



Office of Engineering & Construction Management

PARS II

Project Assessment & Reporting System

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January 27, 2009



DOE Project Performance

- DOE Project Performance Goals:
 - Significantly Improve DOE Project Performance
 - Get Off GAOs High Risk List
- Conducted Root Cause Analysis (RCA), April 2008
- Developed Corrective Action Plan (CAP), July 2008
 - CAP identifies key corrective measures required to consistently deliver projects within cost and schedule
 - PARS II will track many of the metrics specified throughout the CAP
 - Supports Corrective Measure #7, Project Oversight



Purpose of PARS

- **Central, Authoritative Source of:**
 - **Fundamental Project Information**
(e.g., project #, title, FPD name, site, EVMS certification)
 - **Approved Project Baselines**
(e.g., TPC, BCWS profile, KPPs, contingencies & reserves)
 - **Performance Against Those Baselines**
(e.g., EV, variance narratives, contingencies & reserves used)



PARS I

- Custom Application
- Proprietary Database
- Hosted Off Site
- Manual Data Entry (except for IPABS)
- Tracks Top Level Performance Only
- Primarily Tool for MA/DepSec



Issues with PARS I

- Insufficient Information Collected
- Data Validation – Incomplete/Inaccurate data
- Not Always User Friendly – e.g., Need to enter Project ID on multiple screens
- No Document Repository
- System Performance – Slow at times
- System Availability – Downtime








PARS II

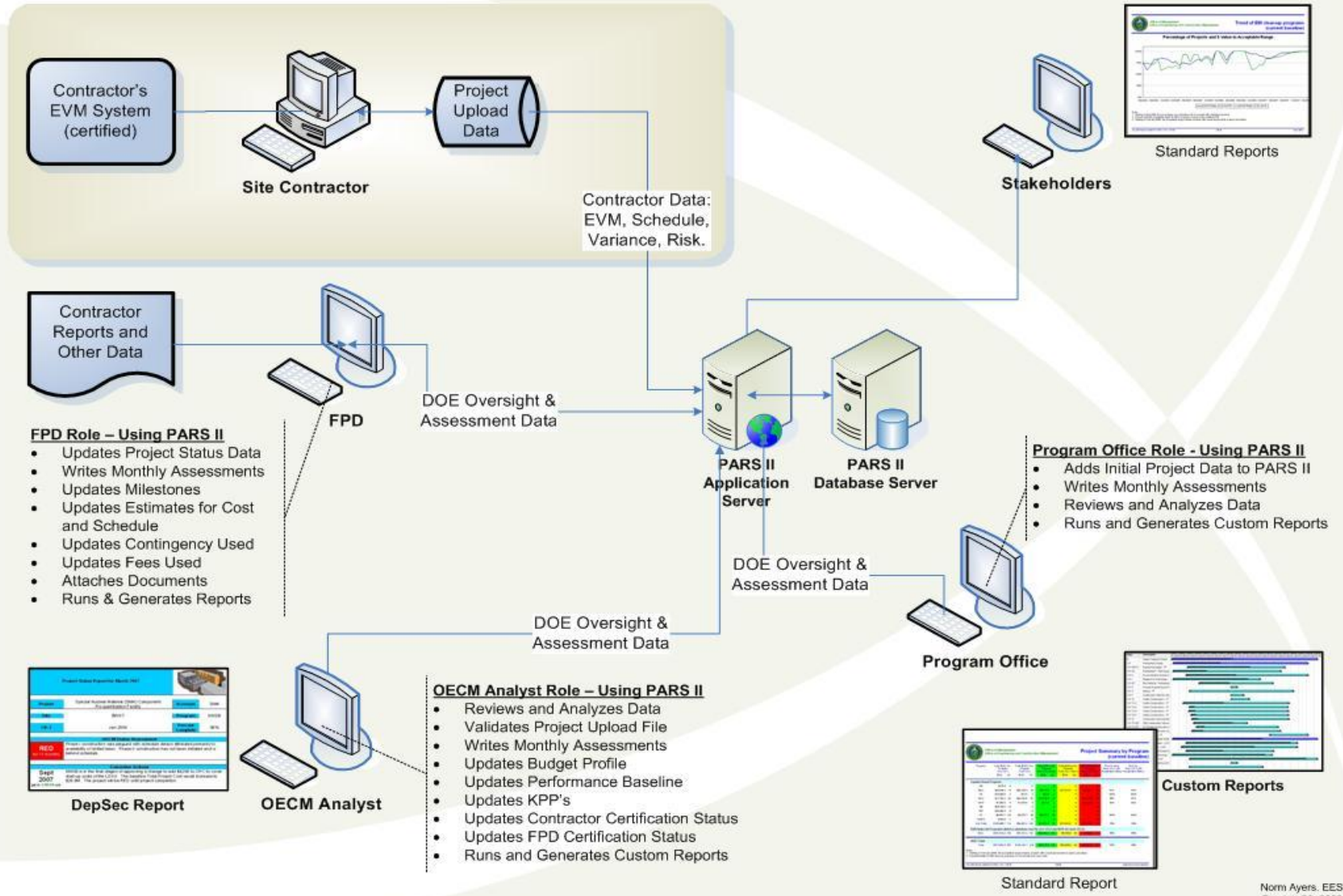
- COTS Application (Dekker)
- Uses Industry Standard Databases
- Hosted On Site
- Mix of Automatic & Manual Data Entry
- Document Repository
- Tracks Detail Level Performance
- Tool for FPD, Program Staff and MA/DepSec



