

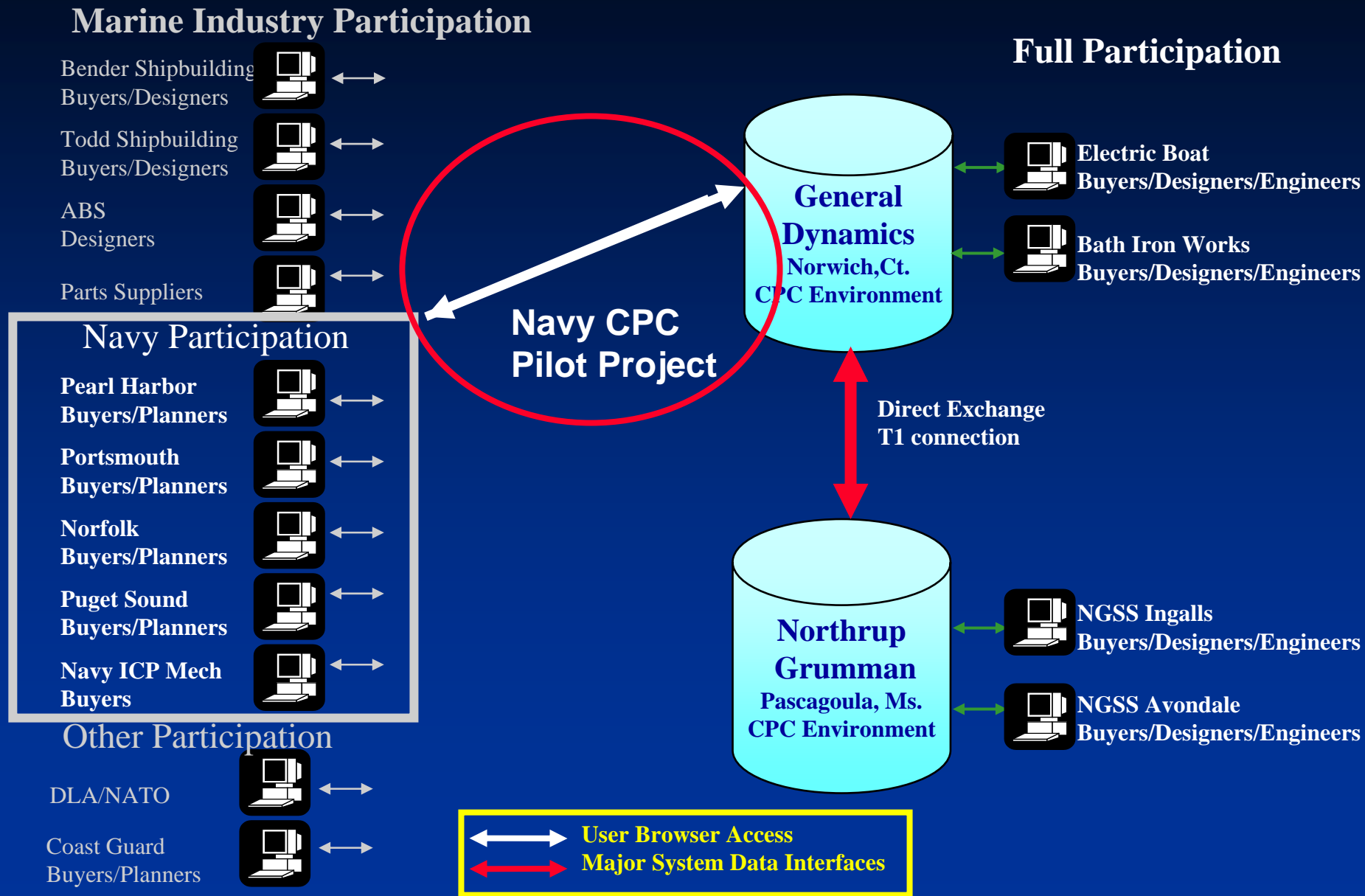


# Navy Common Parts Catalog Pilot Project

Barry Espeseth,  
PDMT Major Initiative Team Lead  
Electric Boat  
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# CPC is used by the Shipbuilding Enterprise at different levels of participation



