



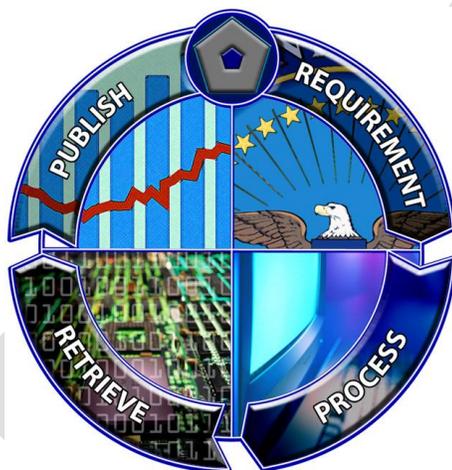
Department of Defense

**Office of the Under Secretary of Defense for Acquisition,
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SAR COST VARIANCE INSTRUCTIONS

Defense Acquisition Management Information Retrieval (DAMIR)



DAMIR

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DRAFT

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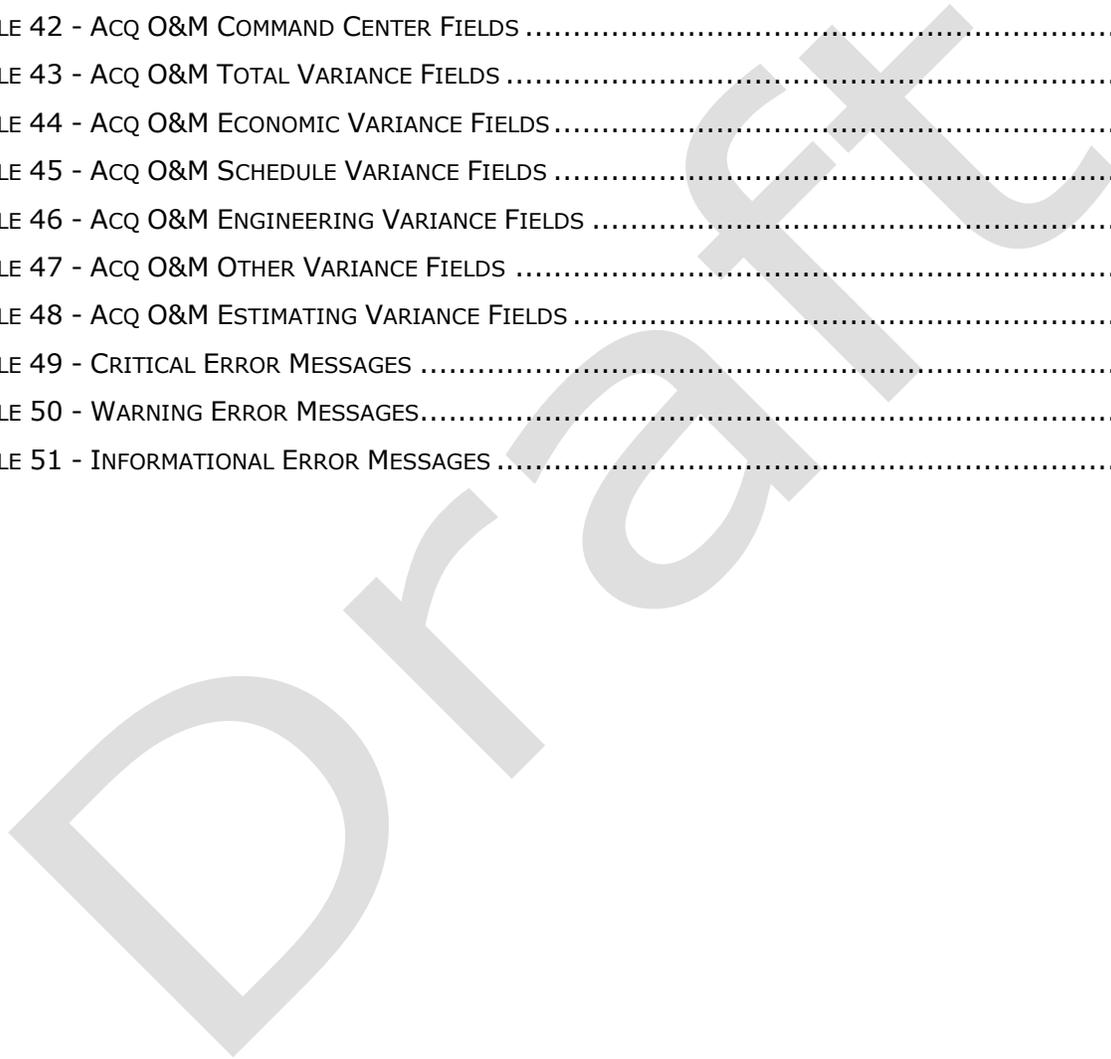
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1. INTRODUCTION TO COST VARIANCE

This document provides instructions about the Cost Variance section of a SAR. It complements the document titled "SAR Data Entry Instructions", which describes how to enter and modify data for a SAR (Selected Acquisition Report). The SAR provides key cost, schedule, and performance information on Major Defense Acquisition Programs (MDAPs).

1.1 PURPOSE OF COST VARIANCE DOCUMENT

This document will provide DAMIR users with the instructions about how to utilize the Cost Variance section of a SAR.

1.2 SECURITY

Access to the Cost Variance section of a SAR requires the use of:

- A CAC (issuance of the Common Access Card is controlled by DoD) or ECA (External Certificate Authority) and
- A valid Personal Identification Number (PIN).

1.3 ACRONYMS AND ABBREVIATIONS

Table 1 - Acronyms and Abbreviations

Acronym	Meaning
ACAT	Acquisition Category
Acq O&M	Acquisition Operations & Maintenance
ADM	Acquisition Decision Memorandum
APB	Acquisition Program Baseline
APUC	Average Procurement Unit Cost
ARA	Acquisition Resource Analysis
ARA/AM	Acquisition Resource Analysis/Acquisition Management
AT&L	Acquisition, Technology and Logistics
BY	Baseline-Year
BY\$	Baseline-Year dollars
CAC	Common Access Card
DAMIR	Defense Acquisition Management Information Retrieval
DoD	Department of Defense
ECA	External Certificate Authority
ECPs	Engineering Change Proposals
Flyaway Costs	An Air Force term for costs related to the production of usable end item military hardware. Equates to Rollaway & Sailaway
FYDP	Future Years Defense Program

Acronym	Meaning
NSNQ	New Schedule New Quantity
NSOQ	New Schedule Old Quantity
OSD	Office of Secretary of Defense
OSNQ	Old Schedule New Quantity
OSOQ	Old Schedule Old Quantity
OUSD	Office of the Under Secretary of Defense
PAUC	Program Acquisition Unit Cost
PB	President's Budget
PCE	Previous Current Estimate
PdE	Production Estimate
PE	Planning Estimate
PIN	Personal Identification Number
RDT&E	Research, Development, Testing, & Evaluation
Rollaway Costs	An Army term for costs related to the production of usable end item military hardware. Equates to Flyaway & Sailaway
Sailaway Costs	A Navy term for costs related to the production of usable end item military hardware. Equates to Flyaway & Rollaway
SAR	Selected Acquisition Report
SAR BL	SAR Baseline
TY	Then-Year
TY\$	Then-Year dollars
UCR	Unit Cost Reporting
WBS	Work Breakdown Structure

2. GENERAL GUIDANCE FOR COST VARIANCE

This section provides an overview of the SAR Cost Variance section.

2.1 OVERVIEW OF COST VARIANCE

The Secretary of Defense is required to submit to Congress a SAR on each Major Defense Acquisition Program (MDAP) (ACAT I program) as defined in 10 USC 2432 and as included on the USD (AT&L) MDAP list. A "program" is defined as one that has an approved program initiation (Milestone B for all but some ship programs) that meets the MDAP cost or schedule criteria specified in 10 USC 2430.

The Cost and Variance section provides vital information to support this process.

2.2 ANNUAL AND QUARTERLY SARs

A SAR is required to be updated and submitted quarterly and annually by statute and/or OSD regulation as indicated below.

These are required in accordance with:

- Statute:
 - To report a Nunn-McCurdy unit cost breach (15% or more increase in Program Acquisition Unit Cost (PAUC) or Average Procurement Unit Cost (APUC)),
 - And when there has been a schedule delay of 6 months or more in the Current Estimate (CE) since the last SAR.
- OSD Regulation
 - For an initial SAR or a SAR reporting for the last time,
 - And for a SAR rebaselining after a major milestone decision.

Note that the first two conditions are statutory and the second two are regulatory.

All submissions have the same content except for the Nunn-McCurdy submission, which includes additional unit cost breach information.

Note that the existence of a breach to the APB is not one of the conditions for the submission of a SAR.

2.2.1 Annual SARs

The annual SAR, prepared for the period starting January 1 and ending December 31, is mandatory for all reporting programs in accordance with 10 USC 2432. The "as of" date of December 31 is a nominal date for cost, schedule, and performance data. The annual SAR reflects the President's Budget (PB) and supporting documentation—and the remainder of the program budget, if the total program budget is not reported in the President's Budget and supporting documentation. For example, the annual SAR should reflect the R-1/P-1 Exhibits (see DoD 7000.14-R, "Financial Management Regulation") plus initial spares, unless the R-1/P-1 and the SAR reflect different aggregations of cost—in which case the common portions should agree. For those years not covered by the R-1/P-1, the SAR would reflect another budget supporting documentation such as the Future Years Defense Program (FYDP) or other documentation of appropriate decision authority (e.g., the Secretary of Defense or the Congress).

2.2.2 Quarterly SARs

The submission of Quarterly SARs for the second, third, and fourth quarters of the fiscal year (March 31, June 30, and September 30, respectively) are required to be submitted on an exception basis when there has been one of the following:

1. A 15% or more increase in the Program Acquisition Unit Cost (PAUC) or Average Procurement Unit Cost (APUC) (in Base-Year dollars) compared to the current APB, PAUC< or APUC, or a 30% or more increase in the PAUC or APUC compared to the original APB (i.e., the Unit Cost Reporting (UCR) baselines), or
2. A 6-month or greater delay in the Current Estimate of any schedule milestone since the Current Estimate of the previous SAR.

In addition, interim quarterly SARs are required by Departmental guidance to be submitted when there has been a Milestone B or Milestone C APB approval during the reporting quarter 'as of date'. Quarterly exception SARs may also be submitted to reflect corrections to funding, variance calculations, or categorizations as directed by the Office of the Under Secretary of Defense (Acquisition Technology & Logistics) (OUSD (AT&L)); program rebaselining after major milestone decisions (e.g., Milestone B or Milestone C), or for initial SARs and termination SARs.

2.2.3 Joint Program SARs

For programs involving the formal participation of more than one DoD Component, Selected Acquisition Reporting is required for the lead DoD Component as well as the other participating DoD Components. Selected Acquisition Reporting of such programs is accomplished by the lead DoD Component submitting a composite SAR that reflects the total program of all participating DoD Components, and includes separate program funding summaries for each participating DoD Component funding appropriations.

2.2.4 RDT&E Only SARs

In accordance with Title 10, United States Code, Section 2432, "Selected Acquisition Reports," pre-Milestone B programs may submit RDT&E-only SARs that exclude procurement, military construction, and acquisition-related operation and maintenance costs, if:

- The DoD Components submit to the USD (AT&L) the names of those programs for which they intend to submit RDT&E-only SARs, 45 days before the end of the reporting quarter.
- The USD (AT&L) notifies Congress 15 days before a report is due of the newly reportable programs for which RDT&E-only SARs will be submitted.

2.3 SAR BASELINE

The SAR Baseline (i.e., Planning Estimate (PE), Development Estimate (DE), or Production Estimate (PdE)) normally reflects the cost, schedule, and performance estimates of the program at the most recent major milestone decision (i.e., Milestone A, B, or C), as documented by the major milestone decision APB. The SAR baseline values are expressed in terms of the objectives of the major milestone APB. Once established, the SAR baseline remains in effect until the program transitions to a new SAR baseline after the next major milestone decision point (i.e., to a Development Estimate at Milestone B or to a Production Estimate at Milestone C). (This means that the SAR baseline and the major milestone APB are usually the same in initial SARs or rebaseline SARs (Phase II) submitted after a major milestone decision, but may not be the same in subsequent SAR submissions since the APB

may change several times between major milestone decisions.) The following are exceptions to the rule that the SAR baseline is the same as the APB approved at the most recent major milestone decision:

- a. For a program submitting an initial SAR between major milestones, the SAR baseline will reflect the currently approved APB, which may not necessarily be the same as the APB approved at the major milestone decision.
- b. In an initial SAR for a program for which an APB has not yet been approved, the SAR baseline may reflect the proposed APBs' values of cost, schedule, and performance. This is an exceptional situation, since the Department prefers not to submit SARs without an approved APB. Furthermore, in accordance with 10 USC 2435, note that no amount appropriated or otherwise made available to the Department of Defense for carrying out a Major Defense Acquisition Program may be obligated after the program enters system development and demonstration (i.e., Milestone B) without an approved APB unless such obligation is specifically approved by the USD (AT&L). The Acquisition Decision Memorandum (ADM), major milestone decision documentation, test, and evaluation master plan, Future Years Defense Program, or a similar document or combination of documents may also be used to define the proposed APB and associated SAR Baseline in the absence of an approved APB.)

2.4 ADDITIONAL SAR GUIDANCE

For the December SARs, formal guidance will be issued by OUSD (AT&L)/ARA in January of each year. The guidance package will include specifics about reporting dates, the use of DAMIR, the reporting programs, and other important submission information. When required, specific SAR preparation guidance may be issued by the USD (AT&L) for the quarters ending March 31, June 30, and September 30.

3. NAVIGATING TO COST VARIANCE OF A SAR

This portion describes how you can navigate to the Cost Variance section for a SAR.

Upon entering the DAMIR the following screen will be presented:

DAMIR Alerts

- > **DAMIR known issue.** DAMIR has been experiencing difficulties generating PDF reports and printing displays using the printer icon. We have taken measures to correct the problem. Please contact the DAMIR hotline if you are unable to use the PDF or print capabilities at dampir@caci.com or 703-679-5345.
- > DAMIR help is available via e-mail: dampir@caci.com (acquisition reporting and DAMIR application) and dampir@osd.mil (DAMIR account). Help is also available via telephone at 703-679-5345.
- > For information on DAMIR training and support, please visit the DAMIR public website at www.acq.osd.mil/dampir.

Notifications

- > STRYKER OCT 2011 APB Released to APB Final Release
- > FIRST OCT 2011 APB Released to MAIS DBS Final Release
- > FIRST OCT 2011 APB Released to USD(AT&L) MDA MAIS DBS
- > JASSM (JASSM/JASSM-ER) OCT 2011 APB Released to APB Final Release
- > NAVSTAR GPS OCT 2011 APB Released to APB Final Release
- > IDECM AUG 2011 APB Released to Navy APB Final Release
- > GMLRS/GMLRS AW SEP 2011 SAR Released to AT&L ARA Review
- > GMLRS/GMLRS AW SEP 2011 SAR Released to AR&A/AM Release
- > FIRST DEC 2011 MAR Released to MAR
- > VIPS DEC 2011 MAR Released to MAR
- > TMP-J Inc 2 OCT 2011 MAR OE Released to MAIS MOE
- > FIRST OCT 2011 MAR OE Released to MAIS MOE
- > JLENS JUL 2009 APB Released to APB Final Release
- > TMP-J Inc 2 SEP 2011 MAR OE Released to MAIS MOE
- > TMP-J Inc 2 SEP 2011 MAR OE Assigned to TMP-J Inc 2

[View More](#)

Purview

- Program View
- Acquisition Documents
- Package Coordination Tracker
- DAES Review
- Ad hoc Reports
- Portfolio View
- Official MDAP List

Data Collection

- Create or Edit a SAR
- Create or Edit an APB
- Create or Edit a SAR Baseline
- Create or Edit a MAR OE
- Create or Edit a MAR
- Create or Edit a Budget Report
- Create or Edit a DAES Report
- Manage Submissions
- Upload Documents

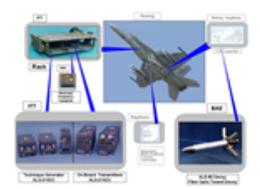
Administration

- Update My Information
- Manage Notifications
- User Administration
- Organizational Administration
- Security Group Administration
- Program Administration
- Program Analyst Administration
- Program Release Process
- DAES Review Release Process
- Web Administration
- PDF Administration
- Batch PDF Generation
- App Error Review
- Security Log
- Query Database

Related Sites

- Acquisition Web
- DAMIR Public Website
- Army AIM
- Navy Dashboard
- Air Force SMART
- DPAP
- AT&L Knowledge Sharing System (AKSS)
- DAB Schedule
- ADM Website
- CAPE Cost Generator Tool

Recent Programs

NAVSTAR GPS	IDECM	STRYKER
		
View: SAR APB DAES/WS Edit: SAR APB DAES	View: SAR APB DAES/WS Edit: SAR APB DAES	View: SAR APB DAES/WS Edit: SAR APB DAES

Other Pages

- Email Test
- Customize Dictionary
- PDF Upload
- Submission Regression Test Tool

Figure 1 - DAMIR Portal Welcome Screen

The entire DAMIR Portal screen is presented above. In this manual we will be focusing on the functions within Data Collection, specifically **Create or Edit a SAR**.

The left-hand panel, titled **DAMIR Alerts**, contains alert messages broadcast from DAMIR administrators to DAMIR users. Beneath that area is an area titled **Notifications**, which can be automatically generated for a program as the program is elevated in the acquisition process.

Underneath the primary area of the DAMIR Portal, you are presented a means to quickly access recently used programs:



Figure 2 - Recent Programs Area

In this example, the last three programs accessed were:

- HIMARS
- Stryker
- JSOW

Notice that you can view (via Purview) the SAR, the APB, or DAES/Web Services (DAES/WS) by clicking on **SAR**, **APB**, or **DAES/WS**, respectively.

Alternatively, you can edit (via Create or Edit) the SAR, the APB, or DAES by clicking on **SAR**, **APB**, or **DAES**, respectively.

If the desired program is not within the **Recent Programs Area**, the following paragraphs describe how you can access other programs to **Create or Edit a SAR** a program.

3.1 DAMIR PORTAL (PRIMARY AREA)

Upon entering the DAMIR the following screen will be presented:

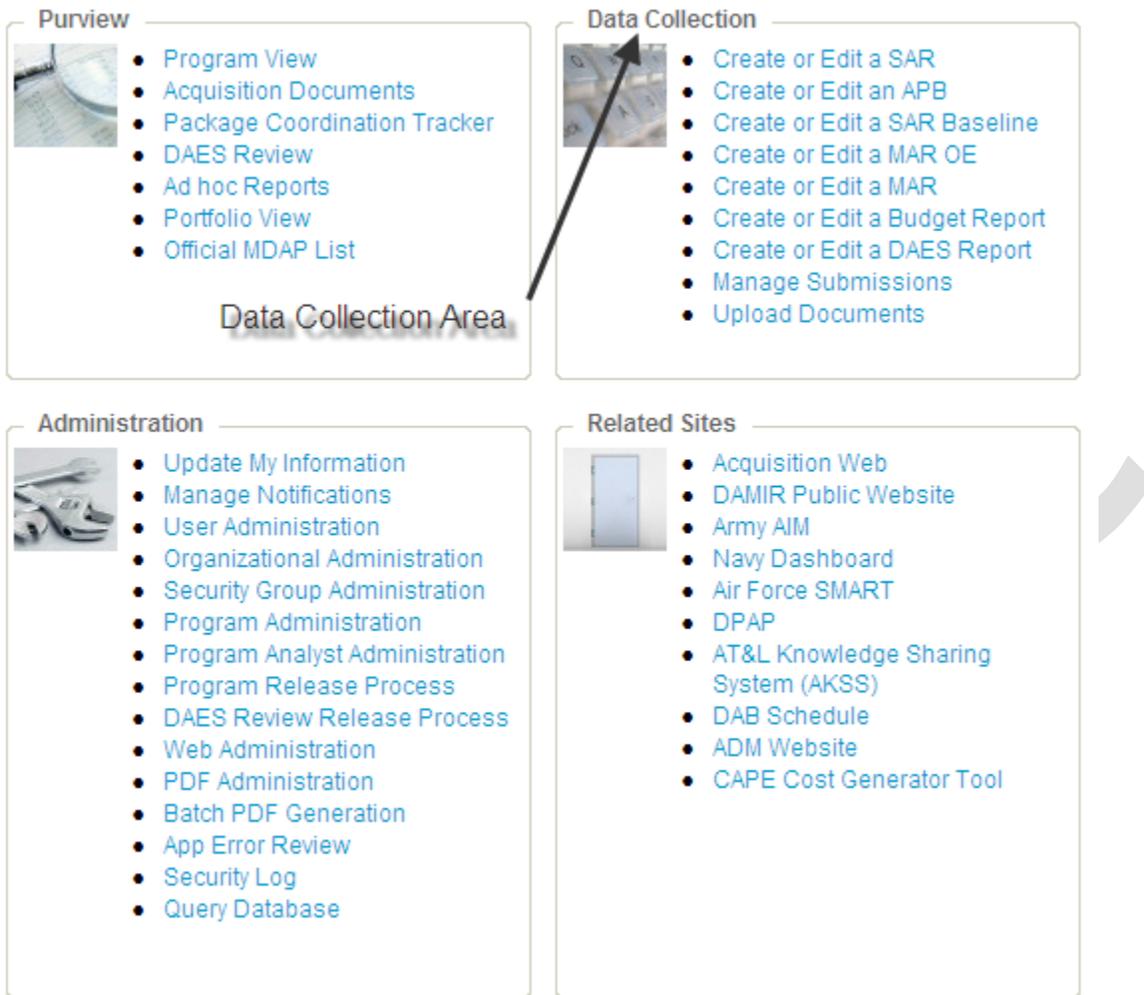


Figure 3 - DAMIR Portal Screen (Primary Area)

For those of you that just wish to review your reports without making changes, you will use the Purview section. We have described how to use the options in Purview in another document entitled "DAMIR Purview Instructions", which describes its use for all DAMIR reports.

3.2 DATA COLLECTION AREA

In the Data Collection area in the upper right-hand portion, click on the **Create or Edit a SAR** link to begin the creation process.

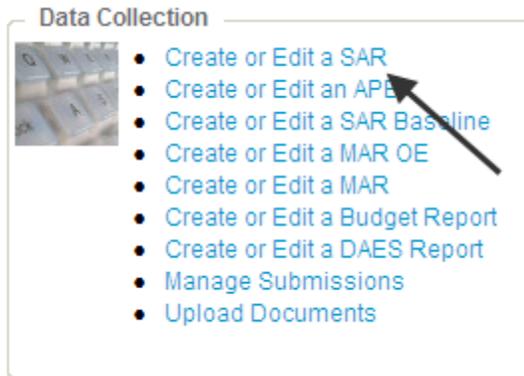


Figure 4 - Data Collection Option

3.3 SELECT A PROGRAM

As shown below, the various programs will be presented separated by the initiating Service or Agency. Use the scroll bar on the right to locate the desired Service or Agency. The order of these sections is:

1. Army
2. Navy
3. Air Force
4. DoD where the agencies are listed

Click the desired program to create a new SAR or edit an existing one.

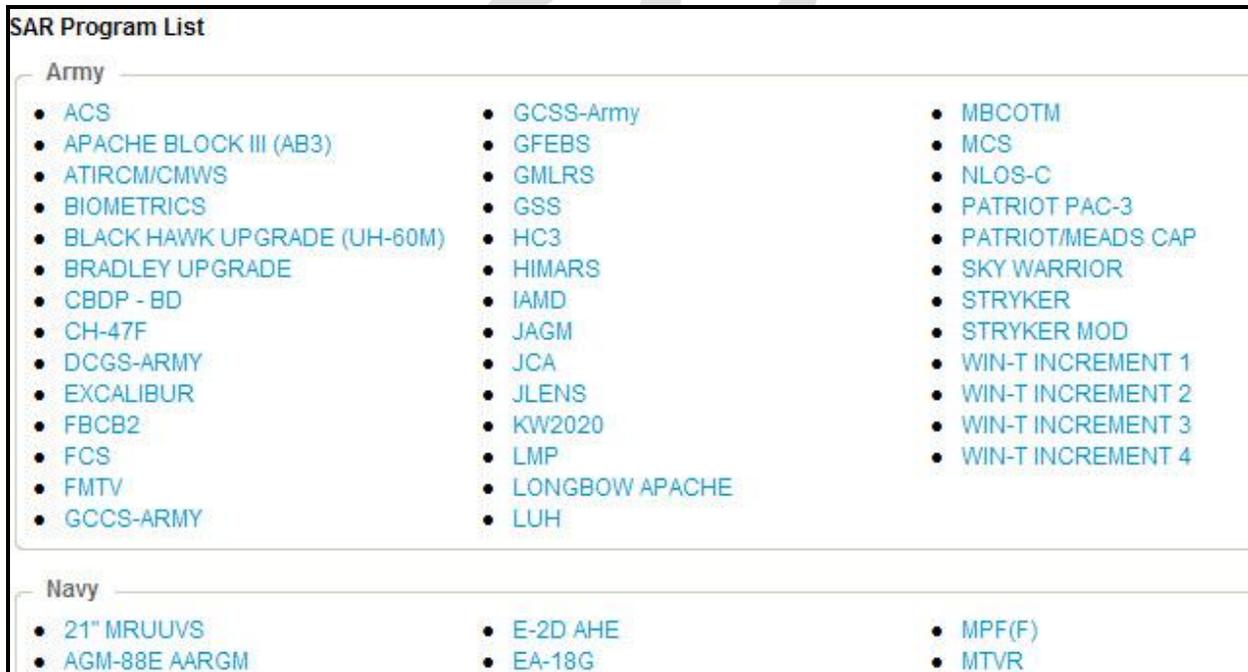


Figure 5- Select a Program

3.4 INITIALIZATION SCREEN

Once you have selected a program, you will be presented with a screen to specify some options for your SAR. The screen comes in two flavors:

- Initialize a New SAR
- Edit a SAR

3.4.1 Initialize a New SAR

When initially creating a SAR, there are fewer options from which to choose.

Figure 6 - Initialize a New SAR

Table 2 - Initialize SAR Options

Field Title	Format	Content/Notes
Submission Date	Drop-down	Select the date of the submission from the drop-down presented in MMM YYYY format.
Previous SAR	Display	Date of the previous SAR
	Buttons	After making your choices, press the Continue... button to continue defining your SAR. Press the Cancel button to terminate the SAR initialization process.

3.4.2 Editing a SAR

The screen below is the one usually presented when updating a SAR. There are two radio buttons presented. You may only choose one of the options.

- SAR Edit Options Screen

Table 3 - Edit SAR Options

Field Title	Format	Content/Notes
Continue working on this SAR	Radio Button	Select this radio button to continue with this SAR.
Delete This SAR	Radio Button	Select this radio button to delete this SAR.
	Buttons	After making your choices, press the Continue... button to continue working on or deleting your SAR. Press the Cancel button to terminate the SAR editing process.

