Defense Cost and Resource Center

Status of Initiatives

Ron Lile
August 2003

The On-line DoD Cost Research Library

Enhancing DoD Cost Analysis

The Defense Cost and Resource Center
1111 Jefferson Davis Hwy; Suite 500
Arlington, Virginia 22202
Phone: 703.602.3301   Fax: 703.602.8944
http://dcarc.pae.osd.mil

Our Mission & Vision

Become **THE** comprehensive,
readily usable, secure,
high quality source of
weapon system cost information
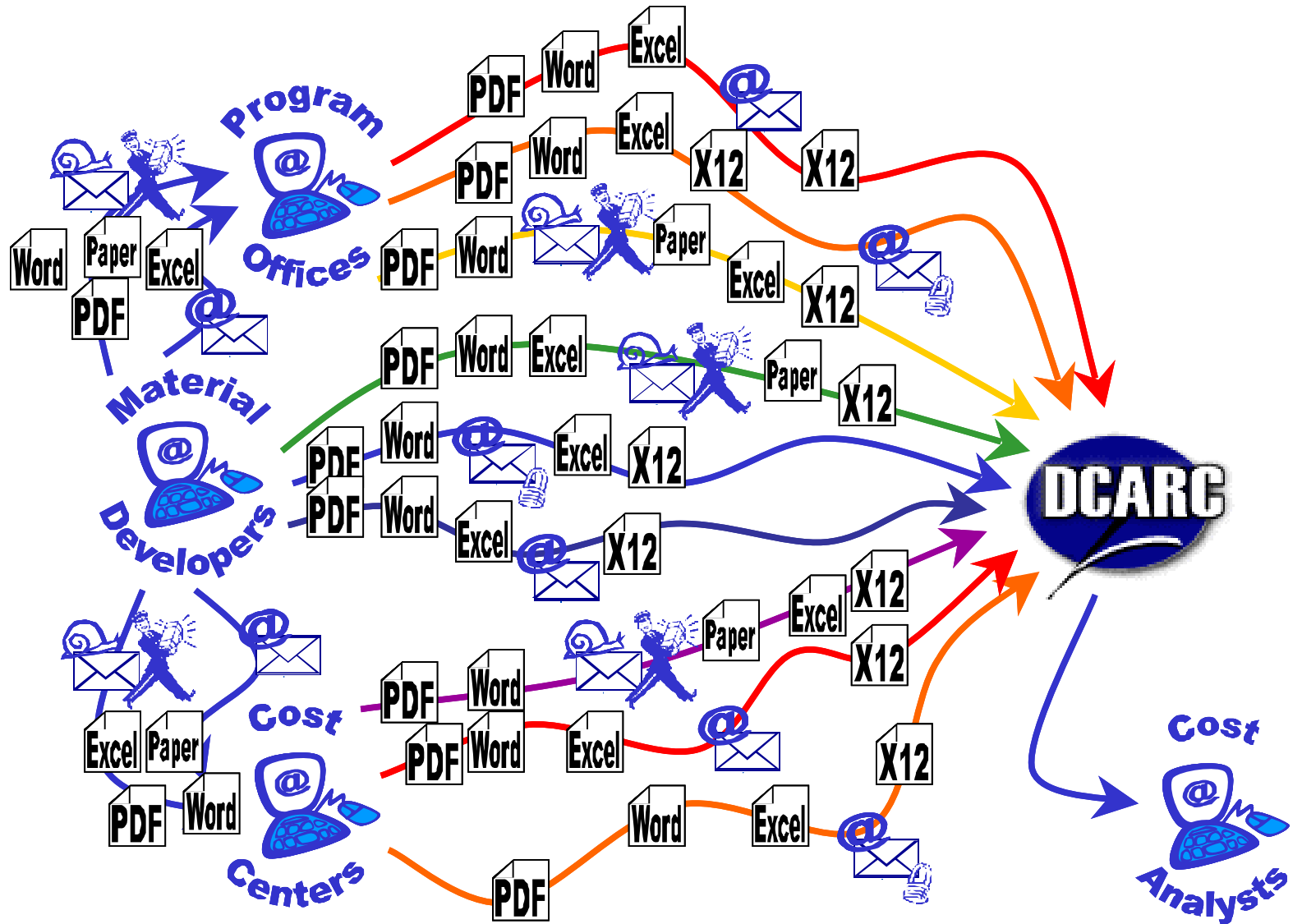for DoD analysts