# The Navy and the CPC Participating Shipyards' have progressed to providing CPC access to Navy Shipyards and NAVICP

## Project Statement of Work includes:

- Provide 7 Navy sites access to CPC thru the web interface 
- Navy security certification (DITSCAP) of CPC 
- Develop CPC Navy training curriculum 
- Train 16 Navy personnel at 3 sites: 
  - Portsmouth Naval Shipyard, Kittery, Me.
  - Puget Naval Shipyard, Bremerton, Wa.
  - NAVICP, Mechanicsburg, Pa.
- Support pilot with a EB “help desk” for training related questions 
- Assist the Navy in their final assessment activities after the pilot
- Project time period: 1/06 – 2/08

# Training Locations/Organizations/Users

## Portsmouth, NH Training Class Room POC Kim Bedard - 207 438-3310 *Date: 8/7*

- Portsmouth Naval Shipyard Code 200
  - Kim Bedard
  - James (Jim) Phinney
  - Kathryn (Kathy) Paradis

## Puget Sound, WA Training Class Room POC Robert T. Pedroza - 360 476-6441 *Date: 10/10*

- Puget Sound Naval Shipyard Code 200
  - Barb Royce
  - Kyle Evers
  - Mark Schooler
  - Ross Colson
- Intermediate Maintenance Facility
  - Bruce Robison
- Pearl Harbor Naval Shipyard Code 200
  - Sandra Tichy
  - Harris Shiroma
- Norfolk Naval Shipyard Code 200
  - Gerald Zaner
  - Bryan Silverthorne

## Mechanicsburg, PA Training Class Room POC LCDR Seth Manti - 717 605-1970 *Date: 8/16*

- NAVICP Code 056 Casualty Repair
  - Pat Schwarz
  - Brad Shotzberger
- NAVSEA Logistics Center
  - Keith Doyne
- NSWC SSES Philadelphia Code 9450
  - Edward J. Socha

# Navy CPC Pilot Project Status with “Next Steps”

## ● EB Action Items & Status:

- Training Curriculum issued (Deliverables 1 & 2): 7/30
- CPC access for Navy in production: 8/1
- EB User Help Desk manned and operational: 8/7
- Portsmouth, Mechanicsburg and Philadelphia trained and operational: 8/18
- Puget, Pearl and Norfolk trained and operational: 10/10

## ● NAVY Action Items & Status:

- Temporary “DITSCAP” Certification (authority to test) approved: 5/30
- Utilize CPC in daily business to determine need: 8/7
- Metrics on CPC utility assessment to be established: 10/15
- Navy will use metrics to develop a business case to support a Go/No-go decision: TBD

## ● Post NSRP Navy Pilot Project steps with “Go” decision

- Develop system design and interface requirements (Navy and CPC Participating Shipyards)
- Secure funding for implementation and maintenance tasks (Navy)
- Obtain permanent DITSCAP Security Certification (Navy)

# Remaining Issues

## During pilot project (7/07– 2/08)

- Metrics for assessing the utility to the Navy need to be determined and collected
- Data needs to be analyzed and a business case developed
- Go/no-go decision must be made to proceed

## After pilot project (if continued access is recommended)

- Business case for providing Navy access to the catalog data needs to be developed by industry
- System requirements for Navy access need to be determined
- Funding of Navy use of the CPC data and software architecture determined