3.5 INITIAL SAR SCREEN

The initial screen presented when entering or editing a SAR is the Submission Status screen as shown below (note the presence of a data check message):

SAR Report Options

Submission Status for STRYKER (PNO: 299) DEC 2011 SAR [View this Submission](#)

SAR Submission Status Instructions Show

Process Step	Status	Auto Pass?	Action
Final Release	Pending		
AT&L ARA Review	Pending	<input type="checkbox"/>	
AR&A/AM Release	Pending	<input type="checkbox"/>	
Army	Pending	<input type="checkbox"/>	
PEO GCS	Pending	<input type="checkbox"/>	
STRYKER	In Process		<input type="button" value="Release"/>

Run Data Checks Last Run: 10/12/2011 03:25:56 EST

Type	Level	Section	Description																																																							
		Cost & Funding Track to Budget	The following MILCON line items do not have a Project number: <table border="1"> <thead> <tr> <th>Subprogram</th> <th>Account</th> <th>Budget Activity</th> <th>Program Element</th> <th>Project</th> </tr> </thead> <tbody> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0313110A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0536370A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0559850A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0640180A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0644560A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0659350A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0670660A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0679680A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0765840A</td><td></td></tr> <tr><td>STRYKER</td><td>2050</td><td>01</td><td>0766020A</td><td></td></tr> </tbody> </table>	Subprogram	Account	Budget Activity	Program Element	Project	STRYKER	2050	01	0313110A		STRYKER	2050	01	0536370A		STRYKER	2050	01	0559850A		STRYKER	2050	01	0640180A		STRYKER	2050	01	0644560A		STRYKER	2050	01	0659350A		STRYKER	2050	01	0670660A		STRYKER	2050	01	0679680A		STRYKER	2050	01	0765840A		STRYKER	2050	01	0766020A	
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STRYKER	2050	01	0765840A																																																							
STRYKER	2050	01	0766020A																																																							
		Cost & Funding	The following cost categories exceed their associated threshold in the APB. <table border="1"> <thead> <tr> <th>Subprogram</th> <th>Category</th> </tr> </thead> <tbody> <tr><td>STRYKER</td><td>RDT&E</td></tr> <tr><td>STRYKER</td><td>Procurement</td></tr> <tr><td>STRYKER</td><td>MILCON</td></tr> </tbody> </table>	Subprogram	Category	STRYKER	RDT&E	STRYKER	Procurement	STRYKER	MILCON																																															
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STRYKER	Procurement																																																									
STRYKER	MILCON																																																									
		Schedule	The following schedule milestone(s) has a breach. Either the Current Estimate is greater than the APB Threshold or the Current Estimate is N/A and the APB Threshold is not N/A. <table border="1"> <thead> <tr> <th colspan="2">Schedule Milestones</th> <th>APB OCT 2011 Objective</th> <th>APB OCT 2011 Threshold</th> <th>Current Estimate</th> </tr> </thead> <tbody> <tr><td>STRYKER</td><td>Armor IPR</td><td>JUN 2004</td><td>DEC 2004</td><td>FEB 2005</td></tr> <tr><td>STRYKER</td><td>NBC RV Milestone III</td><td>SEP 2006</td><td>MAR 2007</td><td>NOV 2011</td></tr> <tr><td>STRYKER</td><td>MGS Milestone III</td><td>SEP 2006</td><td>MAR 2007</td><td>TBD</td></tr> </tbody> </table>	Schedule Milestones		APB OCT 2011 Objective	APB OCT 2011 Threshold	Current Estimate	STRYKER	Armor IPR	JUN 2004	DEC 2004	FEB 2005	STRYKER	NBC RV Milestone III	SEP 2006	MAR 2007	NOV 2011	STRYKER	MGS Milestone III	SEP 2006	MAR 2007	TBD																																			
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STRYKER	MGS Milestone III	SEP 2006	MAR 2007	TBD																																																						
		Delivery & Expenditure	Expenditure information has not changed. Please check subprogram(s): <table border="1"> <thead> <tr> <th>Subprogram</th> <th>Prior SAR (SEP 2011) Total Expenditures To Date (TY \$M)</th> <th>Current SAR (DEC 2011) Total Expenditures To Date (TY \$M)</th> </tr> </thead> <tbody> <tr><td>STRYKER</td><td>8917.1</td><td>8917.1</td></tr> </tbody> </table>	Subprogram	Prior SAR (SEP 2011) Total Expenditures To Date (TY \$M)	Current SAR (DEC 2011) Total Expenditures To Date (TY \$M)	STRYKER	8917.1	8917.1																																																	
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STRYKER	8917.1	8917.1																																																								
		Performance	No performance changes are indicated. Please check to make sure that there are no performance changes in the current estimate since the prior SAR.																																																							

Figure 7 - Initial SAR Screen

3.6 SECTION ACCESS LINKS

The panels on the left of the screen contain commands that will present the screens of the various sections of the SAR. When creating a SAR, most users will begin with the Nomenclature/Component section and simply march down the list until all desired sections have been completed. When editing, you may address the sections in any order.

For the purposes of this document, we will focus only on the Cost Variance section that is highlighted in the following:



Figure 8 – Cost Variance Section Access

As the individual screens are presented in the following paragraphs, the instructions will **not be displayed**. There will also be data present in many of the screens, which will serve as a sample of the type of data to be entered.

At the bottom of each screen where data may be entered, you will be presented the following:



Last Updated: 10/12/2011 03:34:58 EST by Ms. Heather A. Loretoni

Figure 9 - Save/Cancel Buttons

Before you leave any screen, be sure to press the **Save** button to save the data entered. If you press the **Cancel** button, the screen content will revert back to the last time the section data was saved.

Note: If a SAR is being initially created and the **Save** button has not been pressed, the screen presented will be empty.

As shown above, the bottom, right-hand portion of the screen records the date and time the SAR was last updated, as well as the name of the person who last updated the SAR. The system automatically records this.

Some of the screens have been captured in two or three portions because the screen image is too large for one image.

3.7 SECTION INSTRUCTIONS

As a default, each section displays instructions at the top of each screen for a section. See Appendix A for the instructions for the Cost Variance section. A sample set of instructions for the Nomenclature/Component section follows:

Nomenclature/Component for STRYKER (PNO: 299) DEC 2011 SAR [View this Submission](#)

Instructions	Hide
<p>Preferred Name Enter the popular name (if any) of the DoD acquisition program that is being reported (e.g., F-99A). This is the name that will be used throughout the DAMIR for all reports. This name, like the subprogram name is auto-populated by your previously approved SAR. Please consult your OUSD(AT&L) POC or CAE before making any modifications to this field.</p> <p>Designation/Nomenclature Enter the full name followed by the popular name of the acquisition program in the parentheses (e.g., Advanced Fighter (F-99A)).</p> <p>DoD Component Choose the responsible DoD Component, or lead DoD Component if the program is joint. Click on the down arrow to bring up a list of selections, then click on the desired DoD component.</p> <p>Joint Participants If the program is joint, enter the Joint Participants (DoD Components and/or Agencies) by double clicking onto "Add New Joint Participant" link. Use the Insert button to enter the Joint Participant that you have just added. For each Joint Participant to be added click the "Add New Joint Participant" followed by the Insert button. Click Cancel button to cancel out from the most recently entered Joint Participant. To remove any inserted Joint Participant, check the delete check box and Click Delete Selected button to remove selected entry or entries.</p> <p>Set Order Number Set the order that you want the Joint Participants to be listed by entering a number in the Set Order Number box to the right of the specified Joint Participant. Click 'save' to save the updated information or cancel to revert back to the old information.</p>	

Figure 10 - Sample Instructions

Note:	If you do not wish to see these instruction, click on Hide (Hide) that is found in the upper, right-hand corner. The Hide will be replaced by Show (Show), which will make the instructions reappear.
--------------	---

3.7.1 Hide Button

The **Hide** ([Hide](#)) button hides the Instructions for the current section being displayed.

3.7.2 Show Button

The **Show** ([Show](#)) button redisplay the Instructions for the current section.

3.8 DISCUSSION SUMMARY

DAMIR has another facility to review all comments made in the various sections pertaining to the program in the Discussion Summary screen. It also enables you to add additional comments.

The Discussion Summary facility is started by clicking on the **Discussion Summary** link found in the left-hand panel of all screens within the Summary portion.

<p>Summary</p> <ul style="list-style-type: none">• Submission Status• Discussion Summary

Figure 11 - Summary Section

The following screen is presented with all discussion entries listed by section, entering person, and date.

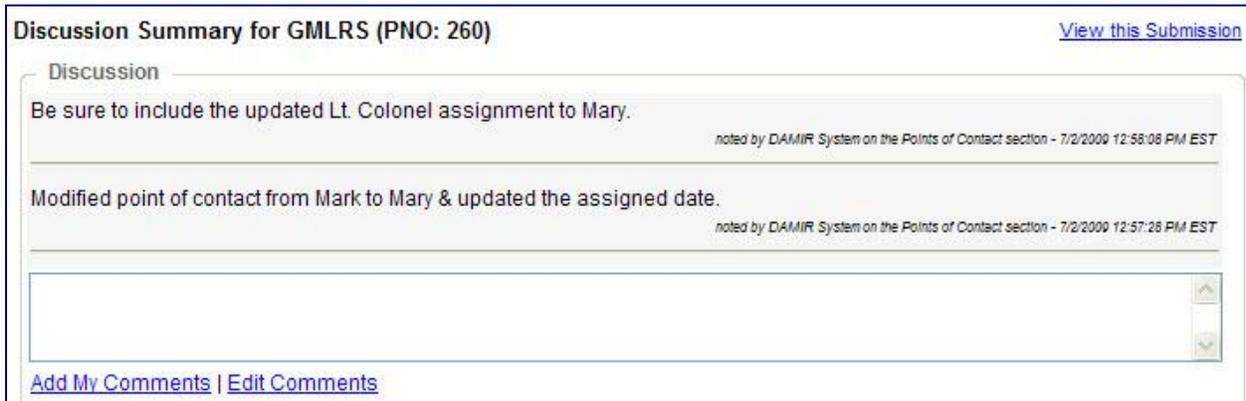


Figure 12 - Discussion Summary Screen

3.9 NAVIGATING AWAY FROM DATA ENTRY SCREEN

If you choose to navigate to another screen—with unsaved changes on the current screen—you will be presented the following message:



Figure 13 - Navigation Warning Message

If you do not wish to save your changes, press the **OK** button. Press the **Cancel** button to return to the screen with your most recent changes intact. You will then be able to save your work by pressing the **Save** button.

4. COST VARIANCE SECTION

The Cost Variance Summary section is automatically created by the software. The Cost Variance Summary shows information about cost changes to the program since the most recent SAR Baseline as well as current changes since the prior SAR. It provides a Then-Year (TY) and a Base-Year (BY) dollar table of categorized cost variances. These tables are for review only.



The Cost Variance section is initiated by clicking on the **Cost Variance** link found in the *Data Sections* panel on the left-hand side of the *SAR Report Options* segment.

Data Sections

- Executive Summary
- Threshold Breaches
- Schedule
- Performance
- Cost & Funding
- Unit Cost
- Cost Variance
- Low Rate Initial Production
- Foreign Military Sales
- Nuclear Costs
- Contracts
- Delivery & Expenditure
- Operating & Support

The Cost Variance section:

- Presents the Cost Variance Summary Screen to the user as the default (see Chapter 5 for a discussion of its content).
- Is a key section of the SAR.
- Identifies the total variance between the previous SAR (PCE) and the current SAR (CE) versus Cost Variance (CE).
- Breaks down the "total variance" into well defined variance categories:
 - Economic: These include changes in the Current Estimate resulting from a change in indices since the previous report. This category includes only those changes due to revisions in the assumptions of historical and future escalation, and it applies only to the Then-Year dollar variance analysis. The Office of the Secretary of Defense escalation rates published with the President's Budget will be reflected in the annual SAR. These same rates will be reflected in subsequent 2nd, 3rd, or 4th quarterly SAR submissions. Prior approval of the USD (AT&L) is required for economic changes based on system-specific rates in prior years.
 - Quantity: A change in the number of development or production units of an end item of equipment. Ordinarily, categorization as a quantity change will be limited to those end items for which unit costs are required and for which cost-quantity information has been submitted. All Production quantity changes will be calculated using the baseline cost-quantity relationship in effect (Planning Estimate (PE), Development Estimate (DE), or Production Estimate (PdE),

whichever is applicable). (Note that the baseline cost-quantity relationship is expressed in Base-Year dollars.) The difference between the cost of the quantity change based on the SAR Baseline cost-quantity relationship and the cost based on the previous Current Estimate cost-quantity relationship will be allocated to schedule, engineering, estimating, and other categories, as appropriate (for example, "allocation to estimating due to quantity decrease"). Quantity changes in support items are categorized as "support" and are not included here. Also, quantity changes are not applicable to the military construction and operation and maintenance appropriations.

- Schedule: This is a rephrasing of development effort or a change in a procurement buy profile. Changes in support items are not included. Schedule changes may be quantity-related changes.
 - Engineering: These are an alteration in the physical or functional characteristics of a system or item delivered, to be delivered, or under development—after establishment of such characteristics. Changes in support items are not included. Engineering changes may be quantity-related changes.
 - Estimating: These may be a change in program cost due to refinement of a prior Current Estimate, or a change in program or cost estimating assumptions and techniques not provided for in the quantity, engineering, or schedule variance categories. For example, the adjustment for assumptions on current and prior escalation rates, or correction of an error in preparing the baseline cost estimate. Changes in support items are not included. Estimating changes may be quantity-related changes.
 - Other: Use of this category must be pre-approved by the OUSD (AT&L) and is appropriate only for the most unusual circumstances, such as a change in program cost due to natural disasters, work stoppage, and similarly unforeseeable events not covered in other variance categories. The only other use for this category is to record the RDT&E and military construction reductions to terminated programs that have not yet entered production. Other changes are not acquisition reform savings or quantity-related changes.
 - Support: Any change in cost, regardless of reason, associated with any Work Breakdown Structure (WBS) element not included in the flyaway costs as defined in DoD 5000.4-M, "Cost Analysis Guidance and Procedures". This category generally includes all costs changes associated with training and training equipment, peculiar support equipment, data, operational site activation, and initial spares and repair parts. However, construction costs funded by the military construction appropriation and associated only with operational site activation will be categorized elsewhere (except quantity). Note that the total support change (previous plus current) will equal the difference between the support items in the SAR baseline and the support items in the Current Estimate. Support changes may be quantity-related changes.
- Provides explanations for each separate cost change

The following depicts the various items involved in the Total Variance:

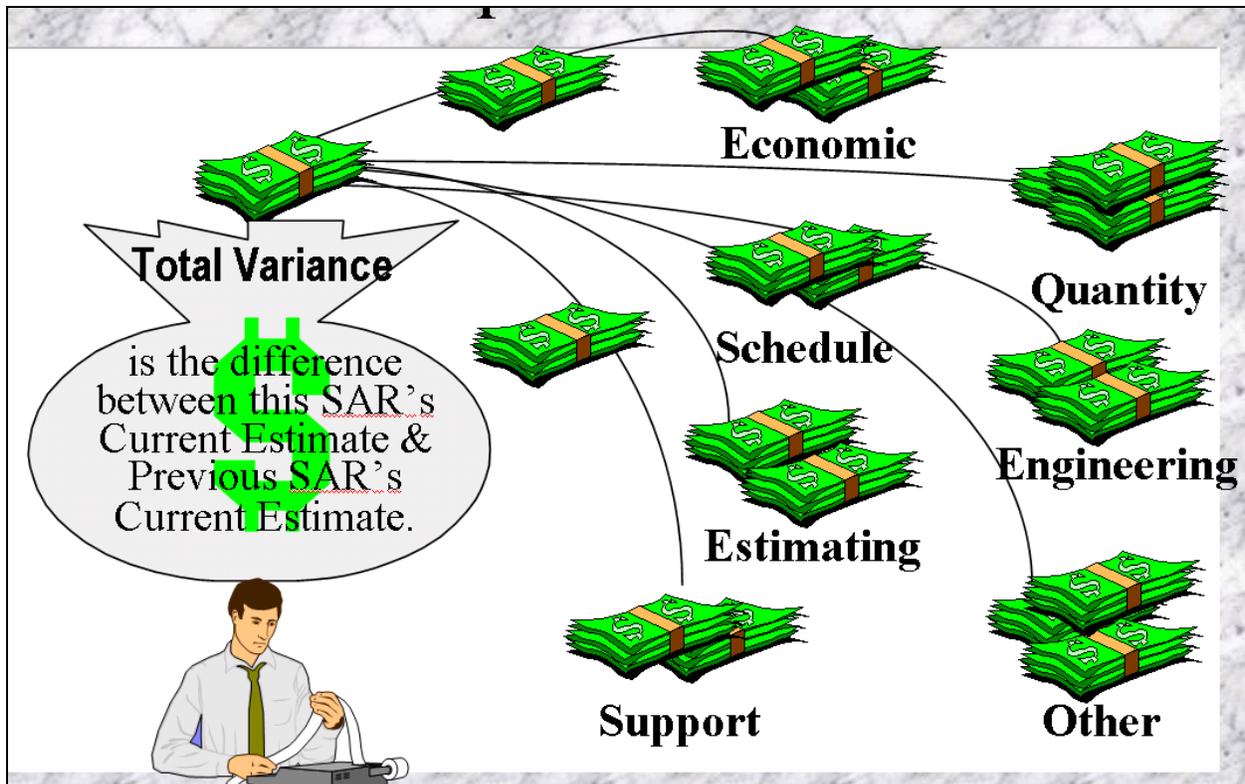


Figure 14 – Total Variance Factors

There are four steps to reporting SAR cost variances:

1. The calculation of the total variance for each appropriation.
2. The identification of the appropriate variance category for a particular change.
3. Determining the dollar amounts for each variance category by fiscal year.
4. Providing the explanation for the changes. It is important to use the right words to provide understandable, acceptable change explanation. This is probably the most important step.



5. COST VARIANCE SUMMARY

The Cost Variance Summary is the default report displayed when the **Cost Variance** link or **Cost Variance Summary** link is selected. The only data entry fields are the *Memo* and *Discussion* entries, except when the Program is transitioning to the next Major Milestone. When this occurs, an Adjustments line is displayed and data entry text boxes are available to provide total new appropriation category amounts that did not exist before the transition.



The report displays a summary of Then-Year dollars (in millions) of Previous Changes and Current Changes by category (e.g., Economic, Quantity, etc.) by appropriation category (e.g., RDT&E, Procurement, etc.).

A **View this-Submission** link is in the upper, right-hand corner to display the Purview view of the **Cost Variance** screen. A **View Base-Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$.

Cost Variance Summary for STRYKER (PNO: 299) - DEC 2011 SAR

Cost Variance Summary Instructions

Show

[View Base Year \\$](#)

Summary Then Year \$M

	RDT&E	Procurement	MILCON	Acq O&M	Total
SAR Baseline (Prod Est)	675.6	6525.8	1333.3	0.0	8534.7
Previous Changes					
Economic	1.5	80.1	43.2	0.0	124.8
Quantity	30.1	6383.8	0.0	0.0	6413.9
Schedule	0.1	-310.5	0.0	0.0	-310.4
Engineering	478.8	2187.9	3.0	0.0	2669.7
Estimating	-155.9	-2359.8	1102.3	0.0	-1413.4
Other	0.0	0.0	0.0	0.0	0.0
Support	0.0	1064.1	0.0	0.0	1064.1
Subtotal	354.6	7045.6	1148.5	0.0	8548.7
Current Changes					
Economic	0.0	0.0	0.0	0.0	0.0
Quantity	0.0	0.0	0.0	0.0	0.0
Schedule	0.0	0.0	0.0	0.0	0.0
Engineering	0.0	0.0	0.0	0.0	0.0
Estimating	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0
Support	0.0	0.0	0.0	0.0	0.0
Subtotal	0.0	0.0	0.0	0.0	0.0
Cost Variance CE	1030.2	13571.4	2481.8	0.0	17083.4
Cost & Funding CE	1030.2	13571.4	2481.8	33.7	17117.1

Memo

ABC | B | I | U | ☰ | ☷

Design | HTML | Preview

[Clear Formatting](#) | [Clear Text](#)

Save | Cancel

Last Updated: 10/13/2011 09:43:15 EST by DAMIR System

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 15 - Cost Variance Summary Screen

5.1 COST VARIANCE SUMMARY TIPS

What do I have to do here?

- Normally, no data entry is required.
- To begin working on Cost Variance for this SAR, select the appropriation category that you want to work on from the navigation tree on the left under Computational Model. This will take you to the Computational Model Command Center for that appropriation category.
- If your program is transitioning to the next Major Milestone (e.g., Milestone C or Production), edit boxes will open in Previous Changes for Engineering, Estimating, and Other variance as well as the Adjustments line to allow adjustments because new funding sources have been introduced that did not previously exist.
- The goal for the Cost Variance section of the SAR is to explain all cost changes in the Current Estimate (CE) since the Current Estimate of the Previous SAR (PCE). Use the Computational Model to provide explanations and dollar amounts for the Current Changes. Previous Changes are the aggregate totals for cost changes that have happened since the SAR Baseline.
- At the top, totals for SAR Baseline (e.g., Planning, Development, and Production) appropriation categories and program total are shown. The SAR Baseline is the cost starting point for the program.
- Previous and Current Changes and Totals for the program are shown below the SAR Baseline.

- The SAR Baseline plus Previous Changes will always equal the Current Estimate of the previous SAR (PCE).
- The SAR Baseline plus Previous Changes plus Current Changes must always equal the CE—as entered into Cost and Funding. A SAR cannot be released to Congress if these values do not match.
- The Cost and Funding CE totals are displayed below the Cost Variance CE totals so you can determine if all cost changes plus the SAR Baseline add to the Cost and Funding CE—as entered into the Cost and Funding.
- All mismatches between the Cost Variance CE and the Cost and Funding CE will be displayed in magenta.
- Once all cost changes have been accounted for since the PCE, the Cost Variance CE will match the Cost and Funding CE. If the two do not match, then an unexplained Cost Variance remains.

On the left edge of the screen is a panel that provides links to various portions of Cost Variance including:

- Cost Variance Summary
- Cost Variance Detail Report
- Change Explanations
- Computational Model (the links within this area are dependent upon the appropriations for the selected program—in this case, we have shown all of the possible sub-entries because all will be discussed in detail)

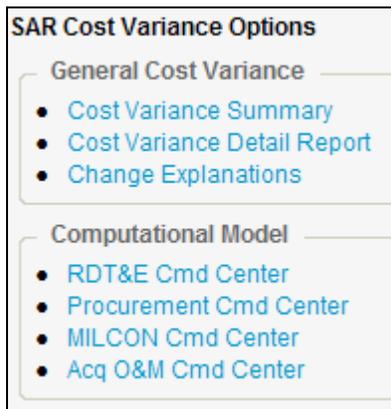
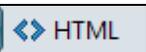
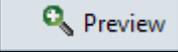


Figure 16 - Cost Variance Links

Table 4 - Cost Variance Summary Fields

Field Title	Format	Content/Notes
Memo	Text	<p>Enter desired text to be associated with the Cost Variance of the program as a memo. This information will appear as part of the SAR report and will be viewable by all authorized individuals with SAR access.</p>   <p>- Click on this button to check the spelling of your text.</p>

Field Title	Format	Content/Notes
		<p> - Click on this button to make highlighted text bold.</p> <p> - Click on this button to make highlighted text italic.</p> <p> - Click on this button to underline highlighted text.</p> <p> - Click on this button to number and list highlighted text.</p> <p> - Click on this button to list the highlighted text as bullet items.</p> <p> - This is the default (normal) view of the text. It may also be used to revert back to the normal view from the next two icon displays.</p> <p> - Display the Memo as HTML code.</p> <p> - Preview the Memo area as it will appear on the report.</p>
 	Buttons	<p>Save - Save all changes to the screen.</p> <p>Cancel - Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.</p>
Discussion	Text	<p>Add My Comments - Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments - Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

6. COST VARIANCE DETAIL REPORTS

The Cost Variance Detail Reports display a number of detail reports regarding cost variance. You may also enter *Discussion* text if you so desire. Reports generated include:

- Command Center Detail
 - Computational Model Command Center – RDT&E TY
 - Computational Model Command Center – RDT&E BY
 - Computational Model Command Center – Procurement TY
 - Computational Model Command Center – Procurement BY
 - Computational Model Command Center – MILCON TY
 - Computational Model Command Center – MILCON BY
 - Computational Model Command Center – OM TY
 - Computational Model Command Center – OM BY
- Total Variance Detail
 - Total Variance for – RDT&E TY
 - Total Variance for – RDT&E BY
 - Total Variance for – Procurement TY
 - Total Variance for – Procurement BY
 - Total Variance for – MILCON TY
 - Total Variance for – MILCON BY
 - Total Variance for – OM TY
 - Total Variance for – OM BY
- Economic Variance Detail
 - Economic Variance for RDTE – Appropriation XXXX TY
 - Economic Variance for Procurement – Appropriation XXXX TY
 - Economic Variance for MILCON – Appropriation XXXX TY
 - Economic Variance for OM – Appropriation XXXX TY
- Quantity-Schedule Variance Detail
 - Procurement Quantity Variance–Quantity Lot Buys
- Cost-Quantity Curve Detail
 - Cost-Quantity Curves Best Fit Information
 - Cost/Quantity Curves (graph)
 - PCE Cost-Quantity Curve Data & SAR Baseline Cost-Quantity Curve Data
- Support Variance Detail
 - Initial Spares for Appropriation XXXX TY \$M
 - Initial Spares for Appropriation XXXX BY YYYY \$M
 - Other Support for Appropriation XXXX TY \$M
 - Other Support for Appropriation XXXX BY YYYY \$M

Because of the size and large number of reports, only a small portion of each report will be displayed along with the totals. Click on the Print icon ([Print](#) ) in the upper, right-hand corner of each report to print the currently displayed report.

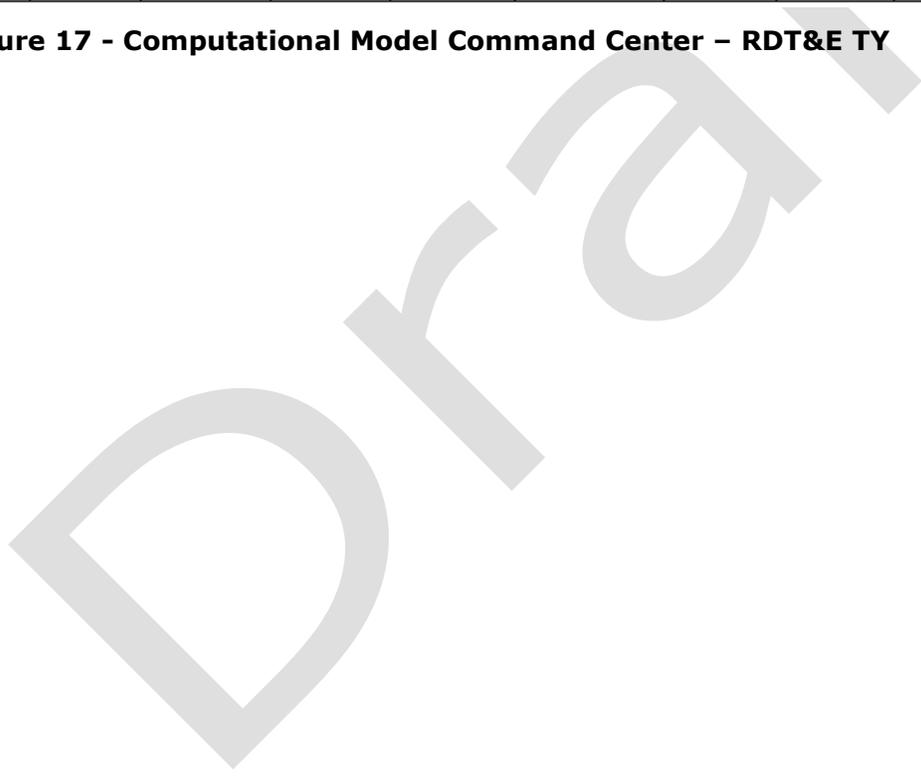
6.1 COMPUTATIONAL MODEL COMMAND CENTER - RDT&E TY

This report presents the various category variances for RDT&E in Then-Year dollars (TY\$) for each fiscal year.

Computational Model Command Center - RDTE TY \$M

		minus	minus	minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Quantity Variance	Schedule Variance	Engineering Variance	Other Variance	Support Variance	Estimating Variance	Unexplained Variance
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 17 - Computational Model Command Center – RDT&E TY



6.2 COMPUTATIONAL MODEL COMMAND CENTER - RDT&E BY

This report presents the various category variances for RDT&E in Base-Year dollars (BY\$) for each fiscal year.

