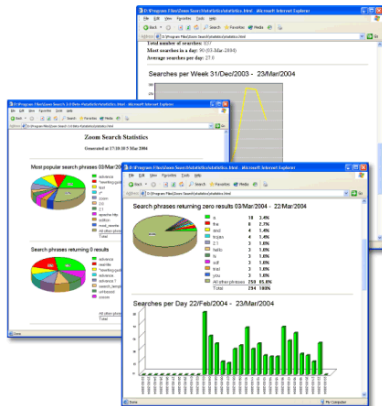


“Stimulus Projects Planning and Reporting”

By
Sami Jaroudi
ARES Corporation

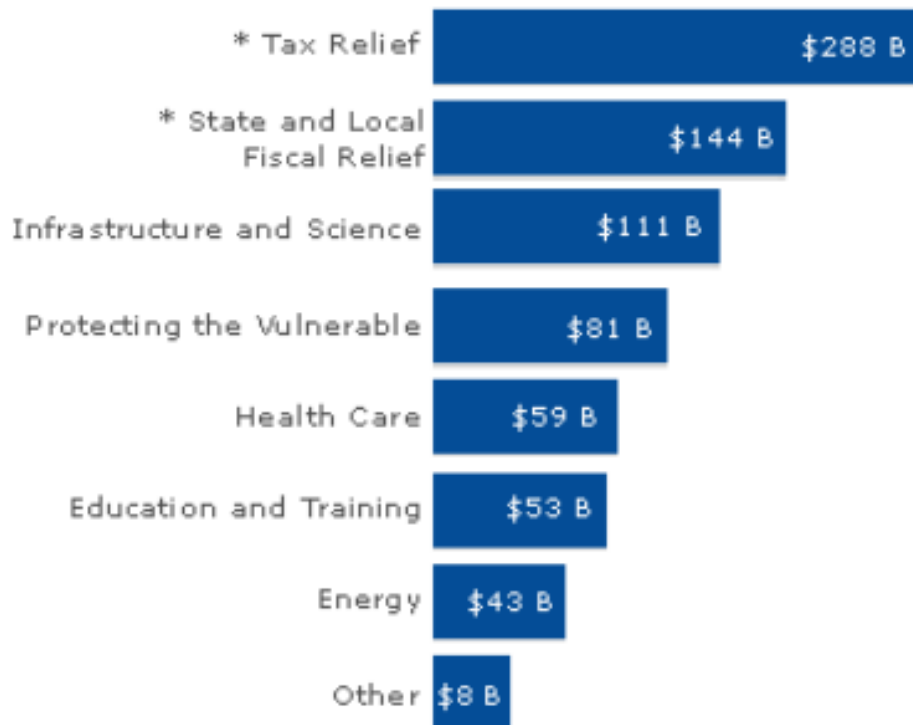


PRISM
PROJECT MANAGER

www.arescorporation.com

History and Timeline of Stimulus 2009

The Stimulus Package is \$787 Billion - Where will the Money Go?



** Tax Relief - includes \$15 B for Infrastructure and Science, \$61 B for Protecting the Vulnerable, \$25 B for Education and Training and \$22 B for Energy, so total funds are \$126 B for Infrastructure and Science, \$142 B for Protecting the Vulnerable, \$78 B for Education and Training, and \$65 B for Energy.*

Stimulus 2010 ?




All Tax Payers' Monies Must Be Tracked.....

Coming Soon - Stimulus 2

Coming Soon: Congress Is Back With 'Stimulus-2'

TOPICS: [Taxes](#) | [Politics & Government](#) | [Interest Rates](#) | [Inflation](#) | [Ben Bernanke](#) | [Employment](#) | [Consumers](#) | [Federal Reserve](#) | [Federal Budget \(U.S.\)](#) | [Economy \(Global\)](#) | [Economy \(U.S.\)](#)

By: Albert Bozzo, Senior Features Editor

Text Size  

Washington, taking a page out of Holly the sequel.

And unhappy, tapped-out taxpayers—the second fiscal package as soon as Washington for a lame-duck session under President.

Stimulus 2: Can more spending spur a recovery?

Many economists agree another stimulus package is necessary. Some are skeptical about its benefits.

Print |  Buzz up! | [Permissions](#) |  Email and share |  RSS

By *David R. Francis* /

"It pays to be bold," write two Wall Street economists, Jan Hatzius and Ed McKelvey of famed Goldman Sachs Group. They suggest a \$300 billion to \$500 billion package "to offset the sharp drop in spending relative to income by US households and business that is now underway due to the tightening of financial conditions."

Goal for the Stimulus Package

The goal is for the Package to accomplish the following:

- Create or save more than 3.5 million jobs over the next two years;
- Take a big step toward computerizing Americans' health records, reducing medical errors, and saving billions in health care costs;
- Revive the renewable energy industry and provide the capital over the next three years to eventually double domestic renewable energy capacity;
- Undertake the largest weatherization program in history by modernizing 75 percent of federal building space and more than one million homes;
- Increase college affordability for seven million students by funding the shortfall in Pell Grants, increasing the maximum award level by \$500, and providing a new higher education tax cut to nearly four million students;
- As part of the \$150 billion investment in new infrastructure, enact the largest increase in funding of our nation's roads, bridges, and mass transit systems since the creation of the national highway system in the 1950s;
- Provide an \$800 Making Work Pay tax credit for 129 million working households, and cut taxes for the families of millions of children through an expansion of the Child Tax Credit;
- Require unprecedented levels of transparency, oversight, and accountability.