**Why is the Navy interested in access  
to the shipyard's CPC?**

# Types of Cost Savings and Business Opportunities the Navy expects

- **Out of the box:**

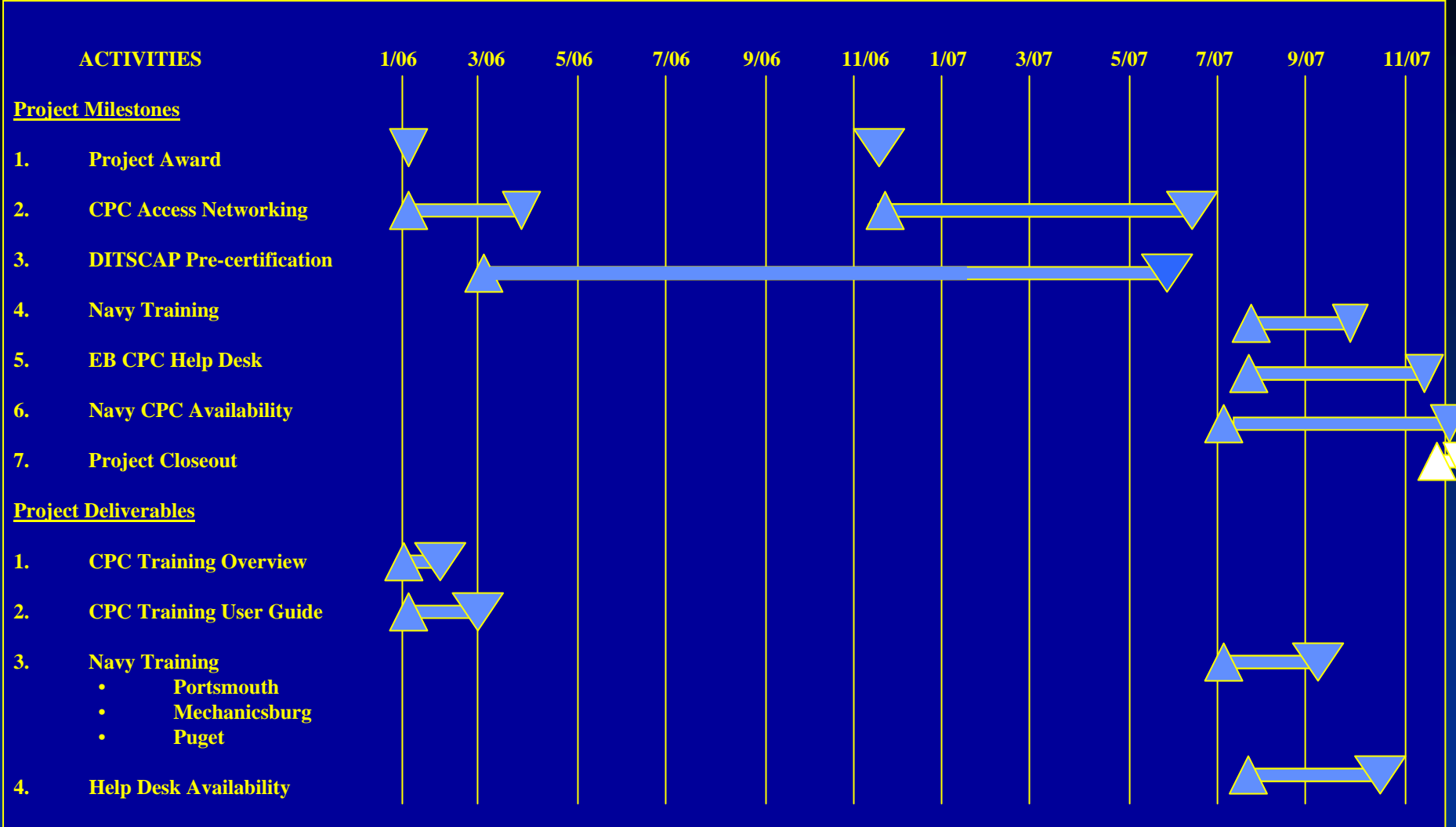
- Re-use of design applicable standard part data at public shipyards
- Utilizes shipyard IPDE capabilities/investment
- Standardized descriptive and document data for Navy Part Standardization Program
- Design disclosure of critical attributes (e.g., SUBSAFE, Level 1 & DSS-SOC)
- Shipyard part number cross reference to NSN's
- Access and utilization of commercial shipyards surplus material

- **Future possibilities:**

- Electronic exchange of digital component development data
- Ability to increase material availability and reduced cost with joint procurements utilizing intra- and inter-shipyard part equivalency
- Increase quantity procurements