Computational Model Command Center - RDTE BY 2004 \$M

		minus	minus	minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Quantity Variance	Schedule Variance	Engineering Variance	Other Variance	Support Variance	Estimating Variance	Unexplained Variance
2000	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 18 - Computational Model Command Center – RDT&E BY

6.3 COMPUTATIONAL MODEL COMMAND CENTER - PROCUREMENT TY

This report presents the various category variances for Procurement in Then-Year dollars (TY\$) for each fiscal year. It also presents special totals for Quantity.

Computational Model Command Center - Procurement TY \$M									
		minus	minus	minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Quantity Variance	Schedule Variance	Engineering Variance	Other Variance	Support Variance	Estimating Variance	Unexplained Variance
2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quantity Allocations			0.0	0.0	0.0	0.0		0.0	
Grand Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 19 - Computational Model Command Center – Procurement TY

6.4 COMPUTATIONAL MODEL COMMAND CENTER - PROCUREMENT BY

This report presents the various category variances for Procurement in Base-Year dollars (BY\$) for each fiscal year. It also presents special totals for Quantity.

Computational Model Command Center - Procurement BY 2004 \$M

		minus	minus	minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Quantity Variance	Schedule Variance	Engineering Variance	Other Variance	Support Variance	Estimating Variance	Unexplained Variance
2000	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	N/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quantity Allocations			0.0	0.0	0.0	0.0		0.0	
Grand Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 20 - Computational Model Command Center – Procurement BY

6.5 COMPUTATIONAL MODEL COMMAND CENTER - MILCON TY

This report presents the various category variances for MILCON in Then-Year dollars (TY\$) for each fiscal year.

Computational Model Command Center - MILCON TY \$M							
		minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Schedule Variance	Engineering Variance	Other Variance	Estimating Variance	Unexplained Variance
2002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2008	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 21 - Computational Model Command Center – MILCON TY

6.6 COMPUTATIONAL MODEL COMMAND CENTER - MILCON BY

This report presents the various category variances for MILCON in Base-Year dollars (BY\$) for each fiscal year.

Computational Model Command Center - MILCON BY 2004 \$M							
		minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Schedule Variance	Engineering Variance	Other Variance	Estimating Variance	Unexplained Variance
2002	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2003	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2004	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2005	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2006	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2007	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2008	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2009	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2010	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2011	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2012	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2013	0.0	N/A	0.0	0.0	0.0	0.0	0.0
2014	0.0	N/A	0.0	0.0	0.0	0.0	0.0
Totals	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure 22 - Computational Model Command Center – MILCON BY

6.7 COMPUTATIONAL MODEL COMMAND CENTER - OPERATIONS & MAINTENANCE TY

This report presents the various category variances for Operations & Maintenance in Then-Year dollars (TY\$) for each fiscal year.

Computational Model Command Center - OM TY \$M

		minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Schedule Variance	Engineering Variance	Other Variance	Estimating Variance	Unexplained Variance
2010	4.5	0.0	0.0	0.0	0.0	0.0	4.5
2011	9.0	0.0	0.0	0.0	0.0	0.0	9.0
2012	5.6	0.0	0.0	0.0	0.0	0.0	5.6
2013	11.4	0.0	0.0	0.0	0.0	0.0	11.4
2014	3.2	0.0	0.0	0.0	0.0	0.0	3.2
Totals	33.7	0.0	0.0	0.0	0.0	0.0	33.7

Figure 23 - Computational Model Command Center – Operations & Maintenance TY



6.8 COMPUTATIONAL MODEL COMMAND CENTER - OPERATIONS & MAINTENANCE BY

This report presents the various category variances for Operations & Maintenance in Base-Year dollars (BY\$) for each fiscal year.

Computational Model Command Center - OM BY 2004 \$M

		minus	minus	minus	minus	minus	equals
Fiscal Year	Total Variance	Economic Variance	Schedule Variance	Engineering Variance	Other Variance	Estimating Variance	Unexplained Variance
2010	3.9	N/A	0.0	0.0	0.0	0.0	3.9
2011	7.7	N/A	0.0	0.0	0.0	0.0	7.7
2012	4.7	N/A	0.0	0.0	0.0	0.0	4.7
2013	9.5	N/A	0.0	0.0	0.0	0.0	9.5
2014	2.6	N/A	0.0	0.0	0.0	0.0	2.6
Totals	28.4	0.0	0.0	0.0	0.0	0.0	28.4

Figure 24 - Computational Model Command Center – Operations & Maintenance BY



6.9 TOTAL VARIANCE FOR - RDT&E TY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for RDT&E in Then-Year dollars (TY\$) for each fiscal year.

Total Variance Detail for STRYKER (PNO: 299) - DEC 2011 SAR

Total Variance for - RDTE TY \$M			
		minus	equals
Fiscal Year	CE Funding	PCE Funding	Total Variance
2000	14.6	14.6	0.0
2001	241.3	241.3	0.0
2002	100.0	100.0	0.0
2014	5.2	5.2	0.0
2015	0.0	0.0	0.0
2016	0.0	0.0	0.0
Totals	1030.2	1030.2	0.0

Figure 25 - Total Variance for – RDT&E TY

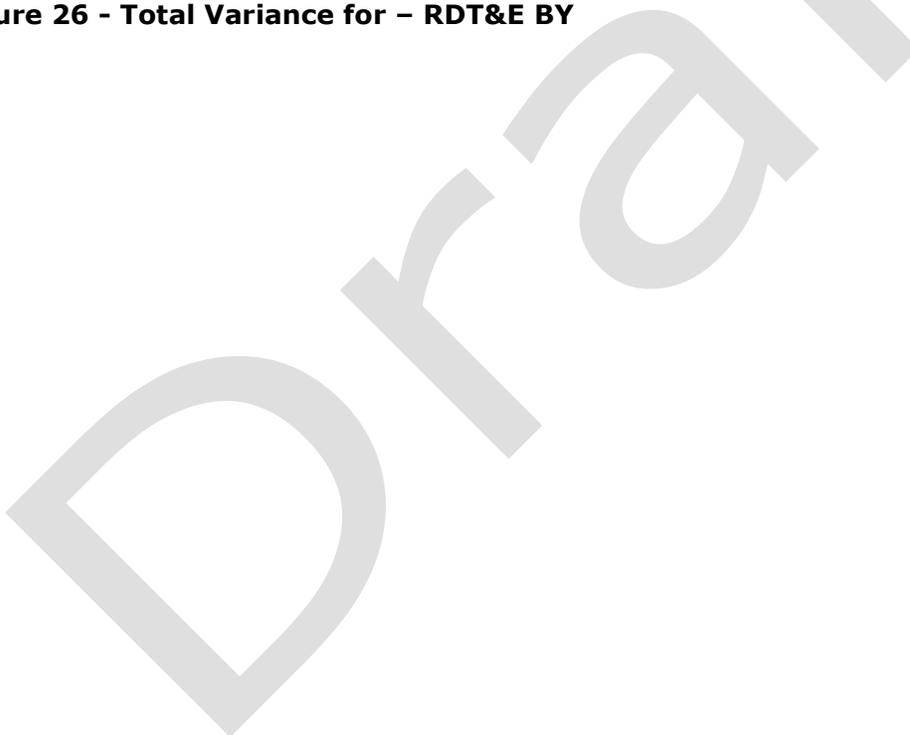
6.10 TOTAL VARIANCE FOR - RDT&E BY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for RDT&E in Base-Year dollars (BY\$) for each fiscal year.

Total Variance for - RDTE BY 2004 \$M

		minus	equals
Fiscal Year	CE Funding BY 2004	PCE Funding BY 2004	Total Variance
2000	15.2	15.2	0.0
2001	248.7	248.7	0.0
2002	101.9	101.9	0.0
2014	4.2	4.2	0.0
2015	0.0	0.0	0.0
2016	0.0	0.0	0.0
Totals	982.3	982.3	0.0

Figure 26 - Total Variance for – RDT&E BY

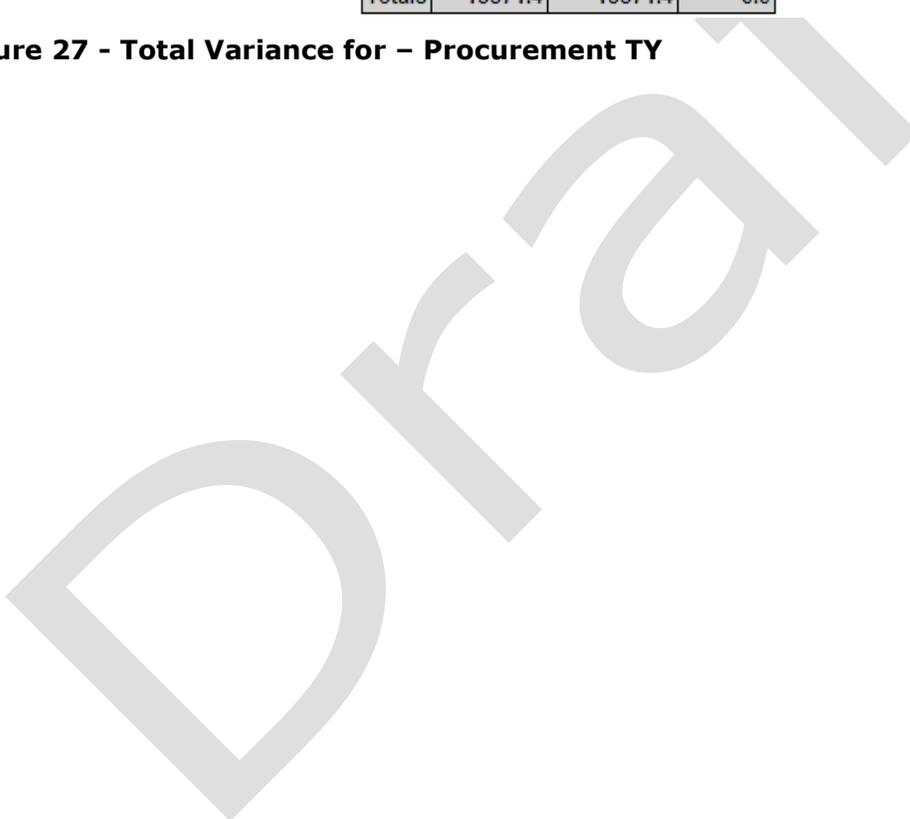


6.11 TOTAL VARIANCE FOR - PROCUREMENT TY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for Procurement in Then-Year dollars (TY\$) for each fiscal year.

Total Variance for - Procurement TY \$M			
		minus	equals
Fiscal Year	CE Funding	PCE Funding	Total Variance
2000	22.0	22.0	0.0
2001	920.1	920.1	0.0
2002	640.4	640.4	0.0
2018	0.0	0.0	0.0
2019	0.0	0.0	0.0
2020	0.0	0.0	0.0
Totals	13571.4	13571.4	0.0

Figure 27 - Total Variance for – Procurement TY



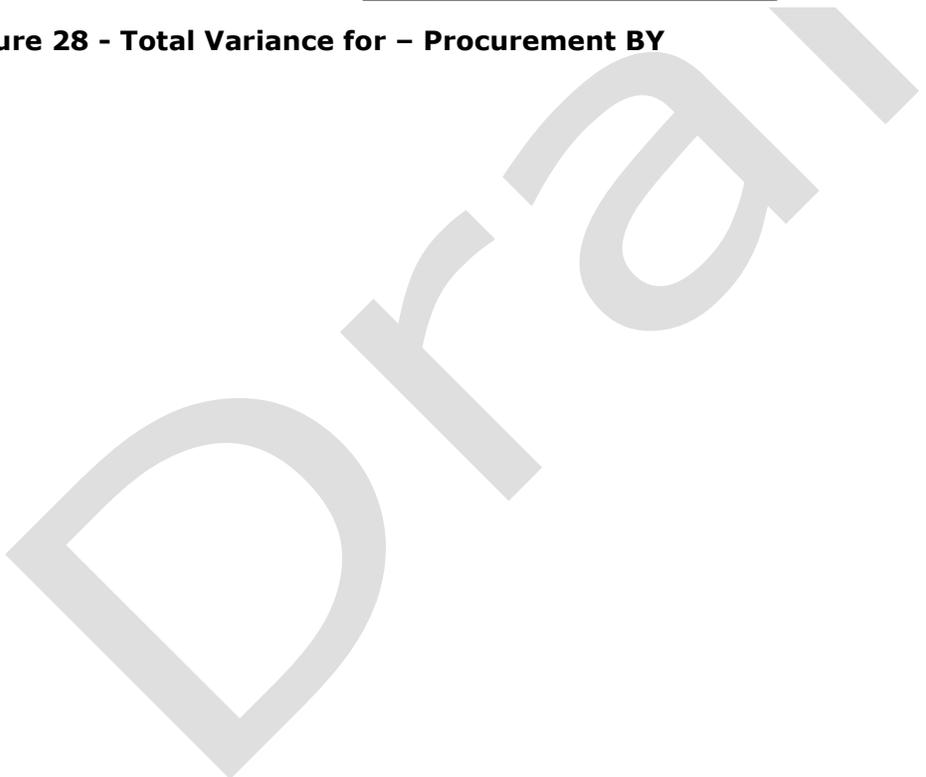
6.12 TOTAL VARIANCE FOR - PROCUREMENT BY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for Procurement in Base-Year dollars (BY\$) for each fiscal year.

Total Variance for - Procurement BY 2004
 \$M

		minus	equals
Fiscal Year	CE Funding BY 2004	PCE Funding BY 2004	Total Variance
2000	22.8	22.8	0.0
2001	943.3	943.3	0.0
2002	647.6	647.6	0.0
2018	0.0	0.0	0.0
2019	0.0	0.0	0.0
2020	0.0	0.0	0.0
Totals	12361.2	12361.2	0.0

Figure 28 - Total Variance for – Procurement BY



6.13 TOTAL VARIANCE FOR - MILCON TY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for MILCON in Then-Year dollars (TY\$) for each fiscal year.

Total Variance for - MILCON TY \$M

		minus	equals
Fiscal Year	CE Funding	PCE Funding	Total Variance
2002	56.2	56.2	0.0
2003	219.9	219.9	0.0
2004	346.7	346.7	0.0
2005	234.0	234.0	0.0
2006	268.6	268.6	0.0
2007	323.7	323.7	0.0
2008	235.7	235.7	0.0
2009	105.0	105.0	0.0
2010	102.0	102.0	0.0
2011	17.5	17.5	0.0
2012	71.5	71.5	0.0
2013	412.0	412.0	0.0
2014	89.0	89.0	0.0
Totals	2481.8	2481.8	0.0

Figure 29 - Total Variance for – MILCON TY

6.14 TOTAL VARIANCE FOR - MILCON BY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for MILCON in Base-Year dollars (BY\$) for each fiscal year.

Total Variance for - MILCON BY 2004 \$M

		minus	equals
Fiscal Year	CE Funding BY 2004	PCE Funding BY 2004	Total Variance
2002	56.0	56.0	0.0
2003	214.0	214.0	0.0
2004	328.4	328.4	0.0
2005	215.2	215.2	0.0
2006	241.8	241.8	0.0
2007	287.3	287.3	0.0
2008	206.6	206.6	0.0
2009	90.7	90.7	0.0
2010	86.8	86.8	0.0
2011	14.7	14.7	0.0
2012	58.9	58.9	0.0
2013	333.9	333.9	0.0
2014	70.9	70.9	0.0
Totals	2205.2	2205.2	0.0

Figure 30 - Total Variance for – MILCON BY

6.15 TOTAL VARIANCE FOR - OPERATIONS & MAINTENANCE TY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for Operations & Maintenance in Then-Year dollars (TY\$) for each fiscal year.

Total Variance for - OM TY \$M

		minus	equals
Fiscal Year	CE Funding	PCE Funding	Total Variance
2010	4.5	0.0	4.5
2011	9.0	0.0	9.0
2012	5.6	0.0	5.6
2013	11.4	0.0	11.4
2014	3.2	0.0	3.2
Totals	33.7	0.0	33.7

Figure 31 - Total Variance for – Operations & Maintenance TY

Draft

6.16 TOTAL VARIANCE FOR - OPERATIONS & MAINTENANCE BY

This report presents the Current Estimate Funding, Previous Current Estimate Funding, and Total Variances for Operations & Maintenance in Base-Year dollars (BY\$) for each fiscal year.

Total Variance for - OM BY 2004 \$M

		minus	equals
Fiscal Year	CE Funding BY 2004	PCE Funding BY 2004	Total Variance
2010	3.9	0.0	3.9
2011	7.7	0.0	7.7
2012	4.7	0.0	4.7
2013	9.5	0.0	9.5
2014	2.6	0.0	2.6
Totals	28.4	0.0	28.4

Figure 32 - Total Variance for – Operations & Maintenance BY

Draft

6.17 ECONOMIC VARIANCE DETAIL FOR - RDT&E TY

This report presents the Economic Variance Detail with details supporting the variance calculation for RDT&E in Then-Year dollars (TY\$) for each fiscal year. There will be one of these reports for each funding source.

Economic Variance Detail for STRYKER (PNO: 299) - DEC 2011 SAR

Economic Variance for RDTE - Appropriation 2040 TY \$M

			New TY\$			minus Old TY\$	equals
		times	equals		times	equals	
Fiscal Year	PCE BY\$	New Indices	PCE New TY\$	PCE BY\$	Old Indices	PCE Old TY\$	Economic Variance
2000	15.2	0.957802	14.6	15.2	0.957802	14.6	0.0
2001	248.7	0.970399	241.3	248.7	0.970399	241.3	0.0
2002	101.9	0.981013	100.0	101.9	0.981013	100.0	0.0
2014	4.2	1.232236	5.2	4.2	1.232236	5.2	0.0
2015	0.0	1.253184	0.0	0.0	1.253184	0.0	0.0
2016	0.0	1.274488	0.0	0.0	1.274488	0.0	0.0
Totals	982.3		1030.2	982.3		1030.2	0.0

Figure 33 - Economic Variance Detail for - RDT&E TY

6.18 ECONOMIC VARIANCE DETAIL FOR - PROCUREMENT TY

This report presents the Economic Variance Detail with details supporting the variance calculation for Procurement in Then-Year dollars (TY\$) for each fiscal year.

Economic Variance for Procurement - Appropriation 2033 TY \$M

			New TY\$			minus Old TY\$	equals
		times	equals		times	equals	
Fiscal Year	PCE BY\$	New Indices	PCE New TY\$	PCE BY\$	Old Indices	PCE Old TY\$	Economic Variance
2000	22.8	0.965707	22.0	22.8	0.965707	22.0	0.0
2001	943.3	0.975433	920.1	943.3	0.975433	920.1	0.0
2002	647.6	0.988908	640.4	647.6	0.988908	640.4	0.0
2018	0.0	1.337873	0.0	0.0	1.337873	0.0	0.0
2019	0.0	1.360617	0.0	0.0	1.360617	0.0	0.0
2020	0.0	1.383747	0.0	0.0	1.383747	0.0	0.0
Totals	12361.2		13571.5	12361.2		13571.4	0.0

Figure 34 - Economic Variance Detail for - Procurement TY

6.19 ECONOMIC VARIANCE DETAIL FOR - MILCON TY

This report presents the Economic Variance Detail with details supporting the variance calculation for MILCON in Then-Year dollars (TY\$) for each fiscal year.

Economic Variance for MILCON - Appropriation 2050 TY \$M

			New TY\$			minus Old TY\$	equals
		times	equals		times	equals	
Fiscal Year	PCE BY\$	New Indices	PCE New TY\$	PCE BY\$	Old Indices	PCE Old TY\$	Economic Variance
2002	56.0	1.003426	56.2	56.0	1.003426	56.2	0.0
2003	214.0	1.027770	219.9	214.0	1.027770	219.9	0.0
2004	328.4	1.055836	346.7	328.4	1.055836	346.7	0.0
2005	215.2	1.087237	234.0	215.2	1.087237	234.0	0.0
2006	241.8	1.110839	268.6	241.8	1.110839	268.6	0.0
2007	287.3	1.126648	323.7	287.3	1.126648	323.7	0.0
2008	206.6	1.140589	235.6	206.6	1.140589	235.7	0.0
2009	90.7	1.157785	105.0	90.7	1.157785	105.0	0.0
2010	86.8	1.175021	102.0	86.8	1.175021	102.0	0.0
2011	14.7	1.193499	17.5	14.7	1.193499	17.5	0.0
2012	58.9	1.213230	71.5	58.9	1.213230	71.5	0.0
2013	333.9	1.233843	412.0	333.9	1.233843	412.0	0.0
2014	70.9	1.254818	89.0	70.9	1.254818	89.0	0.0
Totals	2205.2		2481.7	2205.2		2481.8	0.0

Figure 35 - Economic Variance Detail for - MILCON TY

6.20 ECONOMIC VARIANCE DETAIL FOR - OPERATIONS & MAINTENANCE TY

This report presents the Economic Variance Detail with details supporting the variance calculation for Operations & Maintenance in Then-Year dollars (TY\$) for each fiscal year.

Economic Variance for OM - Appropriation 0100 TY \$M

			New TY\$			minus Old TY\$	equals
		times	equals		times	equals	
Fiscal Year	PCE BY\$	New Indices	PCE New TY\$	PCE BY\$	Old Indices	PCE Old TY\$	Economic Variance
2010	0.0	1.151503	0.0	0.0	0.000000	0.0	0.0
2011	0.0	1.167396	0.0	0.0	0.000000	0.0	0.0
2012	0.0	1.185154	0.0	0.0	0.000000	0.0	0.0
2013	0.0	1.204771	0.0	0.0	0.000000	0.0	0.0
2014	0.0	1.225253	0.0	0.0	0.000000	0.0	0.0
Totals	0.0		0.0	0.0		0.0	0.0

Figure 36 - Economic Variance Detail for – Operations & Maintenance TY



6.21 QUANTITY-SCHEDULE VARIANCE DETAIL

This report presents the Quantity-Schedule Variance Detail report.

6.21.1 Procurement Quantity Variance – Quantity Lot Buys

This report presents the quantity streams for Procurement for each fiscal year.

Quantity-Schedule Variance Detail for STRYKER (PNO: 299) - DEC 2011 SAR

There is no Quantity or Schedule Variance in this SAR.

Procurement Quantity Variance -
Quantity Lot Buys

Quantity Streams - 2033			
		minus	equals
Fiscal Year	CE Quantity	PCE Quantity	Quantity Delta
2000	7	7	0
2001	447	447	0
2002	300	300	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
Totals	4225	4225	0

Figure 37 - Procurement Quantity Variance – Quantity Lot Buys

6.21.2

Figure 38 - Procurement Quantity Variance TY

Draft

6.21.3

Figure 39 - Procurement Quantity Variance BY

Draft

6.22 COST-QUANTITY CURVES

This portion discusses the Cost-Quantity-Curves reports.

6.22.1 Cost-Quantity Curves Best Fit Information

This report displays the crucial information that describes the physical straight curve line and is provided for those that are interested in Best Fit Curve (Cost or Learning Curve) information for their program.

Cost-Quantity Curves Best Fit Information			
PCE Best Fit Data		SAR BL Best Fit Data	
First UC:	0.410	First UC:	0.289
Slope:	90.330%	Slope:	90.855%
B:	-0.147	B:	-0.138
R ² :	0.057	R ² :	0.895

Figure 40 - Cost-Quantity Curves Best Fit Information

6.22.2 Cost-Quantity Curves Graph

This report graphically displays the cost versus quantity values.

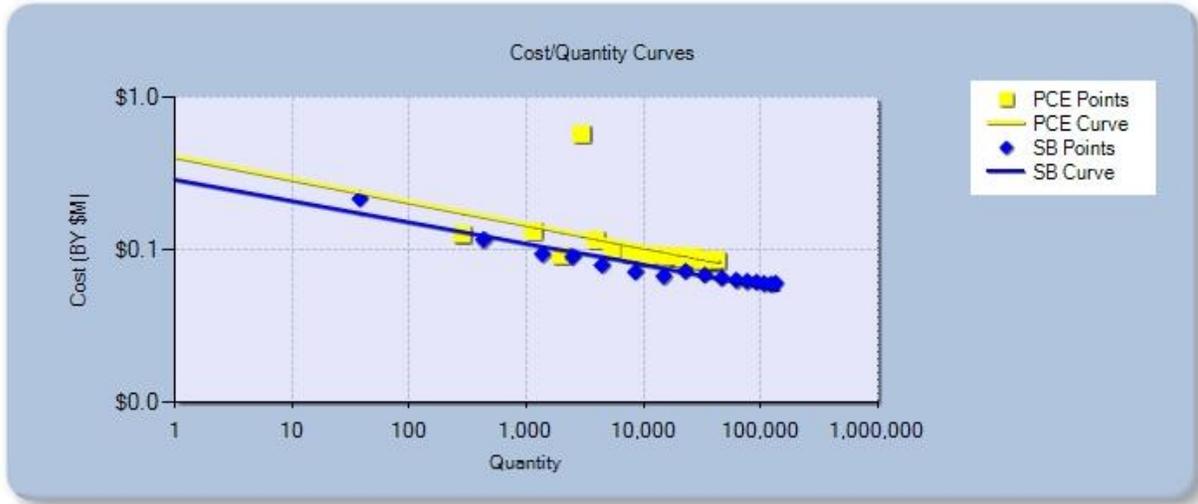


Figure 41 - Cost-Quantity Curves

6.22.3 PCE & SAR Baseline Cost-Quantity Curve Data

This report shows detail data that supports the previous report (Cost-Quantity Curves). It displays the detail data that results from applying the PCE (Previous Current Estimate) Quantity buy profile to the PCE Cost Curve and the SAR Baseline Quantity buy profile to the SAR Baseline Cost Curve, each of which represent the respective Learning Curve. The PCE Quantity Buy and the PCE Recurring Cost data is used to create the PCE Cost Curve, and similarly the SAR Baseline Quantity Buy and SAR Baseline Recurring Cost data is used to create the SAR Baseline Cost Curve.

Applying the CE (Current Estimate) Quantity buy profile to the PCE Cost Curve produces Total Quantity Variance, which includes all cost growth up through the PCE. Applying the CE Quantity buy profile to the SAR Baseline Cost Curve produces True Quantity Variance, which does not include any cost growth, and represents the cost of the CE Quantity, if it could have been produced according to the SAR Baseline Learning Curve. The PCE Best Fit Unit Cost points are plotted on the yellow PCE Cost Curve line and the SAR Baseline Best Fit Unit Cost points are plotted on the blue SAR Baseline Cost Curve line. The PCE and SAR Baseline Average Unit Cost columns are simply the recurring cost divided by the quantity in each year. The PCE and SAR Baseline Best Fit Total Cost represent the total cost of all quantity multiplied by the Best Fit Unit Cost.