One-stop shop for cost analysts

Current Initiatives

- ◆ Automation
  - – Single Submission
  - – Pre-processor & Validator
  - – DCARC Cost Information Tracking System
  - – eRoom
- ◆ Support
  - – Users
- ◆ Analyses
  - – Aggressive QA effort
  - – Data Collection Efforts
- ◆ Policy and Training
  - – Training Schedule
  - – Status of 5000 Series

CCDR Submissions Today

Our Short Term Goal

Material Developers

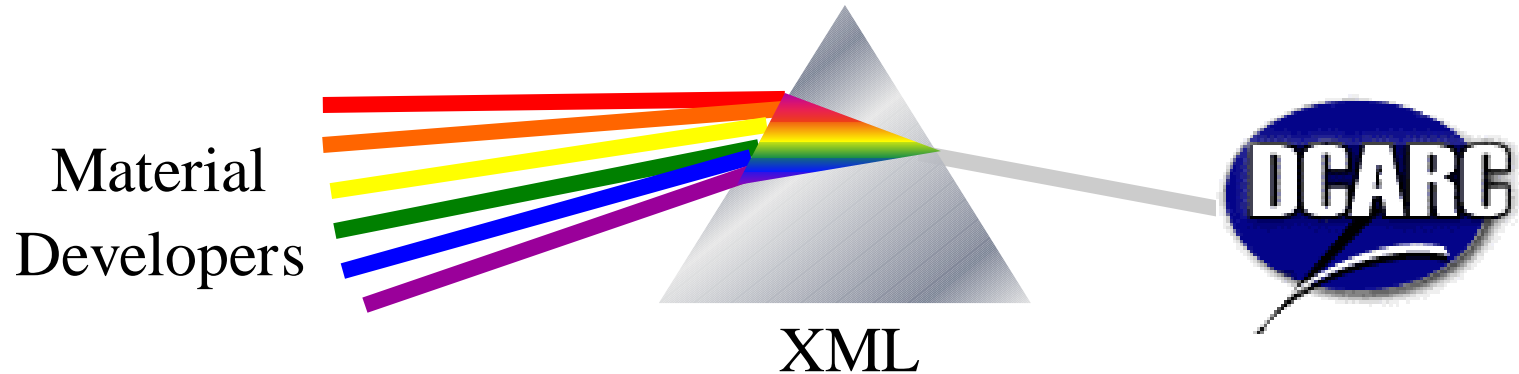**DCARC**

Cost Analysts

1 Means of transmission:
Secure Email
2 or 3 Formats:
Excel, X12, XML

Submission Address: ccdrpo@osd.mil
Information Address: dcarcweb@osd.mil

The Future is XML

Material
Developers

XML

DCARC

- ◆ Started Industry Conversations
  - – May: Lockheed Martin Ft Worth
  - – July: WINSIGHT
  - – ????: Pratt & Whitney