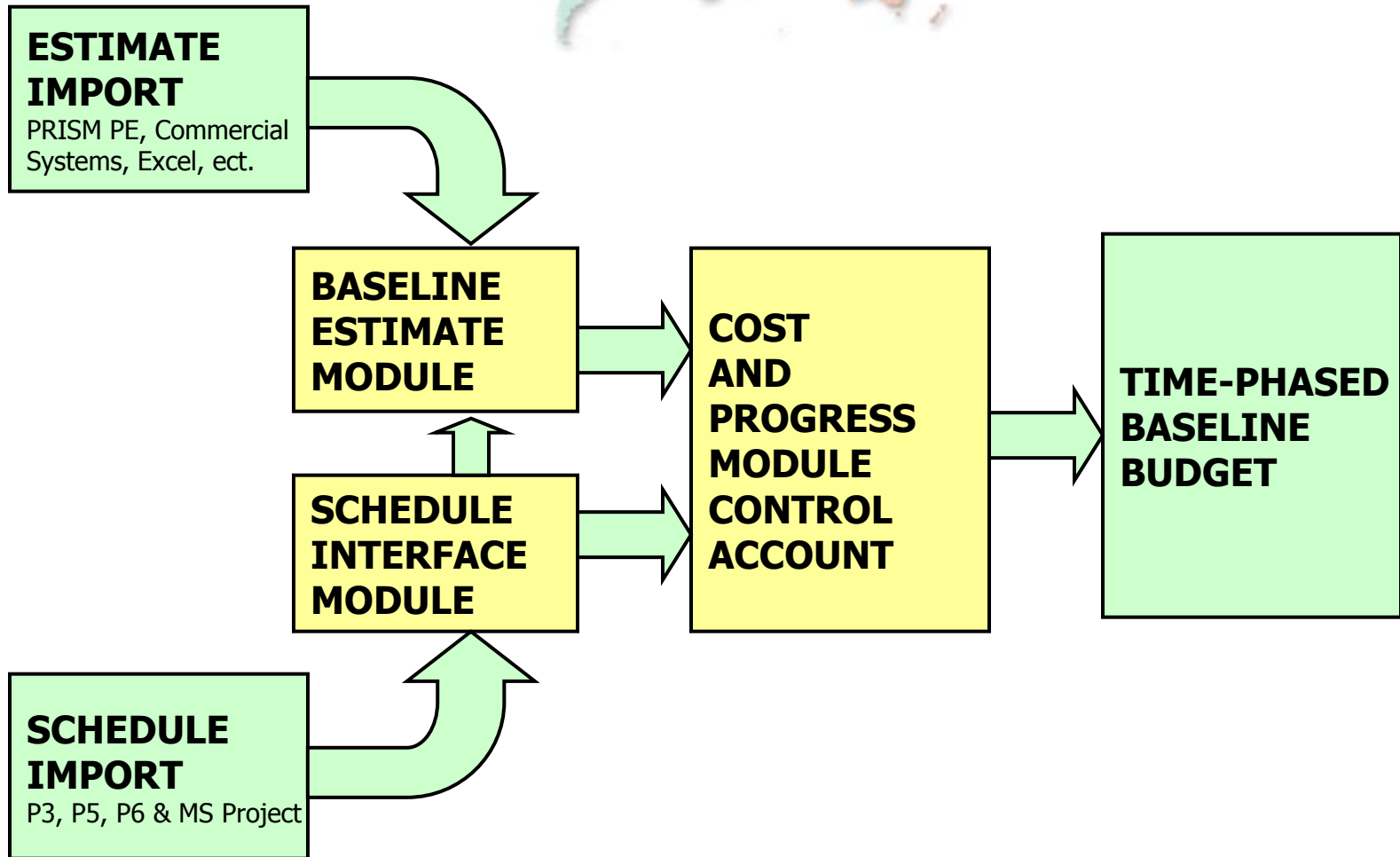
A world map is centered in the background, overlaid on a grid of colored squares that transition from orange on the left to purple on the right. The title 'Financial Management' is written in a large, bold, dark blue font across the top of the map.

Financial Management

- **Financial management and State oversight of local projects will be areas of particular attention.**

Source: txdot.gov

Cost & Schedule Integration



A world map is centered in the background, overlaid on a grid of colored squares that transition from orange on the left to purple on the right. The title 'Future of Reporting' is written in a large, bold, dark blue font across the top of the map.

Future of Reporting

- More Public & Top Management Oversight
- Contractors Tracking Tools Analyzed
- EVMS Applications more widely used

EVMS Reporting Compliancy



- *A contractor Earned Value Management System (EVMS) compliant with the current version of American National Standards Institute/Electronic Industries Alliance Standard 748 (ANSI/EIA-748)—a.k.a. Industry Standard (as interpreted by the Guidelines Intent document for complex high-risk projects) will be required whenever EVM is required.*



EVMS Requirements...