PCE Cost-Quantity Curve Data					SAR Baseline Cost-Quantity Curve Data				
PCE Quantity Buy	PCE Recurring Cost	PCE Average Unit Cost	PCE Best Fit Unit Cost	PCE Best Fit Total Cost	BL Quantity Buy	BL Recurring Cost	BL Average Unit Cost	BL Best Fit Unit Cost	BL Best Fit Total Cost
822	106.1	0.129	0.179	147.1	108	23.5	0.218	0.175	18.9
683	91.0	0.133	0.146	99.7	786	92.7	0.118	0.125	98.3
954	88.4	0.093	0.135	128.8	1026	97.7	0.095	0.106	108.8
984	569.9	0.579	0.127	125.0	1218	111.2	0.091	0.098	119.4
925	107.8	0.117	0.122	112.9	2688	216.0	0.080	0.091	244.6
2070	208.2	0.101	0.116	240.1	5814	418.4	0.072	0.083	482.6
2646	255.8	0.097	0.110	291.1	6942	475.5	0.068	0.076	527.6
3228	296.9	0.092	0.105	338.9	9000	655.5	0.073	0.072	648.0
2592	240.7	0.093	0.102	264.4	12000	824.0	0.069	0.068	816.0
2994	271.2	0.091	0.099	296.4	15000	984.8	0.066	0.065	975.0
2796	258.2	0.092	0.096	268.4	15000	957.5	0.064	0.063	945.0
2964	265.2	0.089	0.095	281.6	15000	938.6	0.063	0.061	915.0
2838	259.3	0.091	0.093	263.9	15000	923.4	0.062	0.059	885.0
3204	283.9	0.089	0.091	291.6	15000	911.4	0.061	0.058	870.0
3546	306.4	0.086	0.090	319.1	15000	901.2	0.060	0.057	855.0
3582	308.5	0.086	0.088	315.2	10422	638.7	0.061	0.056	583.6
3660	310.6	0.085	0.087	318.4					
3072	268.0	0.087	0.086	264.2					

Figure 42 - PCE Cost-Quantity Curve Data & SAR Baseline

Figure 43 - Quantity Allocation Reports

6.23

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6.24 SUPPORT VARIANCE DETAIL REPORTS

Four reports comprise the Support Variance Detail Reports:

- Initial Spares for Appropriation - TY
- Initial Spares for Appropriation - BY
- Other Support for Appropriation - TY
- Other Support for Appropriation - BY

6.24.1 Initial Spares for Appropriation 2032 TY \$M

This Then Year report displays the initial spares (Current Estimate and Previous Current Estimate) for each fiscal year by appropriation. There will be one of these reports for each appropriation.

Support Variance Detail for STRYKER (PNO: 299) - DEC 2011 SAR

Initial Spares for Appropriation 2033 TY \$M

		minus	minus	minus	equals
Fiscal Year	CE Initial Spares	PCE Initial Spares	Current & Prior Offset	Support Economic Variance	Net Initial Spares Variance
2000	0.0	0.0	0.0	0.0	0.0
2001	4.3	4.3	0.0	0.0	0.0
2002	4.6	4.6	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0
Totals	242.8	242.8	0.0	0.0	0.0

Figure 44 - Initial Spares for Appropriation 2032 TY \$M

6.24.2 Initial Spares for Appropriation 2032 BY \$M

This Base Year report displays the initial spares (Current Estimate and Previous Current Estimate) for each fiscal year by appropriation. There will be one of these reports for each appropriation.

Initial Spares for Appropriation 2033 BY 2004 \$M

		minus	minus	minus	equals
Fiscal Year	CE Initial Spares	PCE Initial Spares	Current & Prior Offset	Support Economic Variance	Net Initial Spares Variance
2000	0.0	0.0	0.0	N/A	0.0
2001	4.4	4.4	0.0	N/A	0.0
2002	4.7	4.7	0.0	N/A	0.0

2018	0.0	0.0	0.0	N/A	0.0
2019	0.0	0.0	0.0	N/A	0.0
2020	0.0	0.0	0.0	N/A	0.0
Totals	213.7	213.7	0.0	N/A	0.0

Figure 45 - Initial Spares for Appropriation 2032 BY

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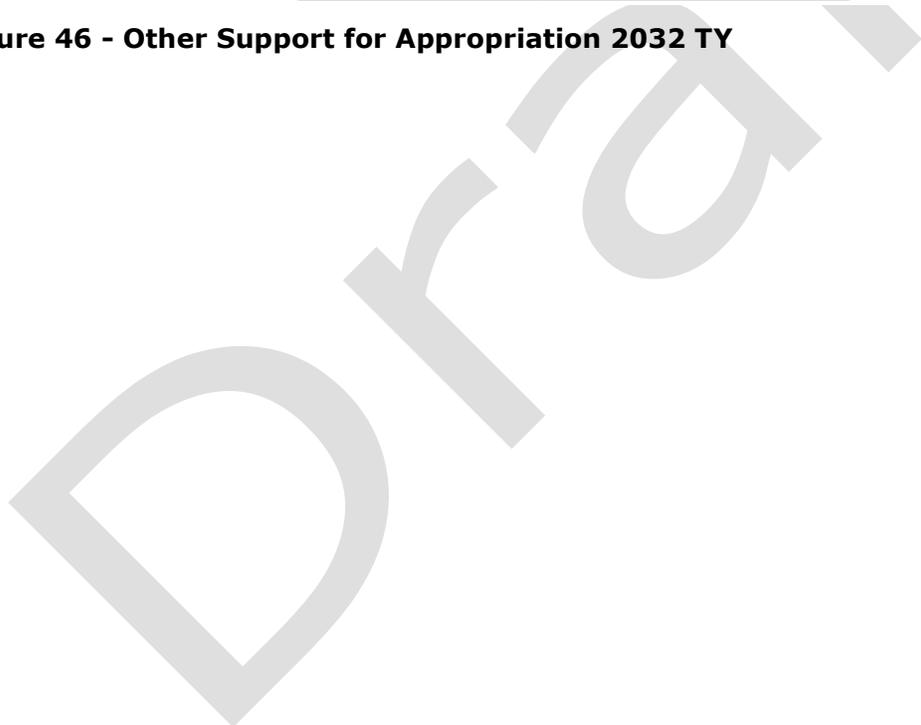
6.24.3 Other Support for Appropriation 2032 TY \$M

This Then Year report displays the other support (Current Estimate and Previous Current Estimate) for each fiscal year by appropriation. There will be one of these reports for each appropriation.

Other Support for Appropriation 2033 TY \$M

		minus	minus	minus	equals
Fiscal Year	CE Other Support	PCE Other Support	Current & Prior Offset	Support Economic Variance	Net Other Support Variance
2000	0.4	0.4	0.0	0.0	0.0
2001	92.5	92.5	0.0	0.0	0.0
2002	58.7	58.7	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0
Totals	1868.8	1868.8	0.0	0.0	0.0

Figure 46 - Other Support for Appropriation 2032 TY



6.24.4 Other Support for Appropriation 2032 BY \$M

This Base Year report displays the other support (Current Estimate and Previous Current Estimate) for each fiscal year by appropriation. There will be one of these reports for each appropriation.

Other Support for Appropriation 2033 BY 2004 \$M

		minus	minus	minus	equals
Fiscal Year	CE Other Support	PCE Other Support	Current & Prior Offset	Support Economic Variance	Net Other Support Variance
2000	0.4	0.4	0.0	N/A	0.0
2001	94.8	94.8	0.0	N/A	0.0
2002	59.4	59.4	0.0	N/A	0.0
2018	0.0	0.0	0.0	N/A	0.0
2019	0.0	0.0	0.0	N/A	0.0
2020	0.0	0.0	0.0	N/A	0.0
Totals	1685.0	1685.0	0.0	N/A	0.0

Figure 47 - Other Support for Appropriation 2032 BY

6.25 ADDITIONAL USER PROVIDED COST VARIANCE DETAIL FOR SAR

This exception report only displays when there are change explanations in which case it also displays the associated category variance for each fiscal year. There will be one of these reports for each category with an explanation.

We will show reports for Procurement and Schedule below.

6.25.1 Procurement Quantity Variances and Explanations

This exception report only displays when there are change explanations in which case it also displays the associated category variance for each fiscal year.

Procurement Additional Quantity Variance Explanations		
Account	Exp Num	Explanation
2032	1	New Additional Quantity Change. [more detail required]

Procurement Additional Quantity Variance		
Fiscal Year	2032 Army	
	Exp #1 BY 2003 \$M	Exp #1 TY \$M
2003	19.2	20.0
2004	28.1	30.0
2005	0.0	0.0
2006	0.0	0.0
2007	0.0	0.0
2008	0.0	0.0
2009	0.0	0.0
2010	0.0	0.0
2011	0.0	0.0
2012	0.0	0.0
2013	0.0	0.0
2014	0.0	0.0
2015	0.0	0.0
2016	0.0	0.0
2017	0.0	0.0
2018	0.0	0.0
2019	0.0	0.0
2020	0.0	0.0
2021	0.0	0.0
2022	0.0	0.0
2023	0.0	0.0
2024	0.0	0.0
Totals	47.3	50.0

Figure 48 - Procurement Quantity Variances and Explanations Report

6.25.2 Schedule Quantity Variances and Explanations

This exception report only displays when there are change explanations in which case it also displays the associated category variance for each fiscal year.

Procurement Additional Schedule Variance Explanations		
Account	Exp Num	Explanation
2032	1	New Additional Schedule Change. [more detail required]

Procurement Additional Schedule Variance		
	2032 Army	
Fiscal Year	Exp #1 BY 2003 \$M	Exp #1 TY \$M
2003	0.0	0.0
2004	0.0	0.0
2005	0.0	0.0
2006	0.0	0.0
2007	0.0	0.0
2008	0.0	0.0
2009	0.0	0.0
2010	0.0	0.0
2011	0.0	0.0
2012	0.0	0.0
2013	0.0	0.0
2014	0.0	0.0
2015	0.0	0.0
2016	0.0	0.0
2017	0.0	0.0
2018	0.0	0.0
2019	0.0	0.0
2020	0.0	0.0
2021	0.0	0.0
2022	0.0	0.0
2023	6.8	10.0
2024	6.6	10.0
Totals	13.4	20.0

Figure 49 - Schedule Quantity Variances and Explanations Report

6.26 DISCUSSION DATA ENTRY

This provides the means for you to enter discussion comments to be associated with Cost Variances.

The screenshot shows a web interface for entering discussion comments. At the top, there is a label 'Discussion' followed by a large, empty text input area with a vertical scroll bar on the right side. Below the input area, there are two blue, underlined links: 'Add My Comments' and 'Edit Comments'.

Figure 50 – Discussion Area

Table 5 – Discussion Field

Field Title	Format	Content/Notes
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

7. CHANGE EXPLANATIONS

The Change Explanations screen is, as its name implies—used to explain changes that have been applied. Note that you cannot add or delete a change, but you can modify a *Change Explanation*.

The first time a user enters the Cost Variance section, the software automatically generates economic variances and *Change Explanations* for all appropriation categories. *Change Explanations* will also be displayed in other categories because of user actions.



Notice the *Change Explanations for Cost Category* drop-down, which may contain the following categories (based on category explanations in your program):

Change Explanations for	Subtotal	Order	Type
RDT&E		1	Quant
RDT&E			
Procurement			
MILCON			
O&M			

Figure 51 - Change Explanations Dropdown

By selecting the various funding sources, DAMIR will display all of its change explanations.

As is the example below, take note that quantity variances are handled in a special way:

- The explanations are automatically generated by DAMIR.
- A Subtotal (Type) summarizes the details (in the example below, the three line items beneath the Subtotal line).
- Only the *Change Explanations* of the Subtotal and Quantity lines are modifiable.
- Clicking on the **Break** hyperlink will cause the sub items to disappear from the display.
- Click on the Subtotal column of the summarized Quantity line item and pressing the **Update** button will result in a re-display of the sub items.

[View this Submission](#)

Change Explanations for STRYKER (PNO: 299) - DEC 2011 SAR

Change Explanation Instructions Show

Change Explanations for Cost Category RDT&E

Subtotal	Order	Type	Change Explanation	BY\$ (M)	TY\$ (M)	Quantity Related
<input type="checkbox"/>	1	Schedule	New Schedule Change [more detail required]	143.3	166.0	<input type="checkbox"/>
<input type="checkbox"/>	2	Engineering	Allocation from Engineering resulting came from	65.8	72.1	<input type="checkbox"/>
Break	3	Subtotal	Quantity variance resulting from an increase of	192.4	212.2	
	3.1	Estimating	Allocation to Estimating resulting from Quantity	(68.3)	(75.2)	<input type="checkbox"/>
	3.2	Other	New Additional Quantity change.	(124.1)	(137.0)	<input type="checkbox"/>
Total				401.5	450.3	

Red asterisk (*) = Brackets exist in explanation text. Please review.

Memo

ABC **B** *I* U | |

[Clear Formatting](#) | [Clear Text](#)

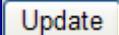
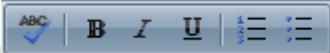
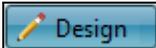
Last Updated: 12/20/2010 08:33:11 EST by DAMIR System

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 52 - Change Explanations Screen

Table 6 - Change Explanation Fields

Field Title	Format	Content/Notes
Change Explanations for Cost Category	Drop-down	Select an entry from the drop-down to review the change explanation for the selected funding source.
Break	Hyperlink	Click on this hyperlink to only display the summarized line item (Quantity as shown in the example below).
Subtotal	Checkbox	By checking two or more checkboxes, those rows flagged will have a subtotal line created.
Order	Numeric	You can change the numbers to resequence the explanations.
Type	Drop-down	Identifies the type of variance being addressed.
Change Explanation	Text	You can change the explanation content (except auto-generated quantity variance line items), if necessary.
BY\$ (M)	Display	Base-Year dollars in millions.
TY\$ (M)	Display	Then-Year dollars in millions.
Quantity Related	Checkbox	Click on the checkbox if the explanation is quantity related.
	Button	Press this button to update the information on the screen.
Memo	Text	<p>Enter desired text to be associated with the Change Explanation as a memo. This information will appear as part of the SAR report and will be viewable by all authorized individuals with SAR access.</p>  <p> - Click on this button to check the spelling of your text.</p> <p> - Click on this button to make highlighted text bold.</p> <p> - Click on this button to make highlighted text italic.</p> <p> - Click on this button to underline highlighted text.</p> <p> - Click on this button to number and list highlighted text.</p> <p> - Click on this button to list the highlighted text as bullet items.</p> <p> - This is the default (normal) view of the text. It may also be used to revert back to the normal view from the next two icon displays.</p> <p> - Display the Memo as HTML code.</p>

Field Title	Format	Content/Notes
		 - Preview the Memo area as it will appear on the report.
 	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

The following is an example of the same screen when the Break hyperlink is clicked:

Subtotal	Order	Type	Change Explanation	BY\$ (M)	TY\$ (M)	Quantity Related
<input type="checkbox"/>	1	Quantity	Quantity variance resulting from an increase of 	33.5	47.1	
<input type="checkbox"/>	2	Schedule	Allocation to Schedule resulting from Quantity change.			<input checked="" type="checkbox"/>
<input type="checkbox"/>	3	Estimating	Allocation to Estimating resulting from Quantity change.			<input checked="" type="checkbox"/>
<input type="checkbox"/>	4	+Quantity 	New Additional Quantity Change. [more detail 	47.3	50.0	<input checked="" type="checkbox"/>
<input type="checkbox"/>	5	Schedule	Acceleration of procurement buy profile. [more 	0.0	-6.2	<input type="checkbox"/>
<input type="checkbox"/>	6	+Quantity 	New Additional Quantity Change. [more detail 	13.4	20.0	<input checked="" type="checkbox"/>
<input type="checkbox"/>	7	Support	Acceleration of procurement buy profile. [more 	0.3	0.0	<input type="checkbox"/>
Total				104.3	124.7	



Red asterisk (*) = Brackets exist in explanation text. Please review.

Three line items rolled into a single explanation

Figure 53 - Example When Break Hyperlink Used

7.1 SAR REVIEW

If you are doing a SAR review, consider the following guidelines:

7.1.1 Change Summary

This section provides a Then-Year and a Base-Year table of categorized cost variance changes for the current acquisition phase of the program.

- The previous changes in the current must reflect the sum of the previous and current changes in the prior SAR, except for phase one rebaselining (when the Base-Year changes) and phase two rebaselining (when the previous changes are literally incorporated into the new SAR baseline). Note that DAMIR generates the previous changes in the current report automatically and also handles the case of Base-Year changes in the phase one rebaselining and the phase two rebaselining when the previous changes are incorporated into the new SAR Baseline.
- The current changes are pulled directly from the costs entered in the current change explanations in the Cost Variance - Current Changes Explanations. They are not directly editable in the DAMIR Change Summary table.
- Make sure that the Current Estimate totals for each appropriation match the totals in Cost and Funding.
- Quantity changes should identify the type of quantity (i.e., vehicles), schedule changes should identify additional detail as possible, other weapon system support changes should identify specific other changes (e.g., data, training, manuals). DAMIR default explanations such as "New Estimating Change" are not appropriate.

7.1.2 Current Change Explanations

This section provides the individual cost change explanations and the associated Base-Year and Then-Year dollars.

- The December SARs should almost always have an economic change ("Revised escalation indices") related to inflation due to the fact that the inflation indices have been revised since the last SAR. Note that Economic change by definition has no Base-Year component. For the same reason, the December SARs should usually have an associated estimating adjustment for revised current and prior inflation rates ("Adjustment for current and prior inflation rates").
- DAMIR computed schedule changes are based on the movement of quantities from year to year and have no base year component. Additional schedule changes added by the Program Office should not override the DAMIR Computational Model computed schedule change.
- Large estimating changes should be broken out where possible. "Estimating change" is not a sufficient explanation.
- Changes due to different categories should be reported separately, and not lumped under one category.
- Make sure that the explanation uses words that make it consistent with the variance category selected.
- References to POM and BES related documents and specific PBDs should not be used as the reason for a cost change.
- Check the Base-Year to Then-Year relationship (e.g., one would not expect an explanation to have a negative Base-Year component and a positive Then-Year component; although sometimes this happens when a Program Office aggregates several positive and negative changes, which is not recommended).

Draft

8. COMPUTATIONAL MODEL

The Command Center is the heart of Computational Model and is the cost variance control center for all appropriation categories (e.g., RDT&E, Procurement, etc.). The goal in the Computational Model is to explain all cost changes since the PCE and have zero *Unexplained* Variances remaining, both at the Total level and on a yearly basis.

Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). Total Variance is the starting point, so Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from Total Variance for each year.

Select the appropriation category that you want to work on from the navigation tree on the far left under Computational Model.

Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the Totals column.

The Computational Model automatically calculates Total and Economic Variances for all appropriation categories. For Procurement, the Computational Model also automatically calculates Quantity, Schedule, and Support Variance.

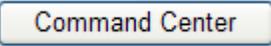
There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively you can navigate entirely through Computational Model by clicking the link on the bottom right to go to the next Cost Variance category indicated.

The Computational Model section provides the means to display the following Command Centers (although any Command Center may be present or absent):

- Research, Development, Testing, & Evaluation (RDT&E) Command Center,
- Procurement Command Center,
- MILCON Command Center, and
- Acquisition Operations & Maintenance (Acq O&M) Command Center.

The reports may display rows for Total Variance, Economic Variance, Quantity Variance, Schedule Variance, Engineering Variance, Other Variance, Support Variance, and Estimating Variance for the Fiscal Years displayed. The Unexplained Variance row should contain nothing but zeroes. If not, corrective action is required to have non-zero rows above the Unexplained row until it displays only zeroes.

The Total Variance → link ([Total Variance -->](#)) at the bottom right of each screen enables the user to easily cycle through the various categories in order (i.e., when it is clicked, it will display the Total Variance field and this link will be replaced by [Economic Variance -->](#) . Once Economic Variance is displayed, this link will change to [Quantity Variance -->](#) , and so forth.

Clicking on the **Command Center** button () will present the last selected command center (for example, if you are currently in Procurement, it will leave the current link and present the Procurement Command Center).

8.1 RDT&E COMMAND CENTER

The RDT&E Command Center displays variances for the combined Fiscal Years of the Current Estimate and the Previous Current Estimate (CE & PCE). The report displays the year-by-year variances by category. Click on the links (**Total Variance** through **Estimating**) to review those variance categories.

- No data entry is required.
- The goal in Computational Model is to explain all cost changes since the PCE and have zero Unexplained Variance remaining, both at the Total level and on a yearly basis.
- Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). Total Variance is the starting point, so Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from Total Variance for each year.
- Select the appropriation category that you want to work on from the navigation tree on the far left under Computational Model.
- Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the Totals column.
- The Computational Model automatically calculates Total and Economic Variances for all appropriation categories. For Procurement, the Computational Model also automatically calculates Quantity, Schedule, and Support Variances.
- There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively, you can navigate entirely through the Computational Model by clicking the link on the bottom, right to go to the next Cost Variance category indicated.

Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by category (e.g., Economic, Quantity, etc.) for RDT&E. A **View Base-Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$. You can drill down into the listed categories by clicking on the links beneath the Fiscal Years column.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All RDT&E Funding Source(s) - DEC 2011 SAR

Command Center Instructions

Show

[View Base Year \\$](#)

Command Center for Funding Source(s) - RDTE in TY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Quantity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	8.0	7.0	9.0	9.0	9.0	5.0	4.0	166.0
Less Engineering	9.5	0.0	0.0	10.5	0.0	7.8	11.0	72.1
Less Other	9.0	8.0	8.0	8.0	8.0	8.0	8.0	137.0
Less Support	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	5.4	0.0	11.2	9.8	17.8	0.0	75.2
Equals Unexplained	-26.5	-20.4	-17.0	-38.7	-26.8	-38.6	-23.0	-450.3

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 54 - RDT&E Command Center Display

Table 7 – RDT&E Command Center Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Total Variance	Link	This row displays the total variance for each Fiscal Year. Click on the Total Variance link to display Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years.
Economic	Link	This row displays the economic variance for each Fiscal Year. Click on the Economic variance link to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Note that Economic Variance = New

Field Title	Format	Content/Notes
		Indices – Old Indices.
<u>Quantity</u>	Link	This row displays the quantity variance for each Fiscal Year. Click on the <u>Quantity</u> variance link to add or delete Quantity changes for each Fiscal Year.
<u>Schedule</u>	Link	This row displays the schedule variance for each Fiscal Year. Click on the <u>Schedule</u> variance link to add or delete schedule changes for each Fiscal Year.
<u>Engineering</u>	Link	This row displays the engineering variance for each Fiscal Year. Click on the <u>Engineering</u> variance link to add or delete engineering changes for each Fiscal Year.
<u>Other</u>	Link	This row displays the other variance for each Fiscal Year. Click on the <u>Other</u> variance link to add or delete other changes for each Fiscal Year.
<u>Support</u>	Link	This row displays the variance for each Fiscal Year. Click on the <u>Support</u> variance link to display Current Estimate, Previous CE (Current Estimate), Current & Prior Offset, Support Economic, and Net Variance for the Fiscal Years. Note that Net Variance = Current Estimates – other three variances.
<u>Estimating</u>	Link	This row displays the variance for each Fiscal Year. Click on the <u>Estimating</u> variance link to display Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.
Unexplained	Display	This row displays the net variance for each Fiscal Year. The <u>Unexplained</u> Variance row should contain nothing but zeroes. If not, corrective action is required to non-zero rows above the Unexplained row until it displays only zeroes. There is no link.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on <u>Add My Comments</u> link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Click on the **View Base-Year \$** link ([View Base Year \\$](#)) and the following will be shown. Notice that the link changes to [View Then Year \\$](#) , which is the default view as shown above. The only field that permits data entry is the *Discussion* field. Notice the slide bar

() , which you can drag to display more years. You can drag it left or right to see desired years.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by category (e.g., Economic, Quantity, etc.) for RDT&E. A **View Base-Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All RDT&E Funding Source(s) - DEC 2011 SAR

Command Center Instructions Show

[View Then Year \\$](#)

Command Center for Funding Source(s) - RDTE in BY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	---	---	---	---	---	---	---	0.0
Less Quantity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	8.4	7.2	9.2	9.0	8.8	4.7	3.7	143.3
Less Engineering	9.9	0.0	0.0	10.5	0.0	7.4	10.2	65.8
Less Other	9.4	8.2	8.2	8.0	7.8	7.6	7.4	124.1
Less Support	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	5.6	0.0	11.2	9.6	16.9	0.0	68.3
Equals Unexplained	-27.7	-21.0	-17.4	-38.7	-26.2	-36.6	-21.3	-401.5

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 55 - RDT&E Command Center Display for Base-Years

Table 8 – RDT&E Base-Year Fields

Field Title	Format	Content/Notes
<u>View Then Year \$</u>	Link	Click on this link and the Then-Years are displayed. The screen image is the default.
Discussion	Text	<u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on <u>Add My Comments</u>

Field Title	Format	Content/Notes
		link to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

Draft

8.1.1 RDT&E Total Variance

The [Total Variance](#) link in the Command Center will display the same information as the [Total Variance -->](#) link at the bottom right of the screen. It displays the delta between the CE and PCE by fiscal year. The sum of the deltas is Total Variance.

- No data entry is required.
- Total Variance is the delta between the CE and the PCE in both TY\$ and BY\$ (CE minus PCE) by fiscal year. The fiscal years are then summed to total TY\$ and total BY\$. Total Variance is calculated automatically by the Computational Model and cannot be changed or edited. It is for review only.
- The aggregate of multiple appropriations is displayed below, along with the Total Variance for each appropriation.
- Click the [Economic Variance ->](#) link on the bottom, right to continue to Economic Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom, left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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RDT&E Total Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Total Variance Instructions Show

[View Base Year \\$](#)

Total Variance for Funding Source(s) - RDTE								
	2000	2001	2002	2003	2004	2005	2006	Totals
Current Estimate	14.6	241.3	100.0	148.1	59.0	57.6	35.4	1030.2
Previous C.E.	14.6	241.3	100.0	148.1	59.0	57.6	35.4	1030.2
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Economic Variance -->](#)

[Command Center](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 56 - RDT&E Total Variance

Table 9 - RDT&E Total Variance Fields

Field Title	Format	Content/Notes
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Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries. Once displayed, the link will change to View Then Year \$.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>



8.1.2 RDT&E Economic Variance

This displays the economic variance for each Fiscal Year. Click on the **Economic** variance link from the RDT&E Command Center to display *PCE BY\$ (New Indices)* (Previous Current Estimate Then-Year Dollars), *PCE BY\$ (Old Indices)*, and *Economic Variance* for the Fiscal Years. Economic Variance is a change in the Current Estimate (CE) resulting from using a different set of inflation indices than were used in the Previous Current Estimate.

- No data entry is required.
- Economic Variance is calculated using PCE BY\$. The calculation formula is: $(PCE\ BY\$ * New\ Indices) - (PCE\ BY\$ * Old\ Indices)$. The calculation is done for each fiscal year. This produces a TY\$ answer and the fiscal years are summed to a total TY\$.
- There is no BY\$ component to Economic Variance.
- Economic Variance is calculated automatically by the Computational Model and cannot be changed or edited.
- If there are multiple appropriations, there will be an aggregate answer that combines the Economic Variance for all appropriations. This aggregate answer is used for the single Economic Variance explanation that the Computation Model automatically creates. In addition, each appropriation will have its own Economic Variance in the page below, for review.
- For RDT&E, MILCON, or O&M, click the **Quantity Variance** → link (below right) to continue to Quantity Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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RDT&E Economic Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Economic Variance Instructions Show

Economic Variance for Funding Source(s) - RDTE 2040 in TY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
PCE BY\$ * New Indices	14.6	241.3	100.0	148.1	59.0	57.6	35.4	1030.2
- PCE BY\$ * Old Indices	14.6	241.3	100.0	148.1	59.0	57.6	35.4	1030.2
= Economic Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Quantity Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 57 - RDT&E Economic Variance Screen

Table 10 - RDT&E Economic Variance Fields

Field Title	Format	Content/Notes
Discussion	Text	<p>This field only applies to Base-Year display.</p> <p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.1.3 RDT&E Quantity Variance

This displays the quantity variance for each Fiscal Year. Click on the **Quantity** variance link from the RDT&E Command Center to add or delete Quantity changes for each Fiscal Year. Quantity Variance is the change to your Program Cost Estimate that results from an increase or decrease in the total number of fully configured development quantity. The dollar amounts must be entered by fiscal year to produce the Total Quantity Variance.

- Data entry is required.
- RDT&E Quantity Variance occurs when there is a change in total Fully Configured Development Quantity.
- RDT&E Quantity Variance cannot be automatically calculated.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with the change in RDT&E quantity.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Schedule Variance →** link on the bottom right to continue to Schedule Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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RDT&E Quantity Variance for STRYKER (PNO: 299) - DEC 2011 SAR

RDT&E Quantity Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	New Quantity	9.0	9.0	9.0	8.0	2.0	2.0	0.0	55.0

Last Updated: 10/13/2011 04:03:51 EST by Ms. Heather A. Loretoni

[Schedule Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 58 - RDT&E Quantity Variance Screen

Table 11 - RDT&E Quantity Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	Select either "New Quantity" or "Change" from the drop-down to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.1.4 RDT&E Schedule Variance

This displays the schedule variance for each Fiscal Year. Click on the **Schedule** variance link from the RDT&E Command Center to add or delete schedule changes for each Fiscal Year. Schedule Variance is a change due primarily to a shift in a Development (RDT&E), MILCON, or O&M effort not identifiable to buy year quantity changes. The dollar amounts must be entered by fiscal year to produce the Total Schedule Variance.