Pre-Processor & Validator

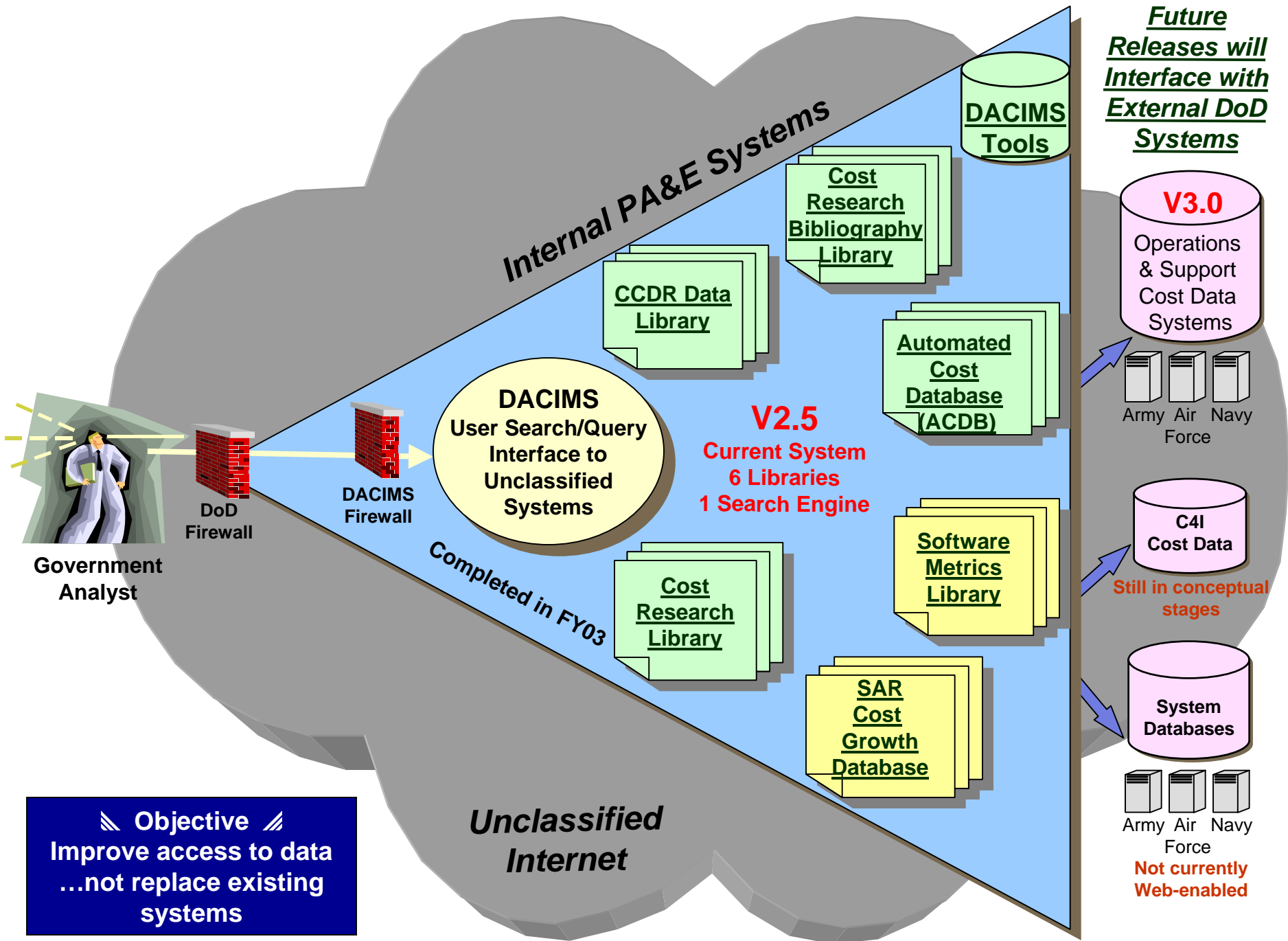- ◆ The CCDR XML standards will replace the CCDR Electronic Data Interchange (EDI) standard.

- ◆ Each CCDR XML structure is defined by Report Group:
  - – AUG 96
  - – AUG 00
  - – MAR 03

- ◆ The new Pre-Processor 2.0 and the new Validator 3.0
  - – Will accept CCDR XML data.
  - – Validation Rule Categories:
    - • Calculations
    - • Data Links
    - • Data Types
    - • Meta-Data
    - • Conditional
    - • Unique

DCARC Cost Information Resource Tracking System (CIRTS)

- ◆ ACCESS Version
  - – Relational database architecture
  - – Reports capability
  - – Populating with data: September 03 Completion
- ◆ Automated Work-flow & WEB Version
  - – Developing requirements
  - – Business Process Review Integral Part

Internal PA&E Systems

DACIMS Tools

Cost Research Bibliography Library

CCDR Data Library

Automated Cost Database (ACDB)

DACIMS User Search/Query Interface to Unclassified Systems

V2.5 Current System 6 Libraries 1 Search Engine

Completed in FY03

DACIMS Firewall

DoD Firewall

Government Analyst

Cost Research Library

Software Metrics Library

SAR Cost Growth Database

Unclassified Internet

� **Objective** � Improve access to data …not replace existing systems

Future Releases will Interface with External DoD Systems

V3.0 Operations & Support Cost Data Systems

Army Air Force Navy

C4I Cost Data

Still in conceptual stages

System Databases

Army Air Force Navy

Not currently Web-enabled

eRoom Features

- Shared Spaces (by project or process)
- Access Control
- Change Notification
- Version Tracking
- Project Calendars
- Discussion Forums
- Simple Databases
- Workflow

DACIMS QA Effort

- ◆ As of September 30, 2002:
  - – Only ~18,000 CCDR documents had gone through a quality assurance (QA) check
  - – QA check, however, did not have standardized/normalized entries
  - – No consistency across libraries

- ◆ As of August 18, 2003
  - – Revised basis of meta-data classification to military designation system standards per MIL-HDBK881 category
    - • Standardized/normalized fields across & within libraries
  - – Completed a more rigorous and aggressive QA of:
    - • Cost Research Bibliography Library
    - • Automated Cost Databases
    - • ~33,000 CCDRs documents (85%)
  - – *Goal: Complete ALL CCDR documents this fiscal year*