# Navy CPC Pilot Project Schedule

12/12/05

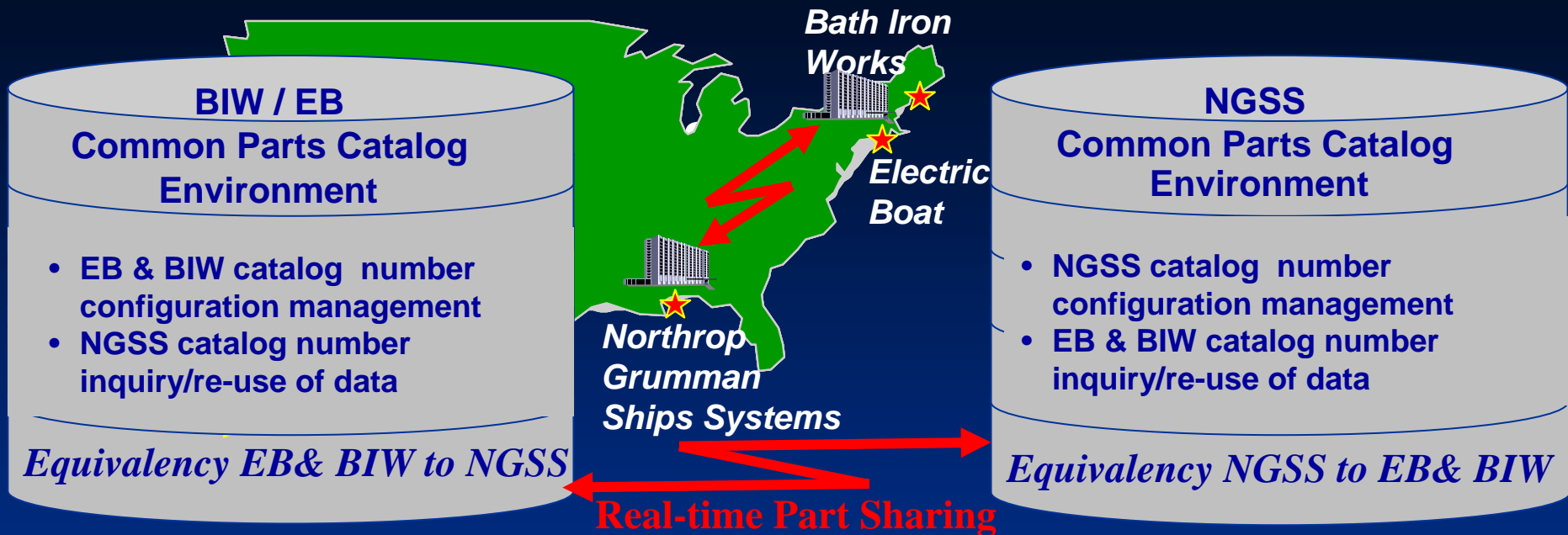


▲ SCHEDULE START     ▼ SCHEDULE COMPLETE     ASSIGNEE: B. Espeseth     SUPPORT: \_\_\_\_\_  
▲ STARTED ACTUAL     ▼ ACTUAL COMPLETE     APPROVAL: \_\_\_\_\_  
 % COMPLETE

# Questions?

**BACKUP**

# EB, BIW and NGSS have implemented a Common Parts Catalog



- 2M+ Catalog Numbers assigned to standardized classification schema
- 7.2M configuration managed Document ID's linked to these catalog numbers
- 300K Inner-shipyard Part Equivalency Links
- 10K Inter-shipyard Part Equivalency Links
- 90K Inter-shipyard Shared Procured Catalog Numbers
- 100's of daily shared part transactions between shipyards
- Monthly audits identify a 99.9 accuracy rate against defined inter-shipyard standards



**Class: CPC PROCURED PARTS**

Property	<input type="checkbox"/> Item 1
Bottom Class ID -> Class Label	VALVE, BALL-NON METRIC
Catalog Number	* 10-21-0100K
Noun Name	* VALVE
Type	3-WAY BYPASS
Modifier	SCH-80
Material	* STEEL
Document ID -> Part Document ID	* 1385965_K_K_ASSY-34
Document Sort Order	1
Applicability -> Applicability	* NSSN
Standardization Code	K

LAMP Document ID to CPC Part

Form DEFAULT Local

Catalog Number -> Catalog Number	Document ID -> Part Document ID	Catalog Num
211022060	MIL-F-16377/53_-A_M16377/53-100.2	96169
211022060	MIL-F-16377_G_G1_TY-II,CL-1,SYM-100.2	96169
211022060	SC-12-4_2_2	96169
211022060	SC-76-150_1_1	96169
211022060	SC-SD1040_5_5	96169
211022060	SC-10-87V_4_4	96169
211022060	SC-60-29_16_16	96169
211022060	SC-76-87_2_2	96169

**User Friendly Search**

**Common Parts Catalog is:**

**Document to Part X-Ref**



**Inter-shipyard Part Equivalency**

- shipyard parts catalog
- part search and retrieve repository
- shipyard, supply chain, Navy collaborator
- future business facilitator

**Shipyard Part to NSN X-Ref**

Power Search

Browser View Power Search View Results View

**Equivalence**

Items 1 to 2 of 2

	Master Cat... *	Equivalent Cata...	Equivalent Catalo
	55019011		
70876	55019011	96169	24-51-0089
70876	55019011	34293	9535-DA0-648795

NSN to CPC Part

Items 1 to 2 of 2

Cat... *	Catalog Number... *	NSN -> NSN National Stock Number *
		*00-725-4465
70876	14336052	4730-00-725-4465
34293	4730-DA0-139132	4730-00-725-4465