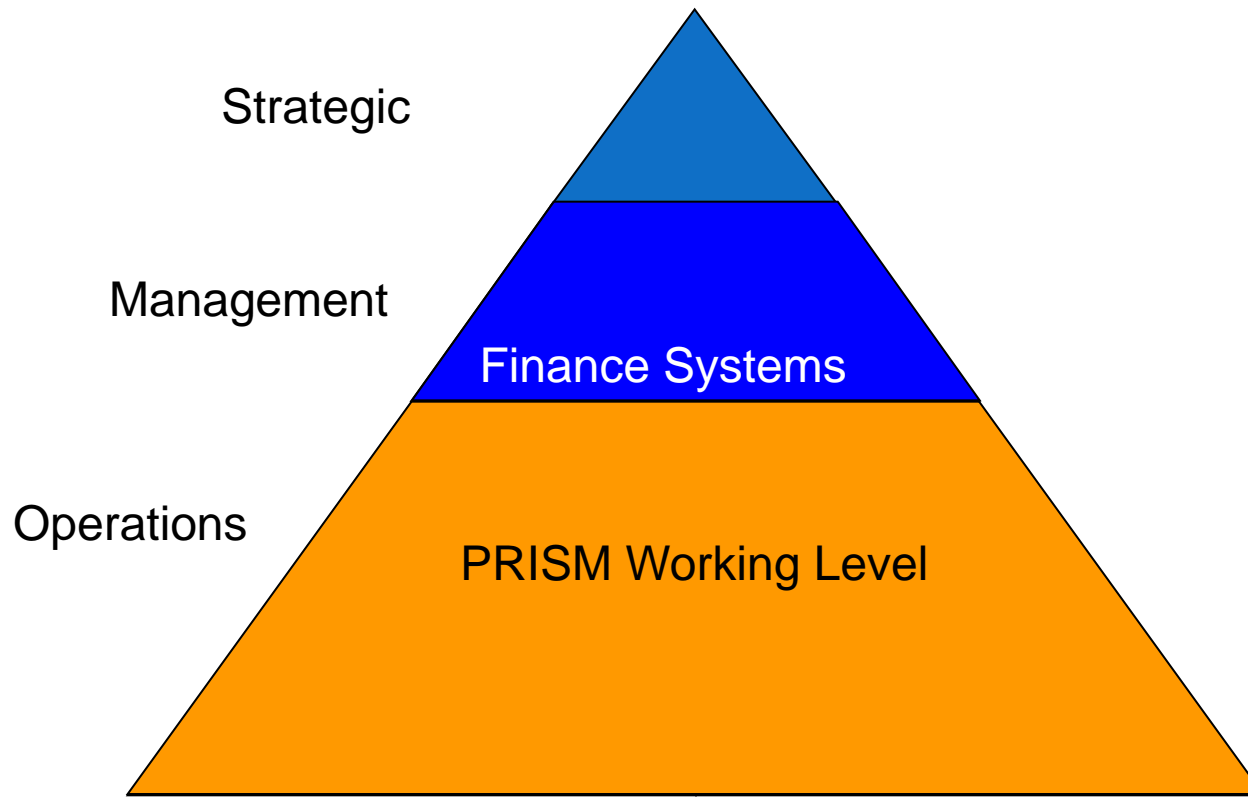
- Earned Value Management System (EVMS) in compliance with guidelines in ANSI/EIA-748* is required on all cost or incentive contracts equal to or greater than \$20M.
- A formally validated and accepted EVMS is required for cost or incentive contracts equal to or greater than \$50M.
- EVM is discouraged for Firm-Fixed Price (FFP) contracts, except when a FFP contract equal to or greater than \$20M is used for development work. Exception requires business case and Milestone Decision Authority waiver.
- EVM may be imposed on contracts less than \$20M as a risk-based decision of the program manager based on a cost/benefit analysis.

PRISM Project Manager ensures Compliancy with ANSI 748-98 EVMS guidelines

A world map is centered in the background of the slide, showing the continents in various colors. The map is overlaid on a grid of colored squares that transitions from orange on the left to purple on the right.

- Supports ANSI 748-98 certification process
- Is currently in use throughout the DOE community
- Is used by EVMS-Certified contractors
- Can generate standard CPR Formats 1 through 5
- Can generate Department of defense ex: NASA 533M/Q reports
- Provides built-in options for using government EVM terminology