Current Data Collection Efforts

As of January 23, 2003

◆ Currently 96 programs being tracked

– Not shown: Pre-MDAP (10), Post-MDAP (6), Pre-MS B (7)

ACTIVE PROGRAMS	PLANS IN PROGRESS	APPROVED PLANS NO DATA COLLECT	PROGRAMS WITH NO PLANS	PROGRAMS WITH WAIVERS
AESA	AAAV	AAAV	AIM-9X	C-130J
AV-8B REMANUFACTURE	ABRAMS UPGRADE	AEHF	AMRAAM	C-17A
B-1 CMUP	ATACMS BAT	AWACS RSIP (E-3)	ATIRCM/CMWS	CHEM DEMIL
B-2A	BRADLEY UPGRADE	LONGBOW APACHE	F402 ENGINE	EELV
BLACKHAWK UPGRADE	F135 ENGINE	MCS (ATCCS)	GBS	JASSM
BMDS	F136 ENGINE	MINUTEMAN III GRP	GPS OCS	JDAM
C-130 AMP	F405 ENGINE	NPOESS	JSIMS	JPATS
C-5 RERP	GLOBAL HAWK	SBIRS-HIGH	LAND WARRIOR	MIDS-LVT
CEC	GMLRS	T700 ENGINE	MH-60R	NAS
CH-47F	HIMARS		MILSTAR	WGS
COMANCHE	STRYKER		MINUTEMAN III PRP	
DD(X)	JAVELIN		NESP	
E-2C REPRODUCTION	JSOW		SM-2	
F/A-18 E/F	JTRS CLUSTER I		T55 ENGINE	
F-22	LPD-17		TRIDENT II	
F414 ENGINE	MEADS			
FBCB2	PATRIOT PAC-3			
FMTV	T406 ENGINE			
JSF	T56 ENGINE			
JSTARS	USMC H-1 UPGRADE			
LONGBOW HELLFIRE	V-22			
MH-60S				
NAVSTAR GPS				
SMART-T				
TAC TOMAHAWK				
THAAD				
25	**16**	**8**	**15**	**10**

CCDR Data Collection Summary

- Only 10% of all Programs are compliant with CCDR requirements
  - Program versus Contract Plans
    - Most Programs develop only contract plans
    - GFE contracts omitted from CCDR requirements
    - Prime contractors do not roll down CCDR requirements to Subs
  - Program Managers
    - Do not submit CCDR Plans and/or WBS dictionaries with CARDs
    - Do not forward RFP CCDR requirements language to DCARC
    - CDRLs and WBS dictionaries are not forwarded to DCARC
    - CCDRs are approved by Program Office prior to DCARC validation
  - Defense Contracting Officials
    - Release RFP without CCDR requirements
    - Omit or delete CCDR Requirements from contracts
    - Allow Contractor formatted reporting
    - Require no approval of CCDRs
  - Organizational Consistency
    - Reporting not consistent with various contractor locations

2003 Training Schedule

- Los Angeles (AF/SMC)   February 26
- Dallas/Ft Worth (LM)   April 2
- Ft Monmouth, NJ (A/CECOM)   April 23
- Dayton, OH (AF/AMC)   June 5
- Boeing (Los Angeles)   August 13
- Northrop Grumman   TBD

DoD Acquisition Policy

- ◆ New:
  - – DoDD 5000.1 "Defense Acquisition System"
  - – DoDI 5000.2 "Operation of the Defense Acquisition System"

- ◆ Currently revising:
  - – DoD 5000.2-R "Mandatory Procedures for Major Defense Acquisition Programs (MDAPs) and Major Automated Information Systems (MAIS)"
    - • Will become a guidebook

Guidance - Implementing Policy

- ◆ Interim Guidance for CCDR and SRDR effective
  - – Any day now
- ◆ Currently revising:
  - – DoDD 5000.4 "OSD Cost Analysis Improvement Group (CAIG)"
  - – DoD 5000.4M "Cost Analysis Guidance and Procedures"
  - – DoD 5000.4M-1 "Contractor Cost Data Reporting Manual"

Where We Are Today

- Launched in directions that are beneficial and consistent with our core mission and our vision
  - Entire team is committed to both our mission and vision; also committed to continuous re-engineering
- Starting to see improvements
  - Developing CCDR plans and monitoring compliance
- Challenges
  - Visibility to systems commands and program offices
  - Resource constraints
    - *Primarily people*