# The CPC Participating Shipyards have a history of collaboration across our shipyards

## 1999: Part Data Standards Development

- Data Element Dictionary
  - 256 attributes defined
- Classification Schema
  - 2200 categories over 8 levels
- EVV Establishment
  - Over 14K attribute names

## 2000: Standard Processes Development

- Add, Change, Part and Document Procedures
- Document Configuration Management Procedures
- Part Equivalency Procedures
- Part Sharing Procedures
- Inter-shipyard Procedures

## 2001-2003: Data cleansing to Standard Reqts

- 2M Catalog Numbers assigned to schema
- 7.2M Document ID's linked to parts
- 300K Inner-shipyard Equivalency Links
- 10K Inter-shipyard Equivalency Links
- 90K Shared Procured Catalog Numbers

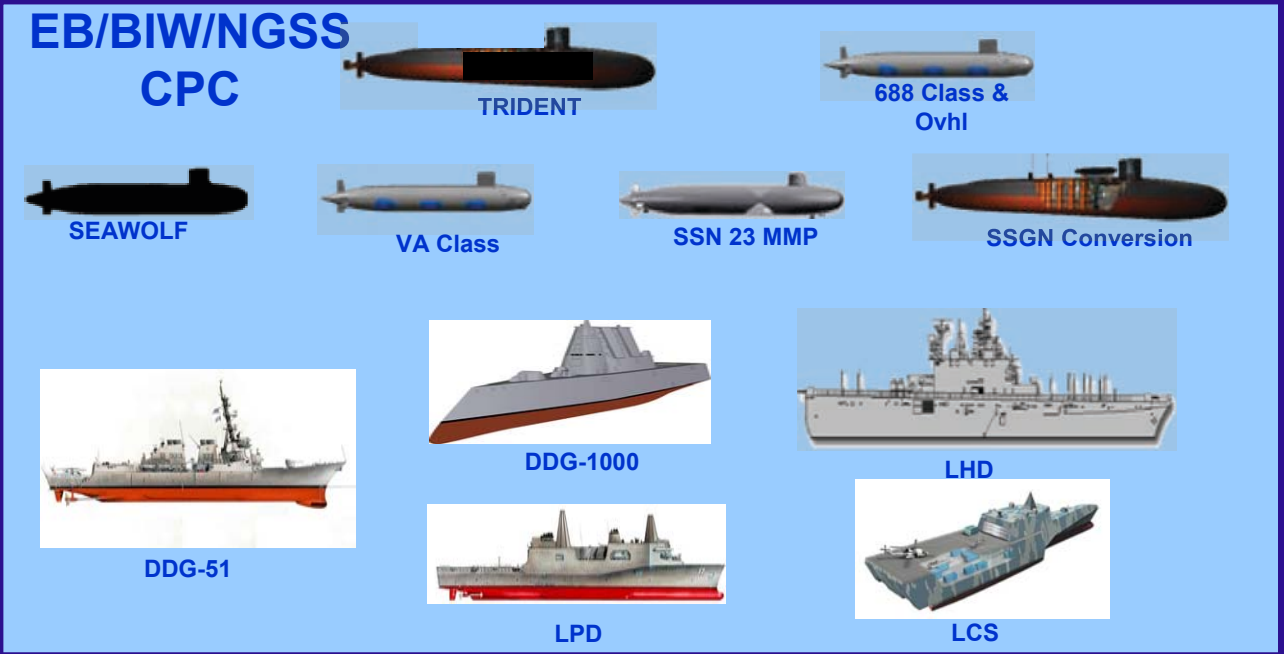
## 2004: System implementation

- Coordinated shipyard schedules
- 1200 Joint Test Scenarios
- "Real Time" System Integration

## 2005: Central Configuration Control Group Inner and Inter-Shipyard Configuration Management Operations

- 200 CCCG Change Requests to:
  - maintain CPC synergy
  - modify system links to assure part sharing and equivalency integrity
- Audit Program
  - assuring quality assurance to established standards and procedures
  - audits schedule issued with shipyard rotation for performing audits
  - 9 monthly audits with a 99.7 accuracy rate

# 65% of the Navy's Surface Combatant, Submarine, and Amphibious Procured Material Is Now Standardized and Configuration Managed in CPC



***CPC contains 300K+ procured catalog numbers available to our shipyards and our Navy customer***