- Data entry is required.
- Schedule Variance is defined as a shift in the effort of RDT&E, MILCON, or O&M. The shift in effort could be a stretch-out or acceleration.
- Schedule Variance cannot be automatically calculated and must be entered in TY\$ by fiscal year by appropriation.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with Schedule Variance.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Engineering Variance** → link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

RDT&E Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Schedule Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	New Schedule	8.0	7.0	9.0	9.0	9.0	5.0	4.0	166.0

Last Updated: 10/13/2011 04:03:51 EST by Ms. Heather A. Loretoni

[Engineering Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 59 - RDT&E Schedule Variance Screen

Table 12 - RDT&E Schedule Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	Select either "New Schedule" or "Change" from the drop-down to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.1.5 RDT&E Engineering Variance

This displays the engineering variance for each Fiscal Year. Click on the **Engineering** variance link from the RDT&E Command Center to add or delete engineering changes for each Fiscal Year. The Engineering Variance is the cost change due to an alteration in the physical or functional characteristics of an end item or subsystem. The dollar amounts must be entered by fiscal year to produce the Total Engineering Variance for each explanation.



- Data entry is required.
- Engineering Variance is caused by changes in the design or functions of the system, and cannot be automatically calculated by the Computational Model.
- Costs are usually known in the Program Office by those that track Engineering Change Proposals (ECPs).
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Engineering Change* explanation.
- Do not use the “New Engineering Change” text in the explanation. Use words that speak to kinds of Engineering changes, like “Redesigned brake system due to ...”
- Provide any Engineering Variance in TY\$ by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.

- Click the **Other Variance** → link on the bottom right to continue to Other Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

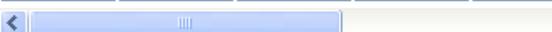
RDT&E Engineering Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Engineering Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	Allocation from	9.5	0.0	0.0	10.5	0.0	7.8	11.0	72.1



Add Change Delete Change(s)

Save Cancel

Last Updated: 10/13/2011 04:03:51 EST by Ms. Heather A. Loretoni

[Other Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 60 - RDT&E Engineering Variance Screen

Table 13 - RDT&E Engineering Variance Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains <i>Current Estimate</i> , <i>Previous C.E.</i> (Current Estimate), and <i>Total Variance</i> for the Fiscal Years. You may also add or edit <i>Discussion</i> entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	Select either New Quantity or Change from the drop-down to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.

Field Title	Format	Content/Notes
	Button	Click on the Delete Change(s) button to delete the marked changes in the <i>Del</i> checkbox.
	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	This field only applies to Base-Year display. Add My Comments – Click on this link to add a <i>Discussion</i> item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

8.1.6 RDT&E Other Variance

This displays the other variance for each Fiscal Year. Click on the **Other** variance link from the RDT&E Command Center to add or delete other changes for each Fiscal Year. Other Variance is a change due to natural disasters, work stoppage (e.g., strikes), or similar unforeseeable events not covered in other variance categories. Use of Other Variance must be approved by OSD prior to entering any explanations and dollar amounts. The dollar amounts must be entered by fiscal year to produce the *Total Other Variance* for each explanation.

- Data entry is required.
- Other Variance cannot be automatically calculated. It must be entered in TY\$ by fiscal year by appropriation.
- Use of Other Variance is rare. For example, it is used in cases of Natural Disasters or Labor Strikes. Its use must be approved by OSD.
- Costs are known in the Program Office by those that track the cost of *Other* changes, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Other Change* explanation.
- Do not use the *New Other Change* text in the explanation. Use words that speak to Other kinds of changes.
- Provide any Other Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Support Variance →** link on the bottom right to continue to Support Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

RDT&E Other Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Other Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	New Additional	9.0	8.0	8.0	8.0	8.0	8.0	8.0	137.0

Last Updated: 10/13/2011 04:03:51 EST by Ms. Heather A. Loretoni

[Support Variance -->](#)

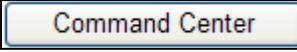
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 61 - RDT&E Other Variance Screen

Table 14 - RDT&E Other Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	This field is disabled in this example. Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	This field is disabled in this example. Select either New Quantity or Change from the drop-down to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this

Field Title	Format	Content/Notes
		record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.

Draft

8.1.7 RDT&E Support Variance

This displays the variance for each Fiscal Year. Click on the **Support** variance link from the RDT&E Command Center to display the Current Estimate, Previous CE (Current Estimate), Current & Prior Offset, Support Economic, and Net Variance for the Fiscal Years. Note that Net Variance = Current Estimate – the other three variances. Normally, there is no support variance reported for Development (RDT&E) unless the program has been broken out into Flyaway and Support in Cost and Funding. However, sometimes funding designated for support types of activities has been increased (or decreased) and helps to explain the current change in Development. Support variance is any change in cost (regardless of reason) that cannot be associated with flyaway costs.



- No data entry is required, but additional changes can be added if needed.
- To add one or more additional Support Variance explanations, click the **Add/Edit RDT&E Support Changes** link below. Once you have added a Support Change, the link will no longer be visible, but the additional change(s) will be visible.
- RDT&E Support Variance is defined as the change in Support since the PCE. Normally, RDT&E can only have Support Variance if Flyaway and Support have been broken out in Cost and Funding for both the PCE and the CE. However, this breakout rarely occurs in RDT&E.
- If Flyaway and Support are broken out, Support Variance is automatically calculated for each appropriation. These answers cannot be changed or edited.
- If total RDT&E Support Variance equals zero, either there has been no change in Support, or Flyaway and Support has not been broken out in Cost and Funding.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Estimating Variance** → link on the bottom right to continue to Estimating Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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RDTE Support Variance for STRYKER (PNO: 299) - DEC 2011 SAR

RDT&E Support Variance Instructions

Show

[Add/Edit RDT&E Support Changes](#)

[View Base Year \\$](#)

Support Variance - RDTE 2040 in TY\$ (M)

	2000	2001	2002	2003	2004	2005	2006	Totals
Current Estimate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Previous CE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Current & Prior Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Support Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Net Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Estimating Variance -->](#)

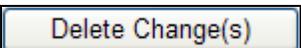
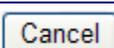
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 62 - RDT&E Support Variance Screen

Table 15 - RDT&E Support Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	Select either New Quantity or Change from the drop-down to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
	Button	Click on the Add Change button to add the change.
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
 	Buttons	Save – Save all changes to the screen.

Field Title	Format	Content/Notes
		<p>Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.</p>
	Button	<p>Press the Command Center button to return to the appropriate Command Center</p>
Discussion	Text	<p>This field only applies to Base-Year display.</p> <p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>



8.1.8 RDT&E Estimating Variance

This displays the variance for each Fiscal Year. Click on the **Estimating** variance link from the RDT&E Command Center to display the Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are the Total Variance, Non Est. Change, Total Estimating, and Unexplained. Estimating Variance is a change in a program cost due to:



- Refinement of a Prior Current Estimate.
- Change in program or cost estimating assumptions and techniques not covered by previous variance categories.
- Current and Prior inflation adjustment flyaway portion only.
- Related to Economic Change due to changes in inflation rates.
- Only occurs in December SAR.

The dollar amounts must be entered by fiscal year to produce the Total Estimating Variance for each explanation.

- Data entry is required.
- Estimating Variance reflects a change in estimating assumptions and cannot be automatically calculated by Computational Model.
- Costs are known in the Program Office by those that track changes to Estimating, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Estimating Change* explanation.
- Do not use the *New Estimating Change* text in the explanation. Use words that speak to Estimating kinds of changes, like "Revised estimate due to..."
- Provide any Estimating Variance in TY\$ by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Command Center →** link on the bottom right to return to the Command Center to review the results of your work in Computational Model.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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RDTE Estimating Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Estimating Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	Allocation to	0.0	5.4	0.0	11.2	9.8	17.8	0.0	75.2
	Subtotal	0.0	5.4	0.0	11.2	9.8	17.8	0.0	75.2
+	Adj. C&P Inflation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Total Estimating	0.0	5.4	0.0	11.2	9.8	17.8	0.0	75.2
	Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-	Non Est. Changes	35.5	24.0	26.0	35.5	19.0	22.8	23.0	430.1
-	Total Estimating	0.0	5.4	0.0	11.2	9.8	17.8	0.0	75.2
=	Unexplained	-35.5	-29.4	-26.0	-46.7	-28.8	-40.6	-23.0	-505.3

Last Updated: 10/13/2011 04:03:51 EST by Ms. Heather A. Loretoni

[Command Center -->](#)

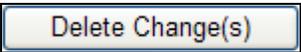
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 63 - RDT&E Estimating Variance Screen

Table 16 - RDT&E Estimating Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Drop-down	Describe the contents of the row, and keep in mind the President's budget.

Field Title	Format	Content/Notes
Years	Numeric	Enter the Quantity number for the appropriate years.
	Button	Click on the Add Change button to add the change.
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	This field only applies to Base-Year display. Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

8.2 PROCUREMENT COMMAND CENTER

The Procurement Command Center displays variances for the Fiscal Years shown. Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.



The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by category (e.g., Economic, Quantity, etc.) for Procurement. Click on the links (**Total Variance** through **Estimating**) to review those variance categories. A **View Base Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$. You can drill down into the listed categories by clipping on the links.

- No data entry is required.
- The goal in the Computational Model is to explain all cost changes since the PCE and have zero Unexplained Variance remaining, both at the Total level and on a yearly basis.
- Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). The Total Variance is the starting point, so the Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from the Total Variance for each year.
- Select the appropriation category that you want to work on from the navigation tree on the far left under Computational Model.
- Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the Totals column.
- The Computational Model automatically calculates Total and Economic Variance for all appropriation categories. For Procurement, the Computational Model also automatically calculates the Quantity, Schedule, and Support Variance.
- There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively, you can navigate entirely through the Computational Model by clicking the link on the bottom right to go to the next Cost Variance category indicated.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All Procurement Funding Source(s) - DEC 2011 SAR

Command Center Instructions Show

[View Base Year \\$](#)

Command Center for Funding Source(s) - Procurement in TY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Quantity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Engineering	9.0	5.5	5.6	5.7	8.1	0.0	0.0	254.7
Less Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Support	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equals Unexplained	-9.0	-5.5	-5.6	-5.7	-8.1	0.0	0.0	-254.7

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 64 - Procurement Command Center Display

Table 17 - Procurement Command Center Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries. Once displayed, the link will change to View Then-Years \$.
<u>Total Variance</u>	Link	This row displays the total variance for each Fiscal Year. Click on the Total Variance link to display the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years.
<u>Economic</u>	Link	This row displays the economic variance for each Fiscal Year. Click on the Economic variance link to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Year Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Note that Economic Variance = New

Field Title	Format	Content/Notes
		Indices – Old Indices.
<u>Quantity</u>	Link	This row displays the quantity and schedule variance for each Fiscal Year. Click on the Quantity variance link to add or delete Quantity changes for each Fiscal Year.
<u>Schedule</u>	Link	This row displays the same quantity and schedule as the Quantity link for each Fiscal Year.
<u>Engineering</u>	Link	This row displays the engineering variance for each Fiscal Year. Click on the Engineering variance link to add or delete engineering changes for each Fiscal Year.
<u>Other</u>	Link	This row displays the other variance for each Fiscal Year. Click on the Other variance link to add or delete other changes for each Fiscal Year.
<u>Support</u>	Link	This row displays the variance for each Fiscal Year. Click on the Support variance link to display Current Estimate, Previous CE (Current Estimate), Current & Prior Offset, Support Economic, and Net Variance for the Fiscal Years. Note that Net Variance = Current Estimates – other three variances.
<u>Estimating</u>	Link	This row displays the variance for each Fiscal Year. Click on the Estimating variance link to display Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.
Unexplained	Display	This row displays the net variance for each Fiscal Year. The Unexplained Variance row should contain nothing but zeroes. If not, corrective action is required to non-zero rows above the Unexplained row until it displays only zeroes. There is no link.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on <u>Add My Comments</u> link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Click on the View Base Year \$ link ([View Base Year \\$](#)) and the following will be shown. Notice that the link changes to [View Then Year \\$](#), which is the default view as shown above. The only field that permits data entry is the *Discussion* field. Notice the slide bar

(), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All Procurement Funding Source(s) - DEC 2011 SAR

Command Center Instructions

Show

[View Then Year \\$](#)

Command Center for Funding Source(s) - Procurement in BY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	---	---	---	---	---	---	---	0.0
Less Quantity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Engineering	9.3	5.6	5.7	5.6	7.8	0.0	0.0	208.7
Less Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Support	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equals Unexplained	-9.3	-5.6	-5.7	-5.6	-7.8	0.0	0.0	-208.7

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 65 - Procurement Command Center Display for Base-Years

Table 18 - Procurement Base-Year Fields

Field Title	Format	Content/Notes
View Then Year \$	Link	Click on this link and the Then-Years are displayed. The screen image is the default.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last</p>

Field Title	Format	Content/Notes
		discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

Draft

8.2.1 Procurement Total Variance

The [Total Variance](#) link from the Procurement Command Center will display the same information as the [Total Variance -->](#) link at the bottom right of the screen. In this example, there is a portion for the full totals (Total Variance for Funding Source(s) –Procurement), which is comprised of the specific funding sources listed below.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by Current Estimate, Previous Current Estimate, and Total Variance for Procurement. A **[View Base Year \\$](#)** link is available in the upper, right-hand corner to show the same display for Base-Year \$.

- No data entry is required.
- Total Variance is the delta between the CE and the PCE in both TY\$ and BY\$ (CE minus PCE) by fiscal year. The fiscal years are then summed to total TY\$ and total BY\$. Total Variance is calculated automatically by the Computational Model and cannot be changed or edited. It is for review only.
- The aggregate of multiple appropriations is displayed below along with the Total Variance for each appropriation.
- Click the **[Economic Variance →](#)** link on the bottom right to continue to Economic Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Total Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Total Variance Instructions Show

[View Base Year \\$](#)

Total Variance for Funding Source(s) - Procurement								
	2000	2001	2002	2003	2004	2005	2006	Totals
Current Estimate	22.0	920.1	640.4	722.4	962.7	1444.4	1318.6	13571.4
Previous C.E.	22.0	920.1	640.4	722.4	962.7	1444.4	1318.6	13571.4
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



[Economic Variance -->](#)

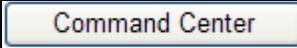
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 66 - Procurement Total Variance Screen

Table 19 - Procurement Total Variance Fields

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.2.2 Procurement Economic Variance

This displays the economic variance for each Fiscal Year. Click on the **Economic** variance link from the Procurement Command Center to display *PCE BY\$ (New Indices)* (Previous Current Estimate Base-Year Dollars), *PCE BY\$ (Old Indices)*, and *Economic Variance* for the Fiscal Years. Economic Variance is a change in the Current Estimate (CE) resulting from using a different set of inflation indices than were used in the Previous Current Estimate.

- No data entry is required. Please review the Economic Variance answers below.
- Economic Variance is calculated using PCE BY\$. The calculation formula is: $(PCE\ BY\$ * New\ Indices) - (PCE\ BY\$ * Old\ Indices)$. The calculation is done for each fiscal year. This produces a TY\$ answer only and the fiscal years are summed to a total TY\$.
- There is no BY\$ component to Economic Variance.
- Economic Variance is calculated automatically by the Computational Model and cannot be changed or edited.
- If there are multiple appropriations, there will be an aggregate answer that combines the Economic Variance for all appropriations. This aggregate answer is used for the single Economic Variance explanation that the Computation Model automatically creates. In addition, each appropriation will have its own Economic Variance in the page below for review.
- For RDT&E, MILCON, or O&M, click the **Quantity Variance →** link (below right) to continue to Quantity Variance. If you are viewing Economic Variance for Procurement, click the **Quantity & Schedule Variance →** link on the bottom right to continue to Quantity & Schedule Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Note that Economic Variance = New Indices – Old Indices. Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Economic Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Economic Variance Instructions Show

Economic Variance for Funding Source(s) - Procurement 2033 in TY\$ (M)

Fiscal Years	2000	2001	2002	2003	2004	2005	2006	Totals
PCE BY\$ * New Indices	22.0	920.1	640.4	722.4	962.7	1444.4	1318.6	13571.4
- PCE BY\$ * Old Indices	22.0	920.1	640.4	722.4	962.7	1444.4	1318.6	13571.4
= Economic Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Quantity & Schedule Variance -->](#)

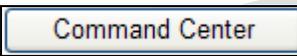
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 67 - Procurement Economic Variance Screen

Table 20 - Procurement Economic Variance Fields

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.3 Procurement Quantity Variance

This displays the quantity and Schedule variance for each Fiscal Year. Click on the **Quantity** variance link from the Procurement Command Center to view Quantity and Schedule changes for each Fiscal Year. Quantity Variance is the change to your Program Cost Estimate that results from an increase or decrease in the total number of fully configured quantity.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

Notice the following links at the top of the screen, which combines Cost & Schedule Variance data:



Figure 68 - Cost & Schedule Variance Links

The **Quantity & Schedule Variance** → link ([Quantity & Schedule Variance -->](#)) displays the following (defaults to the **Main** link). The Quantity Lot Buys tab tables display the quantity streams from the CE and the PCE to indicate any quantity or schedule changes. The Quantity Lot Buys tab will also indicate in blue font whether or not there has been a Quantity and/or Schedule change since the PCE.

- No data entry is required. Please notice the navigation near the top of this screen.
- The links found above allow navigation through various Quantity & Schedule Variance calculation and data entry options. Click a link to navigate to that page.
- Only three areas of Quantity & Schedule Variance allow data entry. All others are automatic calculations and cannot be changed or edited.
 - [Manual Quantity/Schedule Overrides](#) – Use this when the Computational Model answer is not accurate or because the [Cost-Quantity Curves](#) contain a mix of variant costs that cannot represent a true Learning Curve. When overriding, it is assumed that both Quantity and Schedule will be overridden.
 - [Additional Quantity Variance](#) – Use this to enter [Quantity Variance](#) that is in addition to what the Computational Model has calculated.
 - [Additional Schedule Variance](#) – Use this to enter [Schedule Variance](#) that is in addition to what the Computational Model has calculated.
- The Computational Model automatically calculates whether or not there is a Quantity and/or Schedule Variance, and presents a statement just above the table below, that indicates which of the variances have occurred.
- The table below displays the Quantity streams for the CE and the PCE along with the totals. This information is for review only and cannot be changed.
- If the Total Quantity changes, then you have a Quantity Variance. If the quantity went up, Quantity Variance is positive. If it went down, Quantity Variance is negative.
- If the buy profile changed between the CE and PCE, and it occurs in any year common to both the CE and PCE but it does not occur only in the last year, there is a Schedule Variance.
- Click the **Engineering Variance** → link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to

choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

[View this Submission](#)

Procurement Quantity & Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Quantity & Schedule Variance Main Instructions Show

[Quantity Lot Buys](#)

[Cost-Quantity Data](#)

[Cost-Quantity Curves](#)

[Quantity Variance](#)

[Quantity Allocations](#)

[Manual Qty/Sched Overrides](#)

[Additional Quantity Variance](#)

[Schedule Variance](#)

[Additional Schedule Variance](#)

There is no Quantity or Schedule Variance in this SAR.

Quantity streams for all Procurement Accounts

	2000	2001	2002	2003	2004	2005	2006	Totals
CE Quantity	7	447	300	279	413	596	494	4225
PCE Quantity	7	447	300	279	413	596	494	4225

[Engineering Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 69 - Procurement Quantity & Schedule Variance Main Screen

Table 21 - Procurement Quantity & Schedule Variance Fields

Field Title	Format	Content/Notes
Command Center	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.2.3.1 Procurement Cost-Quantity Data Link

This displays the Cost-Quantity Data report when you click on the **Cost-Quantity Data** link at the top of the screen.

- No data entry is required. Please review the information below for accuracy.
- The information presented here shows the data from the SAR Baseline and the PCE that is used to create the two Cost-Quantity Curves, the SAR Baseline Cost-Quantity Curve, and the PCE Cost-Quantity Curve. These are also called Learning Curves.
- The data comes from the Quantity buy profile and End Item Related Flyaway (BY\$) aligned with Quantity for the SAR Baseline and the PCE.
- If Procurement is made up of multiple appropriations in either or both the SAR Baseline and PCE, the curves represent the aggregate of all appropriations. The first table displays the aggregate data. Each appropriation's Cost-Quantity Curve is also displayed below for informational purposes, but these are NOT used to do the Quantity Variance calculations.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Cost Quantity Data for STRYKER (PNO: 299) - DEC 2011 SAR

Cost Quantity Data Instructions

Show

Quantity Lot Buys	Cost-Quantity Data	Cost-Quantity Curves	Quantity Variance	Quantity Allocations	Manual Qty/Sched Overrides	Additional Quantity Variance	Schedule Variance	Additional Schedule Variance
-----------------------------------	------------------------------------	--------------------------------------	-----------------------------------	--------------------------------------	--	--	-----------------------------------	--

[View Then Year \\$](#)

Cost/Quantity Curve Data for Account 2033

	2000	2001	2002	2003	2004	200	Totals
CE Quantity	7	447	300	279	413	59	4225
PCE Quantity	7	447	300	279	413	59	4225
PCE Recurring Flyaway	18.5	742.2	462.3	477.1	746.0	1050.	8702.2
SAR Baseline Quantity	7	447	300	282	310	31	2086
SAR Baseline Recurring Flyaway	18.4	736.1	465.0	542.0	743.8	592.	4656.1

[Engineering Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 70 - Cost-Quantity Data Screen

Table 22 - Cost-Quantity Data Fields

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.

8.2.3.2 Procurement Cost-Quantity Curves Link

This displays the Cost-Quantity Curves Best Fit Information, Cost-Quantity Curves graphic, and PCE/SAR Cost-Quantity Curve Data reports when you click on the **Cost-Quantity Curves** link at the top of the screen. The Best Fit Information is used directly in calculating Quantity and Schedule Variance.

- No data entry is required. Please review the Cost Curve information below.
- In the Chart below the two Cost-Quantity Curves have been plotted. These are also called Learning Curves.
- If Procurement is made up of multiple appropriations in either or both the SAR Baseline and PCE, the curves represent the aggregate of all appropriations. Quantity Variance is automatically calculated separately for each appropriation, but the aggregate curve is used to do the calculation.
- The SAR Baseline Learning Curve produces True Quantity Variance. By definition, True Quantity Variance does not include other changes in cost (e.g., Schedule, Engineering, Estimating, etc.).
- The PCE Learning Curve produces Total Quantity Variance, and it contains all flyaway cost changes since the SAR Baseline including Schedule, Engineering, Estimating, and Other changes.
- The area between the two curves visually represents the delta between True and Total Quantity Variance. This delta must be allocated to those flyaway Cost Variance categories that caused cost change in the past. Please refer to Quantity Allocations for more information on allocations. Click the **Quantity Allocations** link above to view how the delta is allocated.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

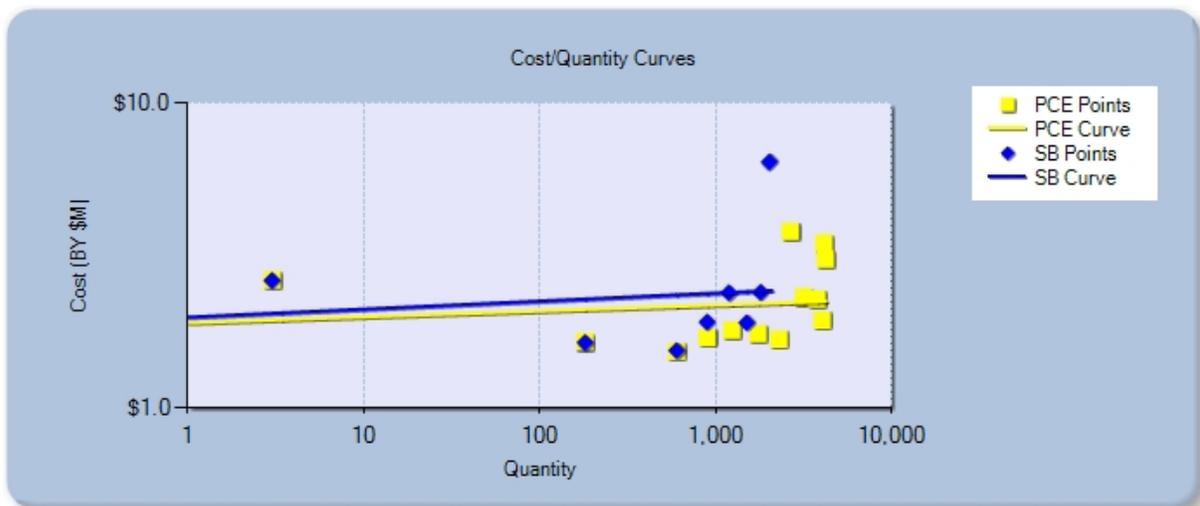
Procurement Cost Quantity Curve for STRYKER (PNO: 299) - DEC 2011 SAR

Cost Quantity Curve Instructions

Show

- [Quantity Lot Buys](#)
- [Cost-Quantity Data](#)
- [Cost-Quantity Curves](#)
- [Quantity Variance](#)
- [Quantity Allocations](#)
- [Manual Qty/Sched Overrides](#)
- [Additional Quantity Variance](#)
- [Schedule Variance](#)
- [Additional Schedule Variance](#)

Cost-Quantity Curves Best Fit Information			
PCE Best Fit Data		SAR BL Best Fit Data	
First UC:	1.911	First UC:	1.994
Slope:	101.344%	Slope:	101.836%
B:	0.019	B:	0.026
R ² :	0.002	R ² :	-0.007



PCE Cost-Quantity Curve Data					SAR Baseline Cost-Quantity Curve Data				
PCE Quantity Buy	PCE Recurring Cost	PCE Average Unit Cost	PCE Best Fit Unit Cost	PCE Best Fit Total Cost	BL Quantity Buy	BL Recurring Cost	BL Average Unit Cost	BL Best Fit Unit Cost	BL Best Fit Total Cost
7	18.5	2.643	1.957	13.7	7	18.4	2.629	2.059	14.4
447	742.2	1.660	2.113	944.5	447	736.1	1.647	2.286	1021.8
300	462.3	1.541	2.162	648.6	300	465.0	1.550	2.359	707.7
279	477.1	1.710	2.179	607.9	282	542.0	1.922	2.383	672.0
413	746.0	1.806	2.192	905.3	310	743.8	2.399	2.401	744.3
596	1050.2	1.762	2.207	1315.4	310	592.6	1.912	2.416	749.0
494	834.3	1.689	2.218	1095.7	300	721.9	2.406	2.428	728.4
220	837.8	3.808	2.225	489.5	130	836.3	6.433	2.435	316.6
790	1835.8	2.324	2.232	1763.3					
418	956.7	2.289	2.240	936.3					
93	181.5	1.952	2.243	208.6					
100	349.9	3.499	2.244	224.4					
68	209.9	3.087	2.245	152.7					

[Engineering Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 71 - Cost-Quantity Curves Screen

Table 23 - Cost-Quantity Curves Fields

Field Title	Format	Content/Notes
Command Center	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.3.3 Procurement Quantity Variance Link

This displays the Quantity Variance report for all Procurement Accounts when you click on the **Quantity Variance** link at the top of the screen.