PRISM Reporting at the Operations Level

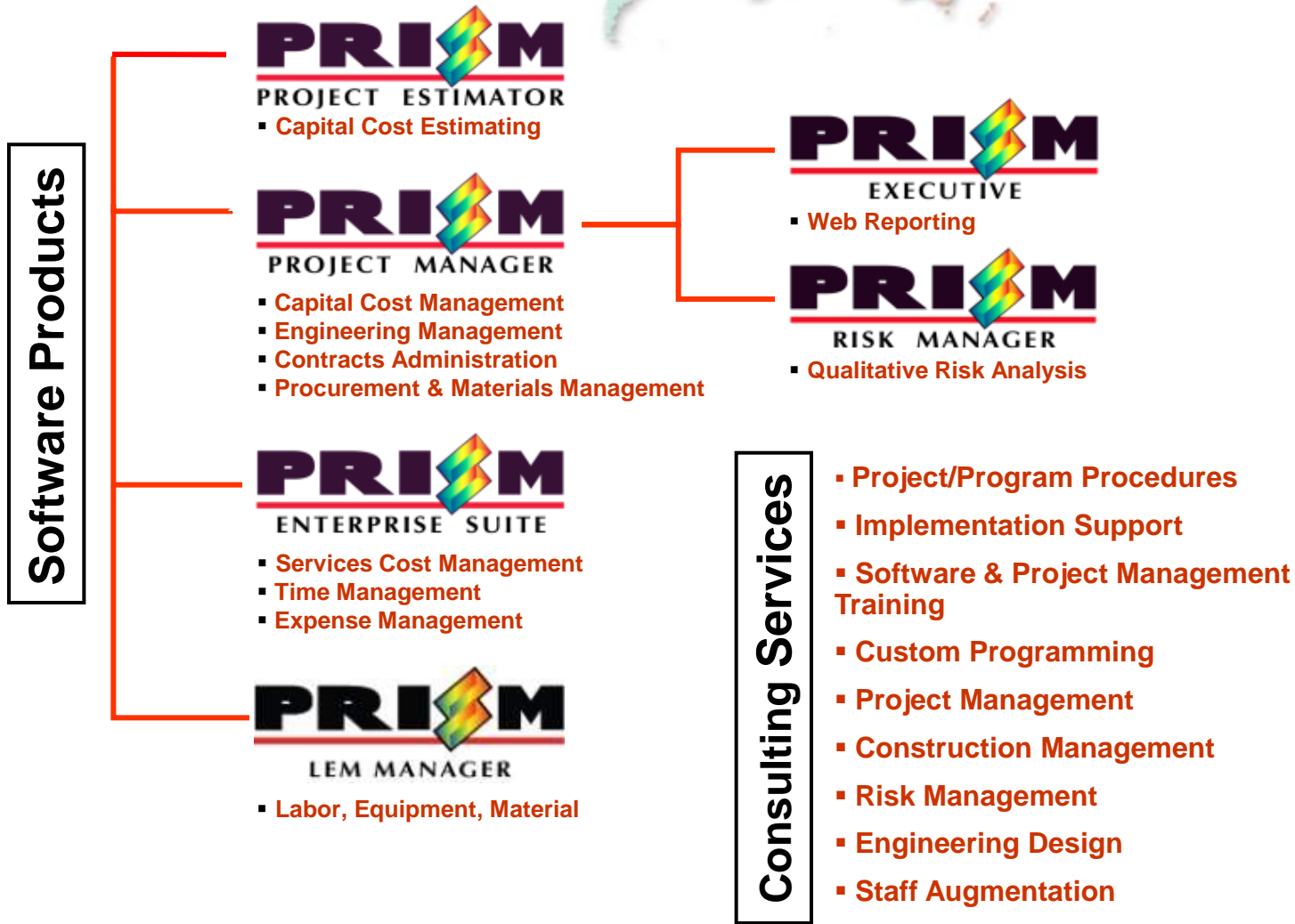


Requirements of a Cost System

A world map is centered in the background of the slide, showing the continents of North America, South America, Europe, Africa, and Australia. The map is overlaid on a grid of colored squares that transition from orange on the left to purple on the right.

- Needs to be flexible
 - for in-house and sub-contractor financial systems
- Will integrate with other systems
- Has multi-user concurrent access
- Will work via LAN, WAN or Internet
- Has built-in security
- Uses EVPM for progress and performance measurement

Software Plus Resources.....



Data Integration is Key to Accuracy and Security



What Will PRISM Do?