COTS Products

Symbol	Product	Description
	Dekker PMIS™	Enterprise Program Management Information System (PMIS);
	Dekker TRAKKER®	Project Management And Earned Value Management Database Engine; Integrates Program And Project Management Data
	Dekker iPursuit®	Project Management And Earned Value Analysis
	Dekker TRACTION™	Issue Tracking; Risk Logs; Program Metrics; Goals And Objectives; Critical Program Decision Points
	Dekker iPortfolio®	Configurable Web Based Dashboard For Dekker PMIS™; Capable Of Providing Customizable Front Ends To Program And Project Management Information

PARS II – Overview of Components and Information Flow – Showing Roles





PARS II - OA & CPP

- Major PARS II “Modules”:
 - Oversight and Assessment (OA)
 - Project Fundamentals
 - Project Baselines
 - Document Repository
 - Assessment & Reporting Capabilities
 - Contractor Project Performance (CPP)
 - Performance Against Baselines



PARS II Roles

PARS Data Class	Responsible Role
General Project Info (e.g., Project ID, Project Name)	FPD (or PO prior to FPD appointment)
Budget Profiles	OECM
Performance Baseline Data (including BCPs, CDs, etc.)	OECM
Monthly Performance Data	Contractor
Monthly Assessment Data	Chain: FPD, PO, OECM
Monthly Reserve Usage	Contractor
Monthly Contingency Usage	FPD
EVMS Certification Status	OECM
FPD Certification Status	OECM
Fees	FPD



PARS II Timeline

Developed Initial Requirements	December, 2006
COTS Vendor Evaluation	January-August 2007
Select Dekker	September, 2007
Dekker Corporate License Acquired	July, 2008
Deployment Planning Started	August, 2008
Visit to First Site	December, 2008



PARS II - EM Pilot

- Currently testing PARS II at Two EM Projects:
 - Richland (WTP) and Idaho Falls (SBW)
 - Requested WBS, OBS, Schedule, MR, VAR
 - Imported Some Data Into PARS II CPP Module
 - Demonstrated PARS II CPP (Dekker) Module to Federal Staff
- Plan to Expand # of Test Projects and Include NNSA



Proposed Schedule

Milestone	Description	Planned Date
Planning Phase Completed	Concept of Operations and PARS II plan completed and software and consulting services acquired	1/9/2009
CPP Test Phase Completed	Implementation of Initial Test Capability at several DOE sites completed	3/23/2009
CPP Transition Planning Completed	Communications, transition, training and data migration planning completed	4/30/2009
CPP Software Configuration Completed	Dekker software configured to accept detailed project data from contractors and ready for acceptance testing	6/30/2009
CPP Ready to Go-Live	PARS II certified and accepted by DOE and ready to begin deploying to contractors to send project data and to Federal Project Directors, OECM and programs to review and analyze contractor data	8/3/2009
OA Software Configuration Completed	Dekker software configured to accept project data from Federal staff and ready for acceptance testing	8/31/2009
OA Ready to Go-Live	PARS II ready to begin deploying to Federal Project Directors, OECM and programs to report, review and analyze project data	10/1/2009
PARS II Operational	OECM and DOE programs are using PARS II for project reporting and analysis for all DOE projects; initial set of contractors are reporting project performance data monthly to PARS II	12/31/2009
PARS II Fully Deployed	All DOE contractors are reporting project performance data monthly to PARS II	9/30/2010



PARS II IPT

- MA-50 (OECM): John Makepeace (PM)
Brian Kong (Requirements)
Tom Bruder (Metrics)
- EM: John Neave
- NNSA: Rich Person
- SC: Kin Chao
- CF: Warren Huffer
- MA-60 (Procurement): Jim Tower
- EES: Kai Mong
- Dekker: Greg Ward
- **EFCOG: ???**



Questions?