- No data entry is required. Please review the Quantity Variance answers below.
- The Computational Model automatically calculates the Quantity Variance, using the SAR Baseline (SAR BL), Cost Curve, and the PCE Cost Curve. It provides both the True Quantity Variance (SAR BL) and the Total Quantity Variance (PCE) answers.
- The delta between the two answers is allocated back to the flyaway Cost Variance categories that contributed to cost change in the past.
- This information is review only and cannot be changed or edited.
- If the answers provided by the Computational Model do not represent your actual Quantity Variance, you may override Computational Model's answers with your own by filling out Quantity and Schedule Overrides.
- If you have additional Quantity Variance that must be declared, you may provide that additional Quantity Variance by filling out Additional Quantity Variance.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Quantity Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Quantity Variance Instructions Show

Quantity Lot Buys	Cost-Quantity Data	Cost-Quantity Curves	Quantity Variance	Quantity Allocations	Manual Qty/Sched Overrides	Additional Quantity Variance	Schedule Variance	Additional Schedule Variance
-----------------------------------	------------------------------------	--------------------------------------	--	--------------------------------------	--	--	-----------------------------------	--

[View Base Year \\$](#)

Quantity Variance for Account 2033 in TY\$ (M)

	2000	2001	2002	2003	2004	2005	Totals
Total (PCE) Quantity Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- True (BL) Quantity Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Amount to Allocate							0.0



[Engineering Variance -->](#)

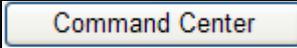
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 72 - Quantity Variance Screen

Table 24 - Quantity Variance Fields

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>This field only applies to Base-Year display.</p> <p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.3.4 Procurement Quantity Allocations Link

This displays the Quantity Allocations report when you click on the **Quantity Allocations** link at the top of the screen.

- If there is Quantity Variance in the CE, the Computational Model automatically calculates Quantity Allocations and provides a Change Explanation for each allocation. The Allocation information on this page cannot be changed or edited in accordance with OSD guidance.
- Quantity Allocation explanations can be reviewed by clicking the Change Explanations link in the Cost Variance navigation tree on the left.
- Allocations are done by allocating a portion of the Amount to Allocate back to the flyaway Cost Variance categories that contributed to cost change in the past. Each flyaway category's portion is calculated using the percentage that each category contributed to Total Previous Changes. This is done for each appropriation that experiences a total quantity change.
- The flyaway Cost Variance Categories are:
 - Schedule
 - Engineering
 - Estimating
 - Other
- There are rules or exceptions to performing Quantity Allocations. If one of the rules is broken, the explanation for that rule is displayed on this screen, and no allocations will be performed.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Quantity Allocations for GMLRS/GMLRS AW (PNO: 260) - DEC 2010 SAR

Quantity Allocations Instructions Show All Show

[Main](#)
[Cost-Quantity Data](#)
[Cost-Quantity Curves](#)
[Quantity Variance](#)
[Quantity Allocations](#)
[Manual Qty/Sched Overrides](#)
[Additional Quantity Variance](#)
[Schedule Variance](#)
[Additional Schedule Variance](#)

Quantity Allocations - 2032

	BY\$	TY\$
Total (PCE) Quantity Variance	43.3	60.9
minus True (BL) Quantity Variance	33.5	47.1
equals Amount to Allocate	9.8	13.8
Schedule	5.4	7.6
Engineering	0.0	0.0
Other	0.0	0.0
Estimating	4.4	6.2
Total Allocated	9.8	13.8

Quantity Allocation Calculations - 2032 TY \$M

	Schedule	Engineering	Other	Estimating	Totals
Previous Changes from Sec. 13a	1270.4	10.8	0.0	1013.1	2294.3
divided by Total Prev Changes	2294.3	2294.3	2294.3	2294.3	
equals % of Allocation	55.4	0.5	0.0	44.2	100.0
times Amt to Allocate	13.8	13.8	13.8	13.8	
equals Answer	7.6	0.0	0.0	6.2	13.8

Quantity Allocation Calculations - 2032 BY 2003 \$M

	Schedule	Engineering	Other	Estimating	Totals
Previous Changes from Sec. 13a	215.9	8.5	0.0	559.6	784.0
divided by Total Prev Changes	784.0	784.0	784.0	784.0	
equals % of Allocation	55.4	0.5	0.0	44.2	100.0
times Amt to Allocate	9.8	9.8	9.8	9.8	
equals Answer	5.4	0.0	0.0	4.4	9.8

[Engineering Variance -->](#)

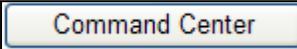
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 73 - Quantity Allocations Screen

Table 25 - Quantity Allocations Fields

Field Title	Format	Content/Notes
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>This field only applies to Base-Year display.</p> <p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>



8.2.3.5 Procurement Manual Qty/Sched Overrides Link

This displays the Quantity Manual Qty/Sched Overrides report when you click on the **Manual Qty/Sched Overrides** link at the top of the screen.

- If the program office elects to override either quantity or schedule variance, both must be overridden. Overriding either indicates that the answer that the Computational Model provided for Quantity Variance is not acceptable. There are several possible reasons why an acceptable answer cannot be provided, and they are all Learning Curve related.
 - Each lot buy has a mix of variants that have significantly different unit costs. In this case, the Learning Curve cannot differentiate between variants and cannot accurately produce Quantity Variance because the BY\$ Recurring Flyaway is an amalgam of the variants costs.
 - The Learning Curve is inaccurate because the lot buy costs that produce the plot points for the curve vary widely from lot buy to lot buy, and thus, do not conform to Learning Curve theory. This means that the Learning Curve calculations provide a less than accurate answer because the curve and actual costs are too unrelated.
 - Unique aberrations in unit cost cannot be taken into consideration by the Learning Curve calculations.

If either Quantity Variance or Schedule Variance is considered inaccurate, then both answers are inaccurate, thus the need to override both. Data must be entered by fiscal year, and the sum of the changes will be Total Quantity Variance and Total Schedule Variance.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Manual Quantity/Schedule Override for STRYKER (PNO: 299) - DEC 2011 SAR

Manual Quantity/Schedule Override Instructions Show

[Quantity Lot Buys](#) |
 [Cost-Quantity Data](#) |
 [Cost-Quantity Curves](#) |
 [Quantity Variance](#) |
 [Quantity Allocations](#) |
 [Manual Qty/Sched Overrides](#) |
 [Additional Quantity Variance](#) |
 [Schedule Variance](#) |
 [Additional Schedule Variance](#)

[View Base Year \\$](#)

Total Quantity Variance Override Breakout

Override Calculated Total (PCE) and True (SARBL) Quantity Variance

	2000	2001	2002	2003	2004	2005	2006	Totals
PCE Variance (Total)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

True Quantity Variance Override Breakout

	2000	2001	2002	2003	2004	2005	2006	Totals
SAR BL Variance (True)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Schedule Variance Override Breakout

Override Calculated Schedule Variance

	2000	2001	2002	2003	2004	2005	2006	Totals
Schedule Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Last Updated: 10/14/2011 09:16:51 EST by DAMIR System

[Engineering Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 74 - Manual Qty/Sched Overrides Screen

Table 26 - Quantity Manual Qty/Sched Overrides Fields

Field Title	Format	Content/Notes
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.

Field Title	Format	Content/Notes
Select Account	Dropdown	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Override Calculated Total (PCE) and True (SARBL) Quantity Variance	Checkbox	Check on this checkbox to override calculated values.
PCE Variance (Total)	Numeric	Enter the override PCE variance.
SAR BL Variance (True)	Numeric	Enter the override SAR Baseline variance.
Override Calculated Schedule Variance	Checkbox	Check on this checkbox to override calculated Schedule variance.
Schedule Variance	Numeric	Enter the override schedule variance.
	Buttons	<p>Save – Save all changes to the screen.</p> <p>Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.</p>
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.3.6 Procurement Additional Quantity Variance Link

This displays the Additional Quantity Variance report when you click on the **Additional Quantity Variance** link at the top of the screen.

- Data entry is required.
- Additional Quantity Variance is sometimes required when fact of life changes to the program dictate it. It will always be in addition to (and separate from) the calculated Quantity Variance.
- Some examples why Additional Quantity Variance might be necessary are:
 - When there is quantity change in an undefined subsystem that is not part of the unit of measure for the Program, thus not associated with calculated Quantity Variance.
 - Other unique conditions not represented in the Learning Curve.
- If there are multiple Procurement appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Provide any additional Quantity Variance in TY\$ by fiscal year below by appropriation.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Engineering Variance** → link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Additional Quantity Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Additional Quantity Variance Instructions

Show

[Quantity Lot Buys](#)
[Cost-Quantity Data](#)
[Cost-Quantity Curves](#)
[Quantity Variance](#)
[Quantity Allocations](#)
[Manual Qty/Sched Overrides](#)
[Additional Quantity Variance](#)
[Schedule Variance](#)
[Additional Schedule Variance](#)

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	New Additional	9.0	8.0	2.0	5.6	4.3	0.0	1.0	29.9

Last Updated: 10/14/2011 09:34:43 EST by Ms. Heather A. Loretoni

[Engineering Variance -->](#)

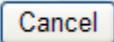
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 75 - Additional Quantity Variance Screen

Table 27 - Additional Quantity Variance Fields

Field Title	Format	Content/Notes
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Select Account	Drop-down	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Select either New Quantity or Change from the text box, or enter an explanation to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.

Field Title	Format	Content/Notes
 	Buttons	<p>Save – Save all changes to the screen.</p> <p>Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.</p>
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>



8.2.3.7 Procurement Schedule Variance Link

This displays the Schedule Variance report when you click on the **Schedule Variance** link at the top of the screen.

- No data entry is required.
- Schedule Variance for Procurement is defined as a shift in the buy profile in the CE that is in a year (or years) common to both the PCE and CE, except when it occurs only in the last year. It is automatically calculated using End Item Related BY\$ Flyaway aligned with quantity from the CE and the PCE.
- If the only change in the buy profile occurs in the last year, the change—by definition—is a Quantity change and not a Schedule change.
- Terms that will help you understand the calculation are listed below. In all cases the terms refer to End Item Related Flyaway BY\$ aligned with quantity.
 - NSNQ – New Schedule New Quantity refers specifically to the CE.
 - OSOQ - Old Schedule Old Quantity refers specifically to the PCE.
 - NSOQ – New Schedule Old Quantity refers to spreading the old flyaway dollars according to the New Schedule until it runs out.
 - OSNQ – Old Schedule New Quantity refers to spreading the new flyaway according to the Old Schedule until it runs out.
- Schedule change must be isolated from Quantity change to produce the correct answer. The steps below describe the process.
 - 1) NSNQ – OSOQ equals Quantity and Schedule Variance combined. Quantity must be held constant while Schedule Variance is isolated.
 - 2) NSNQ – OSNQ holds Quantity constant while isolating Schedule Variance.
 - 3) NSNQ is the CE, so the Computational Model fills a set of years with OSNQ until it runs out, and Then-Year by year subtracts OSNQ from NSNQ. Any deltas that occur are in BY\$.
 - 4) The year by year positive and negative deltas that result will always add to zero for the BY\$ Total Schedule Variance. So, by definition, Procurement Schedule Variance has no BY\$ component.
 - 5) These BY\$ deltas are multiplied by the CE indices to produce the variance in TY\$. This will always be a non zero number.
- Primarily, Schedule Variance reflects the inflationary results caused by the shift in the year by year quantity buy profile.
- The Computational Model inserts an explanation that states that there has been an “Acceleration” or “Stretch-out” “of Procurement buy profile”. You are encouraged to clarify the explanation by providing more detailed information on the shift in buy profile.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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Procurement Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Schedule Variance Instructions Show

[Quantity Lot Buys](#) |
 [Cost-Quantity Data](#) |
 [Cost-Quantity Curves](#) |
 [Quantity Variance](#) |
 [Quantity Allocations](#) |
 [Manual Qty/Sched Overrides](#) |
 [Additional Quantity Variance](#) |
 [Schedule Variance](#) |
 [Additional Schedule Variance](#)

[View Base Year \\$](#)

Calculated Schedule Variance for Account 2033 in TY\$ (M)

Variance	2000	2001	2002	2003	2004	200	Totals
Calculated Schedule Variance	0.0	0.0	0.0	0.0	0.0	0.	0.0
+ Additional Schedule Variance	0.0	0.0	0.0	0.0	0.0	0.	0.0
= Total Schedule Variance	0.0	0.0	0.0	0.0	0.0	0.	0.0

[Engineering Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 76 - Schedule Variance Screen

Table 28 - Schedule Variance Fields

Field Title	Format	Content/Notes
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.3.8 Procurement Additional Schedule Variance Link

This displays the Additional Schedule Variance report when you click on the **Additional Schedule Variance** link at the top of the screen.

- Data entry is required.
- Additional Schedule Variance is sometimes required when fact of life changes to the program dictate it. It will always be in addition to (and separate from) the calculated Schedule Variance.
- Some examples of why Additional Schedule Variance might be necessary are:
 - Contractor fees for altering the buy profile after lot buy cost has been negotiated.
 - Keeping a plant open during the year that a quantity buy has been cancelled.
 - Other additional Schedule costs not covered by standard Schedule Variance calculations.
- If there are multiple Procurement appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide any additional Schedule Variance in TY\$ by fiscal year below by appropriation.
- BY\$ are automatically calculated by year.
- Additional Schedule Variance has both TY\$ and BY\$ components.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.

Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Additional Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Additional Schedule Variance Instructions

Show

[Quantity Lot Buys](#)
[Cost-Quantity Data](#)
[Cost-Quantity Curves](#)
[Quantity Variance](#)
[Quantity Allocations](#)
[Manual Qty/Sched Overrides](#)
[Additional Quantity Variance](#)
[Schedule Variance](#)
[Additional Schedule Variance](#)

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	New Additional	9.0	8.0	5.0	2.1	2.3	2.5	6.0	34.9

Last Updated: 10/14/2011 09:41:28 EST by Ms. Heather A. Loretoni

[Engineering Variance -->](#)

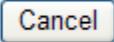
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 77 - Additional Schedule Variance Screen

Table 29 - Additional Schedule Variance Fields

Field Title	Format	Content/Notes
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Select Account	Dropdown	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Select either New Additional or Schedule Change in the text box, to describe the contents of the row, or enter an explanation.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.

Field Title	Format	Content/Notes
 	Buttons	<p>Save – Save all changes to the screen.</p> <p>Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.</p>
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.2.4 Procurement Schedule Variance

This displays the Quantity and Schedule Variance for each Fiscal Year. Schedule Variance is a change due primarily to a shift in the procurement quantity buy profile (any year), a change in any year compared to PCE (except last year(s)), or a shift in a development, MILCON, or O&M effort not identifiable to buy year quantity changes.

See the previous Procurement Quantity paragraph (6.2.3.7) for its functions when you click on the **Schedule** variance link from the Procurement Command Center.

Draft

8.2.5 Procurement Engineering Variance

This displays the engineering variance for each Fiscal Year. Click on the **Engineering** variance link from the Procurement Command Center to add or delete engineering changes for each Fiscal Year. Engineering Variance is the cost change due to an alteration in the physical or functional characteristics of an end item or subsystem.

- Data entry is required.
- Engineering Variance is caused by changes in the design or functions of the system, and cannot be automatically calculated by the Computational Model.
- Costs are usually known in the Program Office by those that track ECPs.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Engineering Change* explanation.
- Do not use the *New Engineering Change* text in the explanation. Use words that speak to Engineering kinds of changes, like "Redesigned brake system due to ..."
- Provide any Engineering Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Other Variance →** link on the bottom right to continue to Other Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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Procurement Engineering Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Engineering Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	Redesigned brake	9.0	5.5	5.6	5.7	8.1	0.0	0.0	254.7

Last Updated: 10/14/2011 10:19:18 EST by Ms. Heather A. Loretoni

[Other Variance -->](#)

Discussion

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Figure 78 – Procurement Engineering Variance Screen

Table 30 - Procurement Engineering Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Select Account	Drop-down	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Select either New Engineering or Change from the dropdown, or describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	Buttons	Save – Save all changes to the screen.

Field Title	Format	Content/Notes
		Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.6 Procurement Other Variance

This displays the other variance for each Fiscal Year. Click on the **Other** variance link to add or delete other changes for each Fiscal Year. Other Variance is a change due to natural disasters, work stoppage e.g., strikes), or similar unforeseeable events not covered in other variance categories. It must be manually entered by the user and must be approved by OSD.

- Data entry is required.
- Other Variance cannot be automatically calculated. It must be entered in TY\$ by fiscal year by appropriation.
- Use of Other Variance is rare. For example, it is used in cases of Natural Disasters or Labor Strikes. Its use must be approved by OSD.
- Costs are known in the Program Office by those that track the cost of Other changes, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Other Change* explanation.
- Do not use the *New Other Change* text in the explanation. Use words that speak to Other kinds of changes.
- Provide any Other Variance in TY\$ by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the Delete Change(s) button.

- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Support Variance** → link on the bottom right to continue to Support Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

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Procurement Other Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Other Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
<input type="checkbox"/>	Hurricane Katrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Last Updated: 10/14/2011 10:22:42 EST by Ms. Heather A. Loretoni

[Support Variance -->](#)

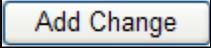
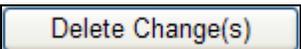
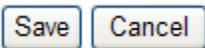
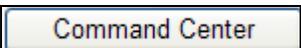
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 79 - Procurement Other Variance Screen

Table 31 - Procurement Other Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Select Account	Drop-down	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Del	Checkbox	Click on this checkbox to flag the row for deletion.

Field Title	Format	Content/Notes
Explanation	Text	Edit "New Other Change" from the text box to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
	Button	Click on the Add Change button to add the change.
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

8.2.7 Procurement Support Variance

This displays the variance for each Fiscal Year. Click on the **Support** variance link from the Procurement Command Center to display the Current Estimate, Previous CE (Current Estimate), Current & Prior Offset, Support Economic, and Net Variance for the Fiscal Years. Note that Net Variance = Current Estimates – other three variances. Support variance is any change in cost (regardless of reason) that cannot be associated with flyaway costs. Some examples include estimating and schedule changes in initial spares requirements and other support such as training, data, peculiar support, etc.

- No data entry is required. However, you can identify the Quantity Related piece of Initial Spares and Other Support.
- To identify the Quantity Related amounts, click the [Edit Quantity Related Support](#) link below. This is meant to identify the part of Initial Spares or Other Support change that is Quantity Related. Keep in mind that Quantity Related amounts must be in the same year or years that show Support Variance.
- However, if the entire amount of Initial Spares or Other Support change is Quantity Related, do not use the Quantity Related data entry screen here. Just mark each explanation Quantity Related, as appropriate, in the Change Explanations screen.
- Support Variance is calculated using BY\$ from both the CE and the PCE.
- It is simply the BY\$ delta between the CE and PCE (CE – PCE) on a year by year basis and those amounts summed to a BY\$ total.
- The TY\$ Support Variance is calculated by taking (CE BY\$ * New Indices) – (PCE BY\$ * New Indices) on a year by year basis. These are summed to a TY\$ total.
- Support Variance is automatically calculated by Computational Model for all appropriations, and cannot be changed or edited.
- Click the [Estimating Variance →](#) link on the bottom right to continue to Estimating Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (, which you can drag to display more years. You can drag it left or right to see desired years.

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Procurement Support Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Procurement Support Variance Instructions

Show

[Edit Quantity Related Support](#)

[View Base Year \\$](#)

Support Variance - Procurement 2033 in TY\$ (M)

	2000	2001	2002	2003	2004	2005	2006	Totals
Initial Spares								
Current Estimate	0.0	4.3	4.6	6.2	11.1	10.2	50.0	242.8
- Previous CE	0.0	4.3	4.6	6.2	11.1	10.2	50.0	242.8
- Current & Prior Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Support Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Net Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Support								
Current Estimate	0.4	92.5	58.7	121.1	89.5	100.3	164.4	1868.8
- Previous CE	0.4	92.5	58.7	121.1	89.5	100.3	164.4	1868.8
- Current & Prior Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Support Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Net Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Support Variance	0.0							

[Estimating Variance -->](#)

Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 80 - Procurement Support Variance Screen

Table 32 - Procurement Support Variance Fields

Field Title	Format	Content/Notes
Edit Quantity Related Support	Link	Click on this link and you can edit quantity related support values.
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains Current

Field Title	Format	Content/Notes
		Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments link to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.2.7.1 Edit Procurement Support Variance

The following screen will be presented if you click on the Edit Quantity Related Support link at the top, left-hand portion of the above screen. The bottom of the screen provides the means for making changes.

[View this Submission](#)

Procurement Support Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Procurement Support Variance Instructions

Show

[View Base Year \\$](#)

Support Variance - Procurement 2033 in TY\$ (M)

	2000	2001	2002	2003	2004	2005	2006	Totals
Initial Spares								
Current Estimate	0.0	4.3	4.6	6.2	11.1	10.2	50.0	242.8
- Previous CE	0.0	4.3	4.6	6.2	11.1	10.2	50.0	242.8
- Current & Prior Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Support Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Net Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quantity Related (Net)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Support								
Current Estimate	0.4	92.5	58.7	121.1	89.5	100.3	164.4	1868.8
- Previous CE	0.4	92.5	58.7	121.1	89.5	100.3	164.4	1868.8
- Current & Prior Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Support Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Net Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quantity Related (Net)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Support Variance	0.0							

Quantity Related Amounts of Net Variance - 2033 in TY\$ (M)

	2000	2001	2002	2003	2004	2005	2006	Totals
Initial Spares (Net)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Support (Net)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Last Updated: 10/14/2011 10:22:42 EST by Ms. Heather A. Loretoni

[Estimating Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 81 – Edit Quantity Related Support Screen

Table 33 - Procurement Quantity Related Support Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Initial Spares (Net)	Numeric	Enter the number of spares for the appropriate years.
Other Support (Net)	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments

Field Title	Format	Content/Notes
		link to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

Draft

8.2.8 Procurement Estimating Variance

This displays the variance for each Fiscal Year. Click on the **Estimating** Variance link from the Procurement Command Center to display Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.

Estimating Variance is a change in a program cost due to:

- Refinement of a Prior Current Estimate.
- Change in program or cost estimating assumptions and techniques not covered by previous variance categories.
- Current and Prior inflation adjustment flyaway portion only.
- Related to Economic Change due to changes in inflation rates.
- Only occurs in December SAR.
- Data entry is required.
- Estimating Variance reflects a change in estimating assumptions and cannot be automatically calculated by Computational Model.
- Costs are known in the Program Office by those that track changes to Estimating, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Estimating Change* explanation.
- Do not use the *New Estimating Change* text in the explanation. Use words that speak to Estimating kinds of changes, like "Revised estimate due to..."
- Provide any Estimating Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Command Center →** link on the bottom right to return to the Command Center to review the results of your work in Computational Model.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Procurement Estimating Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Estimating Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2000	2001	2002	2003	2004	2005	2006	Totals
	Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+	Adj. C&P Inflation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Total Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-	Non Est. Changes	27.0	21.5	12.6	13.4	14.7	2.5	7.0	319.5
-	Total Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Unexplained	-27.0	-21.5	-12.6	-13.4	-14.7	-2.5	-7.0	-319.5

Last Updated: 10/14/2011 10:22:42 EST by Ms. Heather A. Loretoni

[Command Center -->](#)

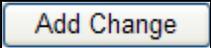
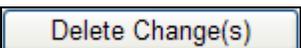
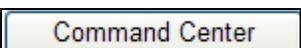
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 82 - Procurement Estimating Variance Screen

Table 34 - Procurement Estimating Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Select Account	Drop-down	Choose a specific account to display or "Roll-Up All" to summarize all accounts.
Del	Checkbox	This field is disabled. Click on this checkbox to flag the row for deletion.
Explanation	Text	This field is disabled. Edit "Revised Estimate due to

Field Title	Format	Content/Notes
		updated President's budget" from the text box to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
	Button	Click on the Add Change button to add the change.
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
	Buttons	Save – Save all changes to the screen. Cancel – Cancel changes made since last saving this record. If you press the Cancel button, all data entered since the last Save will be discarded.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	This field only applies to Base-Year display. Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text. Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.

8.3 MILCON COMMAND CENTER

The MILCON Command Center displays variances for the Fiscal Years shown. MILCON appropriations do not report Quantity Variance because, by definition, MILCON funding does not purchase either Development or Procurement quantities. Even though MILCON is thought of as a support type of appropriation (because support is directly related to quantity), no MILCON Support Variance is reported.



- No data entry is required on this screen.
- The goal in the Computational Model is to explain all cost changes to the PCE that have zero Unexplained Variance remaining—both at the Total level and on a yearly basis.
- Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). Total Variance is the starting point, so Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from Total Variance for each year.
- Select the appropriation category that you want to work on from the navigation tree on the far left under the Computational Model.
- Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the *Totals* column.
- The Computational Model automatically calculates Total and Economic Variance for all appropriation categories. For Procurement, Computational Model also automatically calculates Quantity, Schedule, and Support Variance.
- There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively, you can navigate entirely through Computational Model by clicking the link on the bottom right to go to the next Cost Variance category indicated.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by category (e.g., Economic, Quantity, etc.) for MILCON. Click on the links (**Total Variance** through **Estimating**) to review those variance categories. A **View Base Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$. You can drill down into the listed categories by clipping on the links.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All MILCON Funding Source(s) - DEC 2011 SAR

Command Center Instructions Show

[View Base Year \\$](#)

Command Center for Funding Source(s) - MILCON in TY\$ (M)

Fiscal Years	2002	2003	2004	2005	2006	2007	2008	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Engineering	5.6	8.9	7.5	1.2	2.5	4.5	63.0	116.2
Less Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	5.4	9.6	3.2	5.4	8.0	9.0	7.0	68.1
Equals Unexplained	-11.0	-18.5	-10.7	-6.6	-10.5	-13.5	-70.0	-184.3

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 83 - MILCON Command Center Display

Table 35 - MILCON Command Center Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Total Variance	Link	The row displays the total variance for each Fiscal Year. Click on the Total Variance link to display the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years.
Economic	Link	The row displays the economic variance for each Fiscal Year. Click on the Economic variance link to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Year Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Note that Economic Variance = New Indices - Old Indices.
Schedule	Link	The row displays the schedule variance for each Fiscal

Field Title	Format	Content/Notes
		Year. Click on the Schedule variance link to add or delete schedule changes for each Fiscal Year.
<u>Engineering</u>	Link	The row displays the engineering variance for each Fiscal Year. Click on the Engineering variance link to add or delete engineering changes for each Fiscal Year.
<u>Other</u>	Link	The row displays the other variance for each Fiscal Year. Click on the Other variance link to add or delete other changes for each Fiscal Year.
<u>Estimating</u>	Link	The row displays the variance for each Fiscal Year. Click on the Estimating variance link to display Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.
<u>Unexplained</u>	Display	The row displays the net variance for each Fiscal Year. The Unexplained Variance row should contain nothing but zeroes. If not, corrective action is required to non-zero rows above the Unexplained row until it displays only zeroes. There is no link.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Click on the View Base Year \$ link ([View Base Year \\$](#)) and the following will be shown. Notice that the link changes to [View Then Year \\$](#), which is the default view as shown above. The only field that permits data entry is the *Discussion* field. Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All MILCON Funding Source(s) - DEC 2011 SAR

Command Center Instructions Show

[View Then Year \\$](#)

Command Center for Funding Source(s) - MILCON in BY\$ (M)

Fiscal Years	2002	2003	2004	2005	2006	2007	2008	Totals
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Economic	---	---	---	---	---	---	---	0.0
Less Schedule	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Engineering	5.6	8.7	7.1	1.1	2.3	4.0	55.2	103.0
Less Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	5.4	9.3	3.0	5.0	7.2	8.0	6.1	61.2
Equals Unexplained	-11.0	-18.0	-10.1	-6.1	-9.5	-12.0	-61.3	-164.2

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 84 - MILCON Command Center Display for Base-Years Screen

8.3.1 MILCON Total Variance

The [Total Variance](#) link on the Command Center will display the same information as the [Total Variance -->](#) link at the bottom right of the Command Center screen. It summarizes all of the variances listed below (Economic through Estimating).