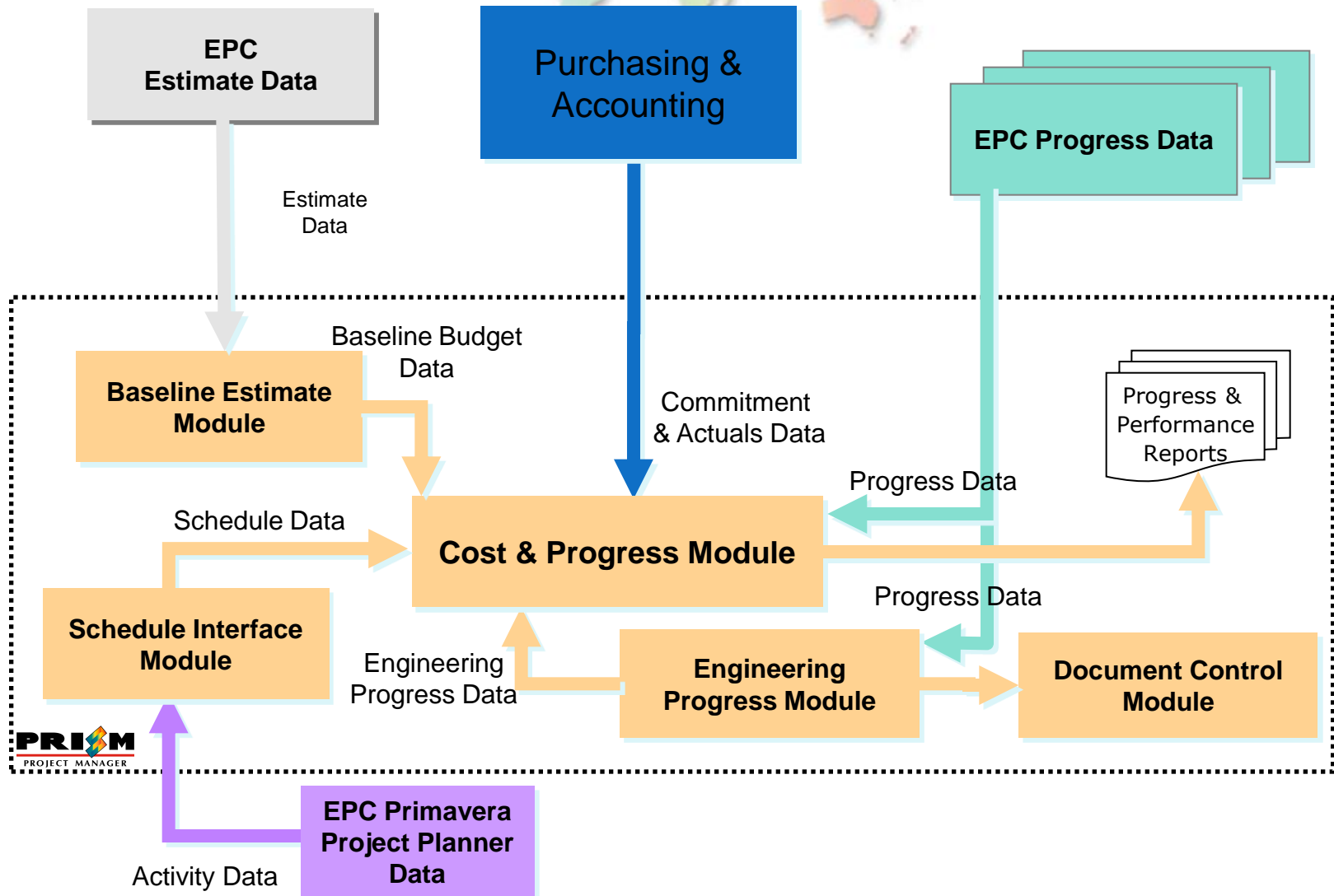
A world map is centered in the background, overlaid on a horizontal gradient of colors from orange on the left to purple on the right. The map shows the continents in a light, semi-transparent style.

- Baseline Control Budget
- Time-Phased Budgets
- Manage hours, quantities and costs
- Progress Measurement
- Earned Value Performance Measurement
- Trending & Change Control
- Funding Control
- Variance Analysis
- Forecasting
- Reporting

