.000.000.000.000.000.000.000.000.000.	Goal Result	Contraction of the second	Execution Report	
😵 🛛 🖸 Curr Yr 💽 😴 🕅 Oct			Agency 1	Tro	gram Element T	otal 💆	1	
	Actual	Budget	Variance					
FTE's	180	180	0					
Personal Services Cost per FTE	47,216	47,160	56					
Personal Service Benefits %	5.46%	5.47%	[0.012]					
Personal Services Retirement %	5.63%	5.63%						
Travel Costs per FTE	2,621	2,622	(1)					
Average W/Y Cost	37,655	37,502	0					
1111 Full-Time Permanent Employees Basic Salaries	2.035.714	2.031.897	3.817					
1131 Oth Than FT Permanent Employee Basic Salaries	2,139,907	2,135,744	4,163					
1157 Premium Pay	2,137,929	2,132,596	5,333					
1181 Reinbursable-Employees of Other Agencies	2,185,299	2,188,484	(3,185)					
PERSONAL SERVICES	8,498,849	8,488,721	10,128					
1211 Civil Service Retirement Fund Contributions	464,318	464,522	(204)					
BENEFITS	464,318	464,522	(204)					
1302 Retrement Benefits	478,639	478,211	428					
PERSONAL SERVICES AND BENEFITS	9,441,806	9,431,454	10,352					
2321 Rental Of Space	478,399	478,221	178					
2236 PCS - Housing Goods	466,634	469,235	[2,601]					
2335 Communications Network	470,003	469,330	673					
2455 Printing & Reproduction - GPO	478,132	476,155	1,977					
2561 Physical Examinations	486,462	484,623	1,839					
2611 ADP Supplies	441,508	441,814	(306)					
2101 Travel & Transportation of Persons	471,724	471,960	[236]					
2311 Rental Payments To GSA	472,600	472,779	[179]					
2511 Advisory and Assistance Services	483,415	484,495	(1.080)					
2521 Other Services	463,678	462,169	1,509					
2531 Dth Purch of Goods & Services Ir Govt. Acots	484,030	484,162	[132]					
2541 Operation and Maintenance of Facilities	472,298	470,346	1,952					
2571 Operation and Maintenance of Equipment	461,100	460,779	321					
2581 Subsistence and Support of Persons	478,607	476,719	1,888					
CONTRACTUAL SERVICES AND SUPPLIES	6,608,590	6,602,787	5,803					
31 22 AD F Equipment (Greater Than \$50,000)	451,264	449,551	1,713					
Regured Adjustment	0	0	0					
Object Class Total	16,501,660	16,483,792	17,868					

Current owner: Administrator

ABOUT COGNOS, AN IBM COMPANY

Cognos, an IBM company, is the world leader in business intelligence and performance management solutions. It provides world-class enterprise planning and BI software and services to help companies plan, understand and manage financial and operational performance. Cognos was acquired by IBM in February 2008. For more information, visit http://www.cognos.com.

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