- No data entry is required.
- Total Variance is the delta between the CE and the PCE in both TY\$ and BY\$ (CE minus PCE) by fiscal year. The fiscal years are then summed to total TY\$ and total BY\$. Total Variance is calculated automatically by the Computational Model and cannot be changed or edited. It is for review only.
- The aggregate of multiple appropriations is displayed below along with the Total Variance for each appropriation.
- Click the [Economic Variance -->](#) link on the bottom right to continue to Economic Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by Current Estimate, Previous Current Estimate, and Total Variance for MILCON. A [View Base](#)

[Year \\$](#) link is available in the upper, right-hand corner to show the same display for Base-Year \$.

[View this Submission](#)

MILCON Total Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Total Variance Instructions Show

[View Base Year \\$](#)

Total Variance for Funding Source(s) - MILCON

	2002	2003	2004	2005	2006	2007	2008	Totals
Current Estimate	56.2	219.9	346.7	234.0	268.6	323.7	235.7	2481.8
Previous C.E.	56.2	219.9	346.7	234.0	268.6	323.7	235.7	2481.8
Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Economic Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 85 - MILCON Total Variance Screen

Table 36 - MILCON Total Variance Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Current Estimate	Display	Displays the Current Estimate for each year.
Previous C.E.	Display	Displays the Previous Current Estimate for each year.
Total Variance	Display	Displays the Variance between Current Estimate and Previous Current Estimate for each year.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be

Field Title	Format	Content/Notes
		<p>viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.3.2 MILCON Economic Variance

This displays the economic variance for each Fiscal Year. Click on the **Economic** variance link from the MILCON Command Center to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Year Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Economic Variance is a change in the Current Estimate (CE) resulting from using a different set of inflation indices than were used in the Previous Current Estimate.

- No data entry is required. Please review the Economic Variance answers below.
- Economic Variance is calculated using PCE BY\$. The calculation formula is: $(\text{PCE BY\$} * \text{New Indices}) - (\text{PCE BY\$} * \text{Old Indices})$. The calculation is done for each fiscal year. This produces a TY\$ answer only and the fiscal years are summed to a total TY\$.
- There is no BY\$ component to Economic Variance.
- Economic Variance is calculated automatically by the Computational Model and cannot be changed or edited.
- If there are multiple appropriations, there will be an aggregate answer that combines the Economic Variance for all appropriations. This aggregate answer is used for the single Economic Variance explanation that the Computation Model automatically creates. In addition, each appropriation will have its own Economic Variance in the page below for review.
- You can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

Note that Economic Variance = New Indices – Old Indices.

Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

MILCON Economic Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Economic Variance Instructions

Show

Economic Variance for Funding Source(s) - MILCON 2050 in TY\$ (M)

Fiscal Years	2002	2003	2004	2005	2006	2007	2008	Totals
PCE BY\$ * New Indices	56.2	219.9	346.7	234.0	268.6	323.7	235.7	2481.8
- PCE BY\$ * Old Indices	56.2	219.9	346.7	234.0	268.6	323.7	235.7	2481.8
= Economic Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

[Schedule Variance -->](#)

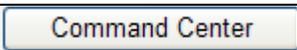
Command Center

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 86 - MILCON Economic Variance Screen

Table 37 - MILCON Economic Variance Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
PCE BY\$ (New Indices)	Numeric	Displays the Previous Current Estimate in Base-Year dollars for each year with the new indices.
PCE BY\$ (Old Indices)	Numeric	Displays the Previous Current Estimate in Base-Year dollars for each year with the old indices.
Economic Variance	Numeric	Displays the Variance between Current Estimate and Previous Current Estimate for each year.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired

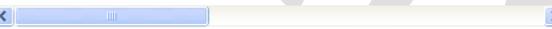
Field Title	Format	Content/Notes
		<p>discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.3.3 MILCON Schedule Variance

This displays the schedule variance for each Fiscal Year. Schedule Variance is a change due primarily to a shift in a development, MILCON, or O&M effort not identifiable to buy year quantity changes. Click on the **Schedule Variance** link from the MILCON Command Center to add or delete schedule changes for each Fiscal Year.

- Data entry is required.
- Schedule Variance is defined as a shift in the effort of RDT&E, MILCON, or O&M. The shift in effort could be a stretch-out or acceleration.
- Schedule Variance cannot be automatically calculated. It must be entered in TY\$ by appropriation.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with Schedule Variance.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Engineering Variance** → link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

MILCON Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Schedule Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2002	2003	2004	2005	2006	2007	2008	Totals
<input type="checkbox"/>	Varied amounts of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Last Updated: 10/14/2011 11:32:00 EST by Ms. Heather A. Loretoni

[Engineering Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 87 - MILCON Schedule Variance Screen

Table 38 - MILCON Schedule Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Schedule" or "Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	.

Field Title	Format	Content/Notes
		<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.3.4 MILCON Engineering Variance

This displays the engineering variance for each Fiscal Year. Click on the **Engineering** variance link from the MILCON Command Center to add or delete engineering changes for each Fiscal Year. The Engineering Variance is the cost change due to an alteration in the physical or functional characteristics of an end item or subsystem.

- Data entry is required.
- Engineering Variance is caused by changes in the design or functions of the MILCON effort and cannot be automatically calculated by the Computational Model.
- Costs are usually known in the Program Office by those that track ECPs.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Engineering Change* explanation.
- Do not use the *New Engineering Change* text in the explanation. Use words that speak to Engineering kinds of changes, like "Redesigned brake system due to ..."
- Provide any Engineering Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Other Variance →** link on the bottom right to continue to Other Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

MILCON Engineering Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Engineering Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2002	2003	2004	2005	2006	2007	2008	Totals
<input type="checkbox"/>	zfgxfgzdfgdzfg	5.6	8.9	7.5	1.2	2.5	4.5	63.0	116.2

Last Updated: 10/14/2011 11:32:00 EST by Ms. Heather A. Loretoni

[Other Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 88 - MILCON Engineering Variance Screen

Table 39 - MILCON Engineering Variance Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Engineering" or "Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated

Field Title	Format	Content/Notes
		<p>with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.3.5 MILCON Other Variance

This displays the other variance for each Fiscal Year. Click on the **Other** variance link from the MILCON Command Center to add or delete other changes for each Fiscal Year. Other Variance is a change due to natural disasters, work stoppage (e.g., strikes), or similar unforeseeable events not covered in other variance categories. It must be manually entered by the user and must be approved by OSD.

- Data entry is required.
- The Other Variance cannot be automatically calculated. It must be entered in TY\$ by fiscal year by appropriation.
- Use of Other Variance is rare. For example, it is used in cases of Natural Disasters or Labor Strikes. Its use must be approved by OSD.
- Costs are known in the Program Office by those that track the cost of Other changes, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Other Change* explanation.
- Do not use the *New Other Change* text in the explanation. Use words that speak to Other kinds of changes.
- Provide any Other Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Support Variance →** link on the bottom right to continue to Support Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

MILCON Other Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Other Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2002	2003	2004	2005	2006	2007	2008	Totals
<input type="checkbox"/>	Hurricane Irene hit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Last Updated: 10/14/2011 11:52:08 EST by Ms. Heather A. Loretoni

[Estimating Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 89 - MILCON Other Variance Screen

Table 40 - MILCON Other Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Other Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated

Field Title	Format	Content/Notes
		<p>with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.3.6 MILCON Estimating Variance

This displays the variance for each Fiscal Year. Click on the **Estimating** Variance link from the MILCON Command Center to display the Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.

Estimating Variance is a change in a program cost due to:

- Refinement of a Prior Current Estimate.
- Change in program or cost estimating assumptions and techniques not covered by previous variance categories.
- Current and Prior inflation adjustment flyaway portion only.
- Related to Economic Change due to changes in inflation rates.
- This only occurs in a December SAR.
- Data entry is required.
- Estimating Variance reflects a change in estimating assumptions and cannot be automatically calculated by the Computational Model.
- Costs are known in the Program Office by those that track changes to Estimating, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Estimating Change* explanation.
- Do not use the *New Estimating Change* text in the explanation. Use words that speak to Estimating kinds of changes, like "Revised estimate due to..."
- Provide any Estimating Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the **Command Center →** link on the bottom right to return to the Command Center to review the results of your work in Computational Model.

Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

MILCON Estimating Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Estimating Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2002	2003	2004	2005	2006	2007	2008	Totals
<input type="checkbox"/>	Hurricane Katrina	5.4	9.6	3.2	5.4	8.0	9.0	7.0	68.1
	Subtotal	5.4	9.6	3.2	5.4	8.0	9.0	7.0	68.1
+	Adj. C&P Inflation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Total Estimating	5.4	9.6	3.2	5.4	8.0	9.0	7.0	68.1
	Total Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-	Non Est. Changes	5.6	8.9	7.5	1.2	2.5	4.5	63.0	116.2
-	Total Estimating	5.4	9.6	3.2	5.4	8.0	9.0	7.0	68.1
=	Unexplained	-11.0	-18.5	-10.7	-6.6	-10.5	-13.5	-70.0	-184.3

Last Updated: 10/14/2011 11:52:08 EST by Ms. Heather A. Loretoni

[Command Center -->](#)

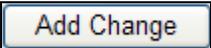
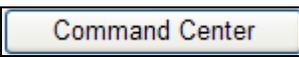
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 90 - MILCON Estimating Variance Screen

Table 41 - MILCON Estimating Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New estimating change" in the text box, to describe the contents of the row.

Field Title	Format	Content/Notes
Years	Numeric	Enter the Quantity number for the appropriate years.
	Button	Click on the Add Change button to add the change.
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.4 ACQUISITION O&M COMMAND CENTER

The Acq O&M Command Center displays variances for the Fiscal Years shown. O&M appropriations do not report Quantity Variance because, by definition, O&M funding does not purchase either Development or Procurement quantities. Because O&M does not purchase quantities, O&M Support Variance is not reported.

- No data entry is required on this screen.
- The goal in the Computational Model is to explain all cost changes since the PCE and have zero Unexplained Variance remaining, both at the Total level and on a yearly basis.
- Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). Total Variance is the starting point, so Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from Total Variance for each year.
- Select the appropriation category that you want to work on from the navigation tree on the far left under the Computational Model.
- Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the Totals column.
- The Computational Model automatically calculates Total and Economic Variance for all appropriation categories. For Procurement, the Computational Model also automatically calculates Quantity, Schedule, and Support Variance.
- There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively, you can navigate entirely through the Computational Model by clicking the link on the bottom right to go to the next Cost Variance category indicated.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by category (e.g., Economic, Schedule, etc.) for Acq O&M. Click on the links (**Total Variance** through **Estimating**) to review those variance categories. A View Base Year \$ link is available in the upper, right-hand corner to show the same display for Base-Year \$. You can drill down into the listed categories by clipping on the links.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All Acq O&M Funding Source(s) - DEC 2011 SAR

Command Center Instructions

Show

[View Base Year \\$](#)

Command Center for Funding Source(s) - OM in TY\$ (M)

Fiscal Years	2010	2011	2012	2013	2014	Totals
Total Variance	4.5	9.0	5.6	11.4	3.2	33.7
Less Economic	0.0	0.0	0.0	0.0	0.0	0.0
Less Schedule	5.0	6.0	7.0	1.0	2.0	21.0
Less Engineering	0.0	0.0	0.0	0.0	0.0	0.0
Less Other	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	0.0	0.0	0.0	0.0	0.0
Equals Unexplained	-0.5	3.0	-1.4	10.4	1.2	12.7

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 91 - Acq O&M Command Center Display

Table 42 - Acq O&M Command Center Fields

Field Title	Format	Content/Notes
View Base Year \$	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Total Variance	Link	This row displays the total variance for each Fiscal Year. Click on the Total Variance link to display Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years.
Economic	Link	This row displays the economic variance for each Fiscal Year. Click on the Economic variance link to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Year Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Note that Economic Variance = New Indices - Old Indices.
Schedule	Link	This row displays the schedule variance for each Fiscal Year. Click on the Schedule variance link to add or delete

Field Title	Format	Content/Notes
		schedule changes for each Fiscal Year.
<u>Engineering</u>	Link	This row displays the engineering variance for each Fiscal Year. Click on the Engineering variance link to add or delete engineering changes for each Fiscal Year.
<u>Other</u>	Link	This row displays the other variance for each Fiscal Year. Click on the Other variance link to add or delete other changes for each Fiscal Year.
<u>Estimating</u>	Link	This row displays the variance for each Fiscal Year. Click on the Estimating variance link to display the Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.
Unexplained	Display	This row displays the net variance for each Fiscal Year. The Unexplained Variance row should contain nothing but zeroes. If not, corrective action is required to non-zero rows above the Unexplained row until it displays only zeroes. There is no link.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Click on the View Base Year \$ link ([View Base Year \\$](#)) and the following will be shown. Notice that the link changes to [View Then Year \\$](#), which is the default view as shown above. The only field that permits data entry is the *Discussion* field. Notice the slide bar () , which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Computational Model for STRYKER (PNO: 299) - All Acq O&M Funding Source(s) - DEC 2011 SAR

Command Center Instructions [Show](#)

[View Then Year \\$](#)

Command Center for Funding Source(s) - OM in BY\$ (M)

Fiscal Years	2010	2011	2012	2013	2014	Totals
Total Variance	3.9	7.7	4.7	9.5	2.6	28.4
Less Economic	---	---	---	---	---	0.0
Less Schedule	4.3	5.1	5.9	0.8	1.6	17.7
Less Engineering	0.0	0.0	0.0	0.0	0.0	0.0
Less Other	0.0	0.0	0.0	0.0	0.0	0.0
Less Estimating	0.0	0.0	0.0	0.0	0.0	0.0
Equals Unexplained	-0.4	2.6	-1.2	8.7	1.0	10.7

[Total Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 92 - Acq O&M Command Center Display for Base-Years

8.4.1 Acq O&M Total Variance

The **Total Variance** link from the Acq O&M Command Center will display the same information as the [Total Variance -->](#) link at the bottom right of the screen. It summarizes all of the variances listed below (Economic through Estimating).

- No data entry is required.
- Total Variance is the delta between the CE and the PCE in both TY\$ and BY\$ (CE minus PCE) by fiscal year. The fiscal years are then summed to total TY\$ and total BY\$. Total Variance is calculated automatically by the Computational Model and cannot be changed or edited. It is for review only.
- The aggregate of multiple appropriations is displayed below along with the Total Variance for each appropriation.
- Click the [Economic Variance →](#) link on the bottom right to continue to Economic Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

The report displays a summary of Then-Year dollars (in millions) of each Fiscal Year by Current Estimate, Previous Current Estimate, and Total Variance for Acq O&M. A **View Base Year \$** link is available in the upper, right-hand corner to show the same display for Base-Year \$.

[View this Submission](#)

Acq O&M Total Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Total Variance Instructions Show

[View Base Year \\$](#)

Total Variance for Funding Source(s) - OM								
	2008	2009	2010	2011	2012	2013	2014	Totals
Current Estimate	9.0	8.0	0.0	0.0	4.0	5.0	0.0	26.0
Previous C.E.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Variance	9.0	8.0	0.0	0.0	4.0	5.0	0.0	26.0

[Economic Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 93 - Acq O&M Total Variance Screen

Table 43 - Acq O&M Total Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Current Estimate	Display	Displays the Current Estimate for each year.
Previous C.E.	Display	Displays the Previous Current Estimate for each year.
Total Variance	Display	Displays the Variance between Current Estimate and Previous Current Estimate for each year.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.4.2 Acq O&M Economic Variance

This displays the economic variance for each Fiscal Year. Click on the **Economic** variance link from the Acq O&M Command Center to display PCE BY\$ (New Indices) (Previous Current Estimate Base-Year Dollars), PCE BY\$ (Old Indices), and Economic Variance for the Fiscal Years. Economic Variance is a change in the Current Estimate (CE) resulting from using a different set of inflation indices than were used in the Previous Current Estimate.

- No data entry is required. Please review the Economic Variance answers below.
- Economic Variance is calculated using PCE BY\$. The calculation formula is: (PCE BY\$ * New Indices) – (PCE BY\$ * Old Indices). The calculation is done for each fiscal year. This produces a TY\$ answer only and the fiscal years are summed to a total TY\$.
- There is no BY\$ component to Economic Variance.
- Economic Variance is calculated automatically by the Computational Model and cannot be changed or edited.
- If there are multiple appropriations, there will be an aggregate answer that combines the Economic Variance for all appropriations. This aggregate answer is used for the single Economic Variance explanation that the Computation Model automatically creates. In addition, each appropriation will have its own Economic Variance in the page below for review.
- You can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Acq O&M Economic Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Economic Variance Instructions Show

Economic Variance for Funding Source(s) - OM 0100 in TY\$ (M)

Fiscal Years	2008	2009	2010	2011	2012	2013	2014	Totals
PCE BY\$ * New Indices	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- PCE BY\$ * Old Indices	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=Economic Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

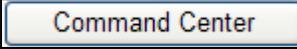
[Schedule Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 94 - Acq O&M Economic Variance Screen

Table 44 - Acq O&M Economic Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
PCE BY\$ (New Indices)	Display	Displays the Previous Current Estimate in Base-Year dollars for each year with the new indices.
PCE BY\$ (Old Indices)	Display	Displays the Previous Current Estimate in Base-Year dollars for each year with the old indices.
Economic Variance	Display	Displays the Variance between Current Estimate and Previous Current Estimate for each year.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p><u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p><u>Edit Comments</u> – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

8.4.3 Acq O&M Schedule Variance

This displays the schedule variance for each Fiscal Year. Click on the **Schedule** Variance link from the Acq O&M Command Center to add or delete schedule changes for each Fiscal Year. Schedule Variance is a change due primarily to a shift in a development, MILCON, or O&M effort not identifiable to buy year quantity changes.

- Data entry is required.
- Schedule Variance is defined as a shift in the effort of RDT&E&E, MILCON or O&M. The shift in effort could be a stretch-out or acceleration.
- Schedule Variance cannot be automatically calculated and must be entered in TY\$ by appropriation.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with Schedule Variance.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the [Engineering Variance](#) → link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Acq O&M Schedule Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Schedule Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2008	2009	2010	2011	2012	2013	2014	Totals
<input type="checkbox"/>	New Schedule	9.0	4.0	5.0	6.0	2.0	8.0	7.0	41.0

Last Updated: 10/17/2011 10:58:54 EST by Ms. Heather A. Loretoni

[Engineering Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 95 - Acq O&M Schedule Variance Screen

Table 45 - Acq O&M Schedule Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Schedule" or "Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated

Field Title	Format	Content/Notes
		<p>with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.4.4 Acq O&M Engineering Variance

This displays the engineering variance for each Fiscal Year. Click on the **Engineering** variance link from the Acq O&M Command Center to add or delete engineering changes for each Fiscal Year. Engineering Variance is the cost change due to an alteration in the physical or functional characteristics of an end item or subsystem.

- Data entry is required.
- Engineering Variance is caused by changes in the design or functions of the system and cannot be automatically calculated by the Computational Model.
- Costs are usually known in the Program Office by those that track ECPs.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Engineering Change* explanation.
- Do not use the *New Engineering Change* text in the explanation. Use words that speak to Engineering kinds of changes, like "Redesigned brake system due to ..."
- Provide any Engineering Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the Other Variance → link on the bottom right to continue to Other Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Acq O&M Engineering Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Engineering Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2008	2009	2010	2011	2012	2013	2014	Totals
<input type="checkbox"/>	New Engineering	8.0	4.0	5.0	1.0	2.0	7.0	8.0	35.0

Last Updated: 10/17/2011 10:58:54 EST by Ms. Heather A. Loretoni

[Other Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 96 - Acq O&M Engineering Variance Screen

Table 46 - Acq O&M Engineering Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Engineering" or "Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated

Field Title	Format	Content/Notes
		<p>with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.4.5 Acq O&M Other Variance

This displays the Other variance for each Fiscal Year. Click on the Other variance link from the Acq O&M Command Center to add or delete other changes for each Fiscal Year. Other Variance is a change due to natural disasters, work stoppage e.g., strikes), or similar unforeseeable events not covered in other variance categories. It must be manually entered by the user and must be approved by OSD.

- Data entry is required.
- Other Variance cannot be automatically calculated and must be entered in TY\$ by fiscal year by appropriation.
- Use of Other Variance is rare. For example, it is used in cases of Natural Disasters or Labor Strikes. Its use must be approved by OSD.
- Costs are known in the Program Office by those that track the cost of Other changes, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Other Change* explanation.
- Do not use the *New Other Change* text in the explanation. Use words that speak to Other kinds of changes.
- Provide any Other Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the Support Variance → link on the bottom right to continue to Support Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the **Command Center** button on the bottom left.

Notice the slide bar (), which you can drag to display more years. You can drag it left or right to see desired years.

[View this Submission](#)

Acq O&M Other Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Other Variance Instructions Show

[View Base Year \\$](#)

Del	Explanation	2008	2009	2010	2011	2012	2013	2014	Totals
<input type="checkbox"/>	New Other Change	7.0	4.0	5.0	4.0	4.0	4.0	0.0	28.0

Last Updated: 10/17/2011 10:58:54 EST by Ms. Heather A. Loretoni

[Estimating Variance -->](#)

Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 97 - Acq O&M Other Variance Screen

Table 47 - Acq O&M Other Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New Other Change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.
<input type="button" value="Delete Change(s)"/>	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
<input type="button" value="Command Center"/>	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<u>Add My Comments</u> – Click on this link to add a Discussion item. Enter desired text to be associated

Field Title	Format	Content/Notes
		<p>with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on Add My Comments to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

8.4.6 Acq O&M Estimating Variance

This displays the Estimating variance for each Fiscal Year. Click on the [Estimating Variance](#) link from the Acq O&M Command Center to display Subtotal, Adj. C&P Inflation, and Total Estimating for the Fiscal Years. Also displayed are Total Variance, Non Est. Change, Total Estimating, and Unexplained.

Estimating Variance is a change in a program cost due to:

- Refinement of a Prior Current Estimate.
- Change in program or cost estimating assumptions and techniques not covered by previous variance categories.
- Current and Prior inflation adjustment flyaway portion only.
- Related to Economic Change due to changes in inflation rates.
- This only occurs in a December SAR.
- Data entry is required.
- Estimating Variance reflects a change in estimating assumptions and cannot be automatically calculated by the Computational Model.
- Costs are known in the Program Office by those that track changes to Estimating, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the *Appropriation* drop-down. The drop-down is only visible when there are multiple appropriations.
- Click the **Add Change** button to begin and the Computational Model will insert a *New Estimating Change* explanation.
- Do not use the *New Estimating Change* text in the explanation. Use words that speak to Estimating kinds of changes, like "Revised estimate due to..."
- Provide any Estimating Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the *Del* column and click the **Delete Change(s)** button.
- Be sure to save your work by clicking the **Save** button. The **Cancel** button will return to the last saved condition.
- Click the [Command Center →](#) link on the bottom right to return to the Command Center to review the results of your work in Computational Model.

[View this Submission](#)

OM Estimating Variance for STRYKER (PNO: 299) - DEC 2011 SAR

Estimating Variance Instructions

Show

[View Base Year \\$](#)

Del	Explanation	2008	2009	2010	2011	2012	2013	2014	Totals
	Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
+	Adj. C&P Inflation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Total Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total Variance	9.0	8.0	0.0	0.0	4.0	5.0	0.0	26.0
-	Non Est. Changes	24.0	12.0	15.0	11.0	8.0	19.0	15.0	104.0
-	Total Estimating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
=	Unexplained	-15.0	-4.0	-15.0	-11.0	-4.0	-14.0	-15.0	-78.0

Last Updated: 10/17/2011 10:58:54 EST by Ms. Heather A. Loretoni

[Command Center -->](#)

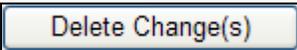
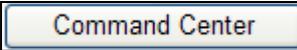
Discussion

[Add My Comments](#) | [Edit Comments](#)

Figure 98 - Acq O&M Estimating Variance Screen

Table 48 - Acq O&M Estimating Variance Fields

Field Title	Format	Content/Notes
<u>View Base Year \$</u>	Link	Click on this link and the Base-Years are displayed. The screen image is displayed below. It contains the Current Estimate, Previous C.E. (Current Estimate), and Total Variance for the Fiscal Years. You may also add or edit Discussion entries.
Del	Checkbox	Click on this checkbox to flag the row for deletion.
Explanation	Text	Edit "New estimating change" in the text box, to describe the contents of the row.
Years	Numeric	Enter the Quantity number for the appropriate years.
<input type="button" value="Add Change"/>	Button	Click on the Add Change button to add the change.

Field Title	Format	Content/Notes
	Button	Click on the Delete Change(s) button to delete the marked changes in the Del checkbox.
	Button	Press the Command Center button to return to the appropriate Command Center.
Discussion	Text	<p>Add My Comments – Click on this link to add a Discussion item. Enter desired text to be associated with the program for this section. This information will NOT appear as part of the SAR report. However, it will be viewable by those with edit/review Draft SAR capabilities all the way up the Release Hierarchy. Enter the desired discussion comment then click on <u>Add My Comments</u> to save your text.</p> <p>Edit Comments – Click on this link to modify the last discussion comment added. If the current user reviewing the SAR is not the last person to have added a discussion item(s), the last comment will not be editable.</p>

Draft

APPENDIX A INSTRUCTION SCREENS

This section displays the Instruction Screens for the various sections. These may be helpful to review prior to entering data for a given section. Use **Hide** to keep the Instructions from displaying. Use **Show** to display the Instructions. The specific functions of these buttons are shown below:

- The **Hide** () button hides the Instructions for the current section being displayed.
- The **Show** () button redisplay the Instructions for the current section.

Draft

A.1 Cost Variance Summary Instructions

Cost Variance Summary Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Cost Variance Summary section.	
What do I have to do here?	
<ul style="list-style-type: none">Normally no data entry is required.If your program is transitioning to the next Major Milestone (e.g., Milestone C or Production), edit boxes will open in Previous Changes for Engineering, Estimating and Other variance as well as the Adjustments line to allow adjustments because new funding sources have been introduced that did not previously exist.The Cost Variance Summary shows information about cost changes to the program for the current acquisition phase. This information is for review only. The goal for the Cost Variance section of the SAR is to explain all cost changes in the Current Estimate (CE) since the Current Estimate of the Previous SAR (PCE). Use Computational Model to provide explanations and dollar amounts for the Current Changes. Previous Changes are the aggregate totals for cost changes that have happened since the SAR Baseline.At the top, totals for SAR Baseline (i.e., Planning, Development, Production) appropriation categories and program total are shown. The SAR Baseline is the cost starting point for the program.Previous and Current Changes and Totals for the program are shown below the SAR Baseline.The SAR Baseline plus Previous Changes will always equal the Current Estimate of the previous SAR (PCE).The SAR Baseline plus Previous Changes plus Current Changes must always equal the CE, as entered into Cost and Funding. A SAR cannot be released to Congress if these do not match.The Cost and Funding CE totals are displayed below the Cost Variance CE totals so that it can be seen if all cost changes plus the SAR Baseline add to the Cost and Funding CE, as entered into the Cost and Funding.Any mismatches between the Cost Variance CE and the Cost and Funding CE will be displayed in magenta.Once all cost changes have been accounted for since the PCE, the Cost Variance CE will match the Cost and Funding CE. If the two do not match, then unexplained Cost Variance remains.To begin working on Cost Variance for this SAR, select the appropriation category that you want to work on from the navigation tree on the left under Computational Model. This will take you to the Computational Model Command Center for that appropriation category.	

Figure 99 - Cost Variance Summary Instructions Screen

A.2 Change Explanations Instructions

Change Explanation Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Change Explanations section.	
What do I have to do here?	
<p>This screen will allow you to rearrange and group change explanations for each funded acquisition category, as well as modify the text of their explanations and denote whether they are quantity related. Changes cannot be added, removed or have their value modified from this screen. To perform those actions, use Computational Model.</p>	
<ul style="list-style-type: none">The current acquisition category is displayed in a drop down. To change which acquisition category you are viewing, simply drop down the box and select a different acquisition category to view.Change explanations can be grouped into subtotals. To group change explanations which have not already been grouped, check the Select checkboxes for the explanations you want to group and click the Update button.To remove a grouping subtotal, simply click the "Break" link to the left of the subtotal.Change explanations are ordered in outline format. To change the order of the explanations, enter the new outline numbering for the changes you want to change and click the Update button.Change explanation text can be directly edited in the text box.Each change can be marked as quantity related or not by simply clicking the Quantity Related checkbox associated with it.When you are satisfied with your changes, click the Save button, or if you wish to revert back to the last save, click Cancel.	