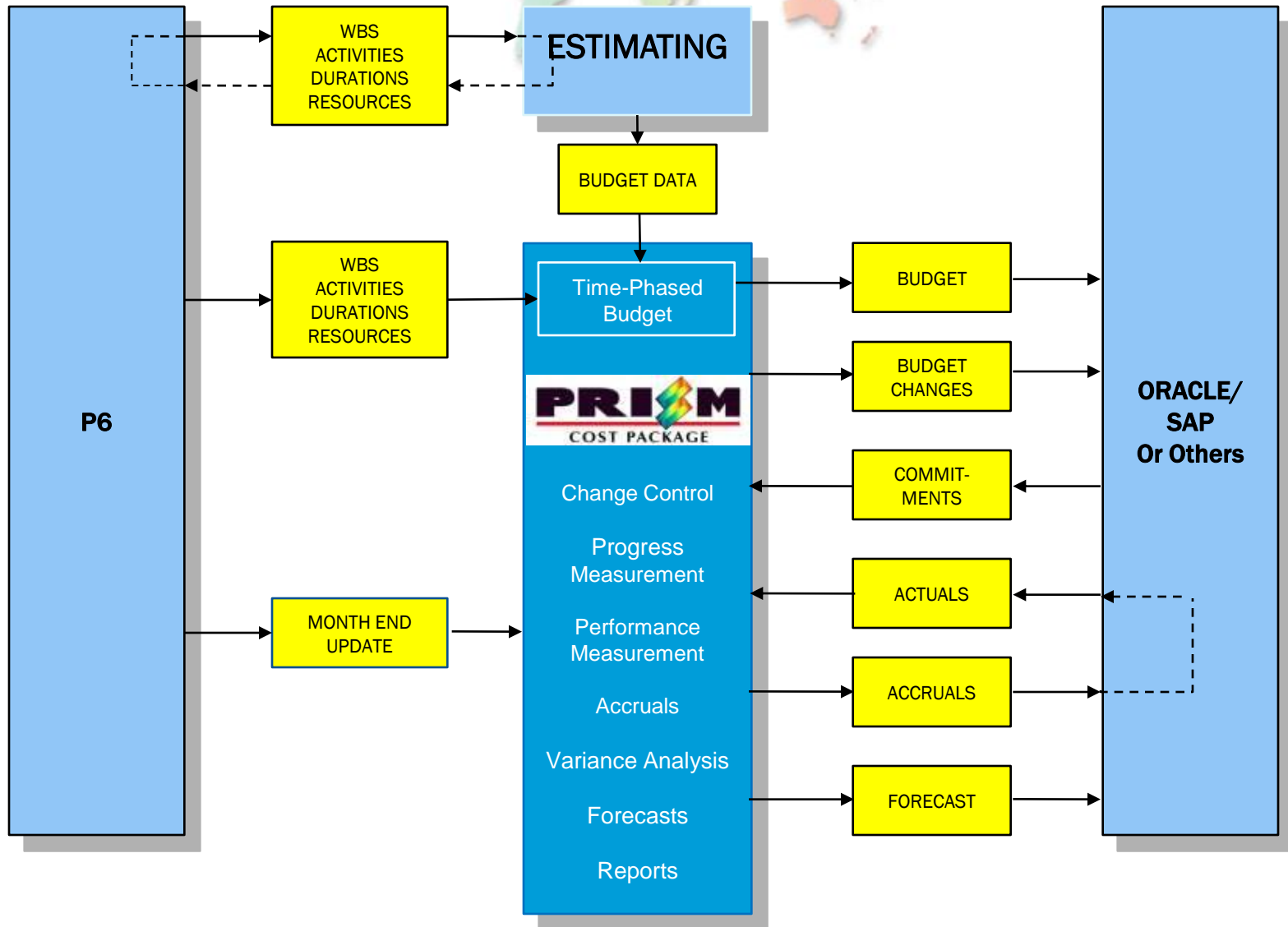
Schedule Interface Module

- Maintain current and approved schedule activity and resource data
- Enter dates directly or seamless interface with:
 - Primavera P3, P5, P6, & MS Project
- Many-to-many relationship from schedule activity to Control Account
- Link schedule activity dates with engineering deliverables and procurement activities

Project Management Data Flow



Project Controls Configuration





Software + Processes

20 / 80 Rule

Proper Tools Plus Processes
Make a Successful Project
Life Cycle

Project Management Procedures

Over 50 pre-defined procedures available to cover all phases and aspects of the project lifecycle

Project Definition

Project Planning

Project Design

Fabrication/Construction

Testing and Turnover

Operations

Decommissioning

ARES Provides:

- **Integrated PM**
- **Graded approach to PM**
- **On-call expertise as needed**

Project Lifecycle



Procedures To Go

ARES CORPORATION

PROJECT CONTROLS PROCEDURE

PROCEDURE NUMBER: PCG 01:04:00
REVISION: Revision 0
EFFECTIVE DATE:

WORK BREAKDOWN STRUCTURE

1 PURPOSE

The Work Breakdown Structure (WBS) is required to develop and maintain the WBS and the WBS Index. The WBS is required to develop and maintain the WBS and the WBS Index. The WBS is required to develop and maintain the WBS and the WBS Index.

- To develop a framework for controlling the project.
- To provide the structure for the project in the manner it is to be controlled.
- To provide a framework for identifying the project to establish cost account responsibilities.
- To provide a means for integrating work and elements of cost.
- To establish a WBS Index for the subdivisions of the WBS and the WBS Index.

2 SCOPE

2.1 Work Breakdown Structure. The Work Breakdown Structure for the project (entry) for each WBS element.

2.2 Standard Business Methodology. The methodology that allows flexible project purpose is to maximize project efficiency.

ARES CORPORATION

PROJECT CONTROLS PROCEDURE

PROCEDURE NUMBER: PCG 01:03:00
REVISION: Revision 0
EFFECTIVE DATE:

BASELINE DEVELOPMENT

1 PURPOSE

This procedure provides guidelines and instructions for any project. It addresses both fiscal and technical aspects and also defines the responsibilities and procedures for project baselines.

2 SCOPE

2.1 Baseline Development Process. The process of developing the project scope, budget, and development process includes the development of a Construction Project Data Sheet (CPDS) and a Construction Project Data Sheet (CPDS) for Energy (DOE). The project is funded by DOE, and it is implemented by DOE.

2.2 Baselines. For project construction, the Construction Project Data Sheet (CPDS) is used for authorization documentation. Critical budget/schedule constraints as determined by DOE.

2.3 Funding. The baselines for this funding received from the approved DOE.

ARES CORPORATION

PROJECT CONTROLS PROCEDURE

PROCEDURE NUMBER: PCB 03:05:00
REVISION: Revision 0
EFFECTIVE DATE:

BASELINE CHANGE CONTROL

1 PURPOSE

1.1 This procedure defines the process by which the cost and schedule baseline data is revised as required by the Project. It provides guidelines and detailed instructions for revising the Project Budget Base and Performance Measurement Baseline data. It establishes methods, defines responsibilities and provides example forms and reports for revisions.