Figure 100 - Change Explanations Instructions Screen

A.3 Command Center Instructions

Command Center Instructions	Hide
Where am I?	
<ul style="list-style-type: none">• You are at the Computational Model Command Center.• The Command Center is the heart of Computational Model and is the control center for all appropriation categories (e.g., RDT&E, Procurement).	
What do I have to do here?	
<ul style="list-style-type: none">• No data entry is required on this screen.• The goal in Computational Model is to explain all cost changes since the PCE and have zero Unexplained Variance remaining, both at the Total level and on a yearly basis.• Unexplained Variance expresses cost changes that remain unexplained for the Current Estimate (CE). Total Variance is the starting point, so Unexplained Variance is calculated by subtracting the amount of each Cost Variance category from Total Variance for each year.• Select the appropriation category that you want to work on from the navigaton tree on the far left under Computational Model.• Cost Variance numbers shown in the Command Center are the aggregate of all appropriations in the selected appropriation category. The total amount explained for each Cost Variance category is displayed in the Totals column.• Computational Model automatically calculates Total and Economic Variance for all appropriation cateteries. For Procurement, Compuational Model also automatically calculates, Quantity, Schedule and Support Variance.• There are links in the left column of the table below to each of the Cost Variance Categories. Click a link to work on that Cost Variance category. Alternatively you can navigate entirely through Comp Model by clicking the link on the bottom right to go to the next Cost Variance category indicated.	

Figure 101 - Command Center Instructions Screen

A.4 Total Variance Instructions

Total Variance Instructions Hide

Where am I?

- You are in the Computational Model Total Variance section.

What do I have to do here?

- No data entry is required.
- Total Variance is the delta between the CE and the PCE in both TYS and BY\$ (CE minus PCE) by fiscal year. The fiscal years are then summed to total TYS and total BY\$. Total Variance is calculated automatically by Computational Model and cannot be changed or edited. It is for review only.
- The aggregate of multiple appropriations is displayed below, along with the Total Variance for each appropriation.
- Click the Economic Variance link on the bottom right to continue to Economic Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

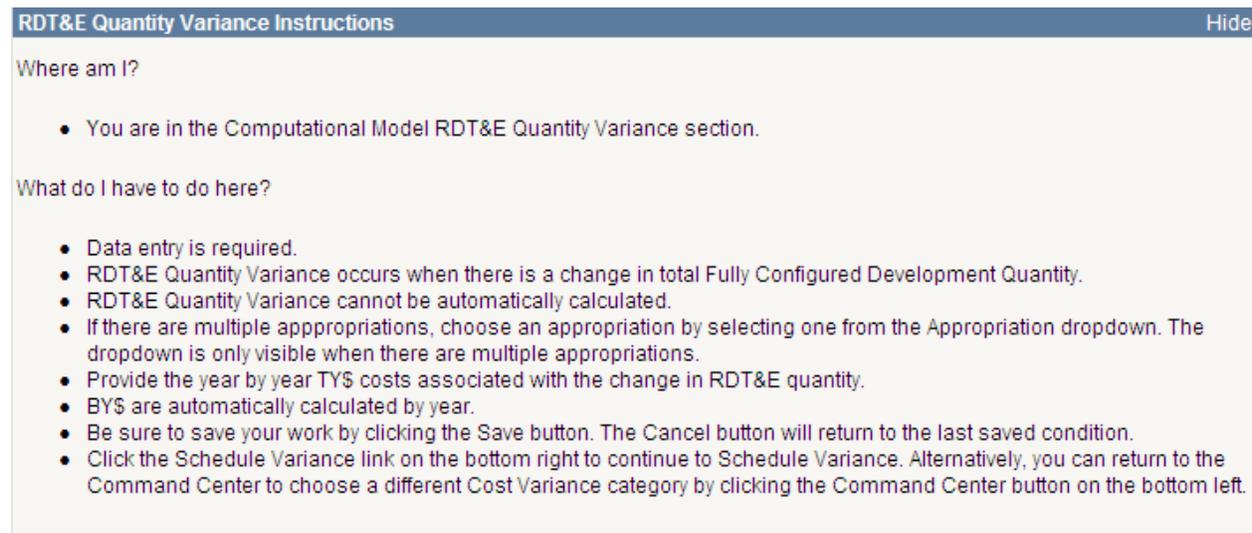
Figure 102 - Total Variance Instructions Screen

A.5 Economic Variance Instructions

Economic Variance Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Economic Variance section.	
What do I have to do here?	
<ul style="list-style-type: none">No data entry is required. Please review the Economic Variance answers below.Economic Variance is calculated using PCE BY\$. The calculation formula is: $(PCE\ BY\\$ * New\ Indices) - (PCE\ BY\\$ * Old\ Indices)$. The calculation is done for each fiscal year. This produces a TY\$ answer only and the fiscal years are summed to a total TY\$.There is no BY\$ component to Economic Variance.Economic Variance is calculated automatically by Computational Model and cannot be changed or edited.If there are multiple appropriations, there will be an aggregate answer that combines the Economic Variance for all appropriations. This aggregate answer is used for the single Economic Variance explanation that Computation Model automatically creates. In addition, each appropriation will have its own Economic Variance in the page below for review.For RDT&E, MILCON or O&M click the Quantity Variance link (below right) to continue to Quantity Variance. If you are viewing Economic Variance for Procurement, click the Quantity & Schedule Variance link on the bottom right to continue to Quantity & Schedule Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.	

Figure 103 - Economic Variance Instructions Screen

A.6 Quantity Variance Instructions



RDT&E Quantity Variance Instructions Hide

Where am I?

- You are in the Computational Model RDT&E Quantity Variance section.

What do I have to do here?

- Data entry is required.
- RDT&E Quantity Variance occurs when there is a change in total Fully Configured Development Quantity.
- RDT&E Quantity Variance cannot be automatically calculated.
- If there are multiple appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with the change in RDT&E quantity.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Schedule Variance link on the bottom right to continue to Schedule Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

Figure 104 - Quantity Variance Instructions Screen

A.7 Schedule Variance Instructions

Schedule Variance Instructions Hide

Where am I?

- You are in the Computational Model Nonprocurement Schedule Variance section (e.g., RDT&E, MILCON, etc).

What do I have to do here?

- Data entry is required.
- Schedule Variance is defined as a shift in the effort of RDTE&E, MILCON or O&M. The shift in effort could be a stretchout or an acceleration.
- Schedule Variance cannot be automatically calculated and must be entered in TY\$ by fiscal year by appropriation.
- If there are multiple appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the year by year TY\$ costs associated with Schedule Variance.
- BY\$ are automatically calculated by year.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Engineering Variance link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

Figure 105 - Schedule Variance Instructions Screen

A.8 Engineering Variance Instructions

Engineering Variance InstructionsHide

Where am I?

- You are in the Computational Model Engineering Variance section.

What do I have to do here?

- Data entry is required.
- Engineering Variance is caused by changes in the design or function of the system and cannot be automatically calculated by Computational Model.
- Costs are usually known in the Program Office by those that track ECPs.
- If there are multiple appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the Add Change button to begin and Computational Model will insert a "New Engineering Change" explanation.
- Do not use the "New Engineering Change" text in the explanation. Use words that speak to Engineering kinds of changes, like "Redesigned brake system due to ..."
- Provide any Engineering Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the Del column and click the Delete Change(s) button.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Other Variance link on the bottom right to continue to Other Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

Figure 106 - Engineering Variance Instructions Screen

A.9 Other Variance Instructions

Other Variance InstructionsHide

Where am I?

- You are in the Computational Model Other Variance section.

What do I have to do here?

- Data entry is required.
- Other Variance cannot be automatically calculated and must be entered in TY\$ by fiscal year by appropriation.
- Use of Other Variance is rare. For example, it is used in cases of Natural Disasters or Labor Strikes. Its use must be approved by OSD.
- Costs are known in the Program Office by those that track the cost of Other changes, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the Add Change button to begin and Computational Model will insert a New Other Change explanation.
- Do not use the "New Other Change" text in the explanation. Use words that speak to Other kinds of changes.
- Provide any Other Variance in TY\$ by fiscal year by appropriation below.
- BY\$ are automatically calculated by year.
- To delete an explanation, check the checkbox in the Del column and click the Delete Change(s) button.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Support Variance link on the bottom right to continue to Support Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.

Figure 107 - Other Variance Instructions Screen

A.10 Support Variance Instructions

RDT&E Support Variance Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model RDT&E Support Variance section.	
What do I have to do here?	
<ul style="list-style-type: none">No data entry is required, but additional changes can be added if needed.To add one or more additional Support Variance explanations, click the "Add/Edit RDT&E Support Changes" link below. Once you have added a Support Change, the link will no longer be visible, but the additional change(s) will be visible.RDT&E Support Variance is defined as the change in Support since the PCE. Normally, RDT&E can only have Support Variance if Flyaway and Support have been broken out in Cost and Funding for both the PCE and the CE. However, this breakout rarely occurs in RDT&E.If Flyaway and Support are broken out, Support Variance is automatically calculated for each appropriation. The answers cannot be changed or edited.If total RDT&E Support Variance equals zero, either there has been no change in Support, or Flyaway and Support has not been broken out in Cost and Funding.Click the Estimating Variance link on the bottom right to continue to Estimating Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.	

Figure 108 - Support Variance Instructions Screen

A.11 Estimating Variance Instructions

Estimating Variance Instructions Hide

Where am I?

- You are in the Computational Model Estimating Variance section.

What do I have to do here?

- Data entry is required.
- Estimating Variance reflects a change in estimating assumptions and cannot be automatically calculated by Computational Model.
- Costs are known in the Program Office by those that track changes to Estimating, usually the cost analyst.
- If there are multiple appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Click the Add Change button to begin and Computational Model will insert a New Estimating Change explanation.
- Do not use the "New Estimating Change" text in the explanation. Use words that speak to Estimating kinds of changes, like "Revised estimate due to..."
- Provide any Estimating Variance in TYS by fiscal year by appropriation below.
- BYS are automatically calculated by year.
- To delete an explanation, check the checkbox in the Del column and click the Delete Change(s) button.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Command Center link on the bottom right to return to the Command Center to review the results of your work in Computational Model.

Figure 109 - Estimating Variance Instructions Screen

A.12 Procurement Quantity & Schedule Variance Instructions

Quantity & Schedule Variance Main Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Quantity Variance Main section.	
What do I have to do here?	
<ul style="list-style-type: none">No data entry is required. Please notice the navigation near the top of this screen.The links found above allow navigation through various Quantity & Schedule Variance calculation and data entry options. Click a link to navigate to that page.Only three areas of Quantity & Schedule Variance allow data entry. All others are automatic calculations and cannot be changed or edited.<ul style="list-style-type: none">Manual Quantity/Schedule Overrides – Use this when the Computational Model answer is not accurate or because the Cost-Quantity Curves contain a mix of variant costs that cannot represent a true Learning Curve. When overriding, it is assumed that both Quantity and Schedule will be overridden.Additional Quantity Variance – Use this to enter Quantity Variance that is in addition to what Computational Model has calculated.Additional Schedule Variance – Use this to enter Schedule Variance that is in addition to what Computational Model has calculated.Computational Model automatically calculates whether or not there is Quantity and/or Schedule Variance, and presents a statement just above the table below that indicates which of the variances have occurred.The table below displays the Quantity streams for the CE and the PCE along with the totals. This information is review only and cannot be changed.If the Total Quantity changes then you have Quantity Variance. If the quantity went up, Quantity Variance is positive. If it went down, Quantity Variance is negative.If the buy profile changed between the CE and PCE, and it occurs in any year common to both the CE and PCE but it does not occur only in the last year, there is Schedule Variance.Click the Engineering Variance link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.	

Figure 110 - Procurement Quantity & Schedule Variance Instructions Screen

A.13 Procurement Cost Quantity Data Instructions

Cost Quantity Data Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Cost-Quantity Data section.	
What do I have to do here?	
<ul style="list-style-type: none">No data entry is required. Please review the information below for accuracy.The information presented here shows the data from the SAR Baseline and the PCE that is used to create the two Cost-Quantity Curves; the SAR Baseline Cost-Quantity Curve and the PCE Cost-Quantity Curve. These are also called Learning Curves.The data comes from the Quantity buy profile and End Item Related Flyaway (BY\$) aligned with Quantity for the SAR Baseline and the PCE.If Procurement is made up of multiple appropriations in either or both the SAR Baseline and PCE, the curves represent the the aggregate of all appropriations. The first table displays the aggregate data. Each appropriation's Cost-Quantity Curve is also displayed below for informational purposes, but these are NOT used to do the Quantity Variance calculations.	

Figure 111 - Procurement Cost Quantity Data Instructions Screen

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A.14 Procurement Cost Quantity Curve Instructions

Cost Quantity Curve Instructions

Hide

Where am I?

- You are in the Computational Model Cost-Quantity Curve (Learning Curve) section.

What do I have to do here?

- No data entry is required. Please review the Cost Curve information below.
- In the Chart below the two Cost-Quantity Curves have been plotted. These are also called Learning Curves.
- If Procurement is made up of multiple appropriations in either or both the SAR Baseline and PCE, the curves represent the the aggregate of all appropriations. Quantity Variance is automatically calculated separately for each appropriation, but the aggregate curve is used to do the calculation.
- The SAR Baseline Learning Curve produces True Quantity Variance. By definition True Quantity Variance does not include other changes in cost (e.g., Schedule, Engineering, Estimating, etc.).
- The PCE Learning Curve produces Total Quantity Variance, and it contains all flyaway cost changes since the SAR Baseline, including Schedule, Engineering, Estimating and Other changes.
- The area between the two curves visually represents the delta between True and Total Quantity Variance. This delta must be allocated to those flyaway Cost Variance categories that caused cost change in the past. Please refer to Quantity Allocations for more information on allocations. Click the Quantity Allocations link above to view how the delta is allocated.

Figure 112 - Procurement Cost Quantity Curve Instructions Screen

A.15 Procurement Quantity Variance Instructions

Quantity Variance Instructions	Hide
Where am I?	
<ul style="list-style-type: none">You are in the Computational Model Quantity Variance section.	
What do I have to do here?	
<ul style="list-style-type: none">No data entry is required. Please review the Quantity Variance answers below.Computational Model automatically calculates Quantity Variance, using the SAR Baseline (SAR BL) Cost Curve and the PCE Cost Curve, and provides both the True Quantity Variance (SAR BL) and the Total Quantity Variance (PCE) answers.The delta between the two answers is allocated back to the flyaway Cost Variance categories that contributed to cost change in the past.This information is review only and cannot be changed or edited.If the answers provided by Computational Model do not represent your actual Quantity Variance, you may override Comp Model's answers with your own by filling out Quantity and Schedule Overrides.If you have additional Quantity Variance that must be declared, you may provide that additional Quantity Variance by filling out Additional Quantity Variance.	

Figure 113 - Procurement Quantity Variance Instructions Screen

DRAMA

A.16 Procurement Quantity Allocations Instructions

Quantity Allocations Instructions

Hide

Where am I?

- You are in the Computational Model Quantity Allocations section.

What do I have to do here?

- No data entry is required. Please review the Quantity Allocations answers below.
- If there is Quantity Variance in the CE, Computational Model automatically calculates Quantity Allocations and provides a Change Explanation for each allocation. The Allocation information on this page cannot be changed or edited in accordance with OSD guidance.
- Quantity Allocation explanations can be reviewed by clicking the Change Explanations link in the Cost Variance navigation tree on the left.
- Allocations are done by allocating a portion of the Amount to Allocate back to the flyaway Cost Variance categories that contributed to cost change in the past. Each flyaway category's portion is calculated using the percentage that each category contributed to Total Previous Changes. This is done for each appropriation that experiences a total quantity change.
- The flyaway Cost Variance Categories are:
 - Schedule
 - Engineering
 - Estimating
 - Other
- There are rules or exceptions to performing Quantity Allocations. If one of the rules is broken, the explanation for that rule is displayed on this screen, and no allocations will be performed.

Figure 114 - Procurement Quantity Allocations Instructions Screen

A.17 Procurement Manual Quantity/Schedule Override Instructions

Manual Quantity/Schedule Override Instructions

Hide

Where am I?

- You are in the Computational Model Manual Quantity Variance Overrides section.

What do I have to do here?

- Data entry is required.
- Manual overrides to Quantity & Schedule Variance should be used when the Computational Model Learning Curve calculated Quantity Variance answer does not provide an acceptable answer.
- There are several possible reasons why an acceptable answer cannot be provided, and they are all Learning Curve related.
 - Each lot buy has a mix of variants that have significantly different unit costs. In this case, the Learning Curve cannot differentiate between variants and cannot accurately produce Quantity Variance because the BY\$ Recurring Flyaway is an amalgam of the variants costs.
 - The Learning Curve is inaccurate because the lot buy costs that produce the plot points for the curve vary widely from lot buy to lot buy, and thus do not conform to Learning Curve theory. This means that the Learning Curve calculations provide a less than accurate answer because the curve and actual costs are too unrelated.
 - Unique aberrations in unit cost cannot be taken into consideration by the Learning Curve calculations.
- It is assumed that if Quantity Variance is overridden, Schedule Variance will also be overridden. Please take this into consideration.
- If there are multiple Procurement appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide the actual Quantity Variance costs in TYS by fiscal year for both the SAR Baseline (True Quantity Variance) and PCE (Total Quantity Variance) by appropriation. This is important because Allocations should be performed on this information just as it is with the calculated answer. Keep in mind that Quantity Allocations are automatically marked as Quantity Related. This should not be altered, in accordance with OSD guidance.
- BY\$ are automatically calculated by year.
- The overrides here will replace the calculated answers and Change Explanations will reflect the override answers.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.
- Click the Engineering Variance link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.
- Please call the DAMIR Hotline at 703-679-5345 with questions about overriding Quantity and Schedule Variance.

Figure 115 - Procurement Manual Quantity/Schedule Override Instructions Screen

A.18 Procurement Additional Quantity Variance Instructions

Additional Quantity Variance Instructions	Hide
Where am I?	
<ul style="list-style-type: none">• You are in the Computational Model Additional Quantity Variance section.	
What do I have to do here?	
<ul style="list-style-type: none">• Data entry is required.• Additional Quantity Variance is sometimes required when fact of life changes to the program dictate it. It will always be in addition to and separate from the calculated Quantity Variance.• Some examples of why Additional Quantity Variance might be necessary are:<ul style="list-style-type: none">○ When there is quantity change in an undefined subsystem that is not a part of the unit of measure for the Program, thus not associated with calculated Quantity Variance.○ Other unique conditions not represented in the Learning Curve.• If there are multiple Procurement appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.• Provide any additional Quantity Variance in TYS by fiscal year below by appropriation.• BY\$ are automatically calculated by year.• Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.• Click the Engineering Variance link on the bottom right to continue to Engineering Variance. Alternatively, you can return to the Command Center to choose a different Cost Variance category by clicking the Command Center button on the bottom left.	

Figure 116 - Procurement Additional Quantity Variance Instructions Screen

A.19 Procurement Schedule Variance Instructions

Schedule Variance Instructions

Hide

Where am I?

- You are in the Computational Model Procurement Schedule Variance section.

What do I have to do here?

- No data entry is required.
- Schedule Variance for Procurement is defined as a shift in the buy profile in the CE that is in a year or years common to both the PCE and CE, except when it occurs only in the last year. It is automatically calculated using End Item Related BY\$ Flyaway aligned with quantity from the CE and the PCE.
- If the only change in the buy profile occurs in the last year, the change, by definition, is a Quantity change and not a Schedule change.
- Terms that will help you understand the calculation are listed below. In all cases the terms refer to End Item Related Flyaway BY\$ aligned with quantity.
 - NSNQ – New Schedule New Quantity refers specifically to the CE.
 - OSOQ - Old Schedule Old Quantity refers specifically to the PCE.
 - NSOQ – New Schedule Old Quantity refers to spreading the old flyaway dollars according to the New Schedule until it runs out.
 - OSNQ – Old Schedule New Quantity refers to spreading the new flyaway according to the Old Schedule until it runs out.
- Schedule change must be isolated from Quantity change to produce the correct answer. The steps below describe the process.
 1. NSNQ – OSOQ equals Quantity and Schedule Variance combined. Quantity must be held constant while Schedule Variance is isolated.
 2. NSNQ – OSNQ holds Quantity constant while isolating Schedule Variance.
 3. NSNQ is the CE, so Comp Model fills a set of years with OSNQ until it runs out, and then year by year subtracts OSNQ from NSNQ. Any deltas that occur are in BY\$.
 4. The year by year positive and negative deltas that result will always add to zero for the BY\$ Total Schedule Variance. So, by definition, Procurement Schedule Variance has no BY\$ component.
 5. These BY\$ deltas are multiplied by the CE indice to produce the variance in TY\$. This will always be a non zero number.
- Primarily, Schedule Variance reflects the inflationary results caused by the shift in the year by year quantity buy profile.
- Computational Model inserts an explanation that states that there has been an "Acceleration" or "Stretchout" of Procurement buy profile". You are encouraged to clarify the explanation by providing more detailed information on the shift in buy profile.

Figure 117 - Procurement Schedule Variance Instructions Screen

A.20 Procurement Additional Schedule Variance Instructions

Additional Schedule Variance Instructions

Hide

Where am I?

- You are in the Computational Model Additional Schedule Variance section.

What do I have to do here?

- Data entry is required.
- Additional Schedule Variance is sometimes required when fact of life changes to the program dictate it. It will always be in addition to and separate from the calculated Schedule Variance.
- Some examples of why Additional Schedule Variance might be necessary are:
 - Contractor fees for altering the buy profile after lot buy cost has been negotiated.
 - Keeping a plant open during the year that a quantity buy has been cancelled.
 - Other additional Schedule costs not covered by standard Schedule Variance calculations.
- If there are multiple Procurement appropriations, choose an appropriation by selecting one from the Appropriation dropdown. The dropdown is only visible when there are multiple appropriations.
- Provide any additional Schedule Variance in TY\$ by fiscal year below by appropriation.
- BY\$ are automatically calculated by year.
- Additional Schedule Variance has both TY\$ and BY\$ components.
- Be sure to save your work by clicking the Save button. The Cancel button will return to the last saved condition.

Figure 118 - Procurement Additional Schedule Variance Instructions Screen

APPENDIX B ERROR MESSAGES

When a user runs the Data Check module—the program that examines your SAR for errors—it generates error messages as appropriate. This section identifies those messages and provides guidance for corrective action for the SAR. The message number for a data check will help you locate the appropriate message and corrective action. It may not be obvious to you. The error message number may be displayed by placing the cursor over the message icon and letting it hover ( , for example).



The software will display the error message number as shown below:



Figure 119 - Display Error Message Number

Error messages are issued with the following three severity types:

Severity	Icon	Meaning
Critical Data Quality		Data is missing, inconsistent, etc. This must be corrected for your submission to be acceptable.
Warning Informational		This warning indicates that DAMIR is warning you about a possible issue.
Critical Program Health		This program heart is communicating program information for your review (i.e.: schedule breach, etc.).

As well as the following three severity levels:

Severity	Icon	Meaning
Critical		This red flag indicates that the problem must be corrected for your submission to be acceptable.

Warning		This yellow flag indicates that DAMIR is warning you about a possible issue.
Informational		This green flag indicates that DAMIR is communicating pertinent information for your review.

If you cannot resolve the issue, feel free to call the DAMIR hotline at (703) 679-5345.

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B.1 Critical Messages

These issues must be resolved before the SAR can be accepted. The content of the Corrective Action column should be helpful so that you can solve the issue yourself.



Table 49 - Critical Error Messages

#	Section	Message	Corrective Action
157	Cost Variance	The total of the SAR Baseline, previous changes, and current changes in Cost Variance (CV) must be equal to the current estimate in Cost and Funding (C&F). {0}	This indicates that an Unexplained variance remains. The Computational Model automatically calculates Economic, Procurement Quantity, Procurement Schedule, and Procurement Support. You must explain all remaining variance by year in Engineering, Other (with OSD approval) or Estimating. Every year must have zero unexplained variance in all appropriations.
187	Cost Variance	If the current estimate for quantity of end item reported in Cost and Funding is not equal to the previous current estimate, current changes for quantity variance must not equal zero. {0}	The Computational Model automatically calculates Quantity Variance. The only way this could occur is if the calculated Quantity Variance is overridden by the user. Check that in the process of overriding Quantity Variance you have not set Quantity Variance to zero. There must be Quantity Variance if Quantity has changed since the PCE.
200	Cost Variance	The difference between the SAR Baseline support and the Current Estimate support in Cost and Funding (C&F) must equal the total support changes (CV) (previous plus current). {0}	
218	Cost Variance	The following change explanations have bracketed text in them. Please review the explanations and remove the bracketed text. {0}	

B.2 Warning Messages

DAMIR is warning you about a possible issue. No corrective action is required.

Table 50 - Warning Error Messages

#	Section	Message	Corrective Action
179	Cost Variance	If the current estimate for quantity reported in Cost & Funding is equal to the previous current estimate, the current changes for quantity variance must equal zero. Please check subprogram(s): {0}	The Computational Model automatically calculates Quantity Variance. The only way this could occur is if the calculated Quantity Variance is overridden by the user. Check that in the process of overriding Quantity Variance you have not set Quantity Variance to positive or negative incorrectly and correct accordingly.
193	Cost Variance	When the quantity of a subprogram decreases, the quantity variance must be a negative number. When the quantity of a subprogram increases, the quantity variance must be a positive number. Please check subprogram(s): {0}	This cannot normally happen in DAMIR except and unless the current SAR is a Phase I SAR with a new Base Year or a Phase II SAR. If the current SAR is not a Transition SAR, please contact the DAMIR Hotline at 703-679-5345 for help in solving this problem.
201	Cost Variance	The previous changes in a SAR for each cost category (RDT&E, Procurement, MILCON, O&M, WCFC, WCFO, ORFC AND ORFO) must be equal to the current changes plus the previous changes in the prior SAR with the exception of a Phase I OR Phase II Transition SAR. Please check subprogram(s): {0}	If this is not a Phase I Transition SAR with a new Base Year, then Support Variance was incorrectly reported in a prior SAR. It can only be fixed in the current SAR. A special explanation that corrects the alignment of Flyaway and Support must be entered by the user. This explanation will not eliminate the data check in the current SAR, but the data check will go away in the next SAR. Call the DAMIR Hotline at 703-679-5345 for help with providing this special explanation.
205	Cost Variance	The support category in previous changes should be equal to the previous current estimate for support minus support in the SAR Baseline in the previous current estimate with the exception of a phase I transition SAR whose milestone APB is in a new base year. Please check subprogram(s): {0}	Be sure that you have obtained permission from OSD to use the Other Variance category for the current SAR. If you have not, you must move the variance to Estimating and provide an explanation that is appropriate to Estimating.

#	Section	Message	Corrective Action
206	Cost Variance	Very rarely is the "Other" variance category used in SARs, and only then with OSD permission.	
211	Cost Variance	When a SAR has a nonzero quantity variance, it should also have quantity allocations to other flyaway cost variance categories (i.e. Schedule, Engineering, Other, Estimating). Please check subprogram(s): {0}	
212	Cost Variance	Changes in base-year (BY) and then-year (TY) dollars for the identified explanation have opposite signs. This is normally not the case. Please check subprogram(s): {0}	
251	Cost Variance	An economic change has been reported in this quarterly SAR. Economic changes (except for corrections) do not occur in quarterly SARs. {0}	

B.3 Informational Messages

DAMIR is communicating pertinent information for your review. No corrective action is required.

Table 51 - Informational Error Messages

#	Section	Message	Corrective Action
None			

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