1.2 The purpose of this procedure is to identify responsibilities and establish requirements for the preparation and processing of changes to Project Baselines (i.e., technical, cost and schedule).

1.3 To the extent applicable, this procedure complies with and implements the configuration control requirements outlined and are fully responsive to DOE Order 430.1A, Life Cycle Asset Management, and DOE Good Practice Guides.

2 SCOPE

2.1 This procedure applies to all Projects. No organization shall revise or request a revision to the Project Budget Baseline (PBB) or to the Performance Measurement Baseline (PMB) without the approval of the Project Manager.

Format 1 CPR

COST PERFORMANCE REPORT - FORMAT 1

COST IN USD

PAGE 1

1. CONTRACTOR								2. CONTRACT				3. PROGRAM				4. REPORT PERIOD			
a. NAME								a. NAME				a. NAME				a. FROM (YYYY/MM/DD)			
b. LOCATION (Address and ZIP Code)								b. NUMBER				b. PHASE (X one) <input type="checkbox"/> RDT&E <input type="checkbox"/> PRODUCTION				2008/05/01			
c. TYPE				d. SHARE RATIO				b. TO (YYYY/MM/DD)								2008/05/31			
5. CONTRACT DATA																			
a. QUANTITY		b. NEGOTIATED COST		c. EST. COST OF AUTH. UNPRICED WORK		d. FEE % / TARGET PROFIT		e. TARGET PRICE		f. ESTIMATED PRICE		g. CONTRACT CEILING		h. ESTIMATED CONTRACT CEILING					
0		0		0		0		0		0		0		0					
6. ESTIMATED COST AT COMPLETION								7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial)				b. TITLE							
a. BEST CASE		1,308,278				30		c. SIGNATURE								d. DATE SIGNED (YYYY/MM/DD)			
b. WORST CASE		1,308,278																	
c. MOST LIKELY		1,308,278																	
8. PERFORMANCE DATA																			
CSI DIVISION 1		DESCRIPTION (1)		CURRENT PERIOD					CUMULATIVE TO DATE					AT COMPLETION					
				BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		BUDGETED (12)	ESTIMATED (13)	VARIANCE (14)			
				WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULED (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULED (10)	COST (11)						
01 General Requirements		0	0	0	0	0	0	0	0	0	0	44,665	44,665	0					
02 Existing Conditions and Site Construction		0	0	0	0	0	0	0	0	0	0	38,045	38,045	0					
03 Concrete		0	0	0	0	0	0	0	0	0	0	173,983	173,983	0					
25 Electrical		0	0	0	0	0	0	0	0	0	0	119,958	119,958	0					
40 Common Process Materials and Methods		0	0	0	0	0	0	0	0	0	0	216,057	216,057	0					
43 Gas and Liquid Handling /Purification and Storage Equipment		0	0	0	0	0	0	0	0	0	0	149,548	149,548	0					
90 Owner Indirect		96,914	-16,711	0	-113,625	-16,711	200,717	75,141	93,380	-125,575	-18,238	584,089	584,039	30					
COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0					
GENERAL & ADMINISTRATIVE		0	0	0	0	0	0	0	0	0	0	0	0	0					
UNDISTRIBUTED BUDGET												0	0	0					
SUBTOTAL (Performance Measurement Baseline)		96,914	-16,711	0	-113,625	-16,711	200,717	75,141	93,380	-125,575	-18,238	1,306,308	1,306,278	30					
MANAGEMENT RESERVE												0							
TOTAL		96,914	-16,711	0	-113,625	-16,711	200,717	75,141	93,380	-125,575	-18,238	1,306,308							

Variance Analysis

ABC Project
 VARIANCE ANALYSIS REPORT
 Format 5 - Reporting Period: Feb '09

WBS: 2.1.0		EAC: Actuals thru Feb '09 + ETC					
Description: Enhanced Conceptual Design (ECD)							
	BCWS	BCWP	ACWP	Sched-VAR	SV%	Cost-VAR	CV%
Monthly Hours	0	36	0	36	0.00	36	100.00
Cumulative Hours	0	36	0	36	0.00	36	100.00
Monthly Dollars	0	14,132,836	-17,747	14,132,836	0.00	14,150,584	100.13
Cumulative Dollars	0	14,132,836	14,115,047	14,132,836	0.00	17,789	0.13
BAC Hours	0	EAC Hours		36	VAC Hours		-36
BAC Dollars	0	EAC Dollars		14,132,836	VAC Dollars		-14,132,836

VARIANCE ANALYSIS:

WAD (Work Authorization Document)

WORK AUTHORIZATION DOCUMENT

Program: Sample ABC Project

WBS: ?

Control Account Title:

Original Issue: 09/15/2006

Rev. No.:

Rev. Date: 02/27/2009

Statement Of Work

Budget

	Previous Budget	This Release	Total Release
Manhours	0	0	0
FEE	0	0	0
Total (USD)	0	0	0

Schedule

	Previous Schedule	Impact This Release (Days)	New Schedule Date
Start Date	09/15/2006	0	09/15/2006
Finish Date	12/12/2008	0	12/12/2008

Control Account Reports

Control Account Summary Reports

Program: ABC Project

Work Breakdown Structure:

Description: 1000001

Original Issue:

Rev. No.:

Rev. Date:

Statement Of Work

Budget

	Previous Budget	This Release	Total Release
Manhours	2,665	15,559	18,225
LABOR	1,425,546	239,172	1,664,718
NON-LABOR	448,890	0	448,890
Total (USD)	1,874,437	239,172	2,113,609

Schedule

	Previous Schedule	Impact This Release (Days)	New Schedule Date
Start Date			05/11/2009
Finish Date			09/30/2009

Spreading Project Cost

Budgeted Cost By Period

ACME, Ltd.
1234-56

Test Project for Cost Mgt Training
Widgit, Inc.
COST IN USD

PAGE 1 OF 11
Reporting Period 4: Apr '09

ELEMENT	UNIT	JAN '09	FEB '09	MAR '09	APR '09	MAY '09	JUN '09	JUL '09	AUG '09	SEP '09	OCT '09	NOV '09	DEC '09	TOTAL
1100-T2-LE	Eng - Office Bldg - Office Bldg - Engineering Support - Lonestar													
S/C	USD	0	4,167	32,291	31,250	32,292	31,250	32,292	32,291	31,250	32,292	31,250	32,292	322,917
* COST *	USD	0	4,167	32,291	31,250	32,292	31,250	32,292	32,291	31,250	32,292	31,250	32,292	322,917
1200-T2-LE	Eng - Pump House - Pump House - Engineering Support - Lonestar													
S/C	USD	0	1,736	13,452	13,017	13,452	13,018	13,452	13,452	13,017	13,452	13,018	13,452	134,518
* COST *	USD	0	1,736	13,452	13,017	13,452	13,018	13,452	13,452	13,017	13,452	13,018	13,452	134,518
1300-T2-LE	Eng - Process FacI - Process FacI - Engineering Support - Lonestar													
S/C	USD	0	7,307	56,625	54,799	56,626	54,799	56,626	56,626	54,799	56,626	54,799	56,625	566,257
* COST *	USD	0	7,307	56,625	54,799	56,626	54,799	56,626	56,626	54,799	56,626	54,799	56,625	566,257
1400-T2-LE	Eng - Site - Site - Engineering Support - Lonestar													
S/C	USD	0	2,576	19,966	19,321	19,966	19,321	19,965	19,966	19,321	19,966	19,321	19,966	199,655
* COST *	USD	0	2,576	19,966	19,321	19,966	19,321	19,965	19,966	19,321	19,966	19,321	19,966	199,655
2100-C2-MC	Proc - Struc Steel - Struc Steel - Equip Sppt - MEGA													
Equip	USD	0	0	0	0	0	379,050	0	0	0	0	0	0	379,050
* COST *	USD	0	0	0	0	0	379,050	0	0	0	0	0	0	379,050
2100-C3-MC	Proc - Struc Steel - Struc Steel - MEGA													
Equip	USD	0	0	0	0	2,758,942	0	0	0	0	0	0	0	2,758,942
* COST *	USD	0	0	0	0	2,758,942	0	0	0	0	0	0	0	2,758,942

Why Use EVMS

- Course Corrections
 - EVMS determines the cause of performance issues
 - Corrective action plan developed
 - Found early, problems are relatively small and provide plenty of time for a recovery plan to work
- It's too late when you're next to the iceberg





Summary

- Reporting more in line with EVMS Requirements
- Software , Processes & Procedures
- Integration with Financial Systems (SAP, Oracle, & Others,)
- Integration with Scheduling System
- Tracking Funding & Changes (Government Requirements)
- Early Warning System (public awareness)

PRISM Project Manager – Next Generation

Version 6 (.Net technology web accessible)

New features coming in 2010

- Updated user-interface

- Improved scalability

- Improved security

- Improved database connectivity (Citrix not required for Internet)

- Enterprise reporting

- Include migration path from version 5

Technology

- Microsoft .NET platform

- Thick client

- Oracle / SQL Server / other databases

PRISM is World Wide....



Project Offices

- Australia
- British Columbia
- Canada
- Chile
- Czech Republic
- Egypt
- Indonesia
- Iceland
- Malaysia
- Mexico
- Peru
- Philippines
- Russia
- Singapore
- Spain
- South Africa
- Thailand
- United Kingdom
- Uzbekistan

A world map is centered in the background, overlaid on a horizontal grid of colored squares. The squares transition from warm colors (orange, yellow, green) on the left to cool colors (blue, purple, pink) on the right. The text "Clients & Owners" is prominently displayed in a dark blue font across the middle of the map.

Clients & Owners

Contact ARES Corporation for a list
and/or any references for clients and
owners utilizing PRISM Project Manager



References:

- <http://www.acq.osd.mil/>
- <http://guidebook.dcma.mil/>
- <http://usgovinfo.about.com/>
- <http://www.cnbc.com/id/27452818>
- [**http://www.csmonitor.com/Money/2008/1103/p15s01-wmgn.html**](http://www.csmonitor.com/Money/2008/1103/p15s01-wmgn.html)