

XML Working Group

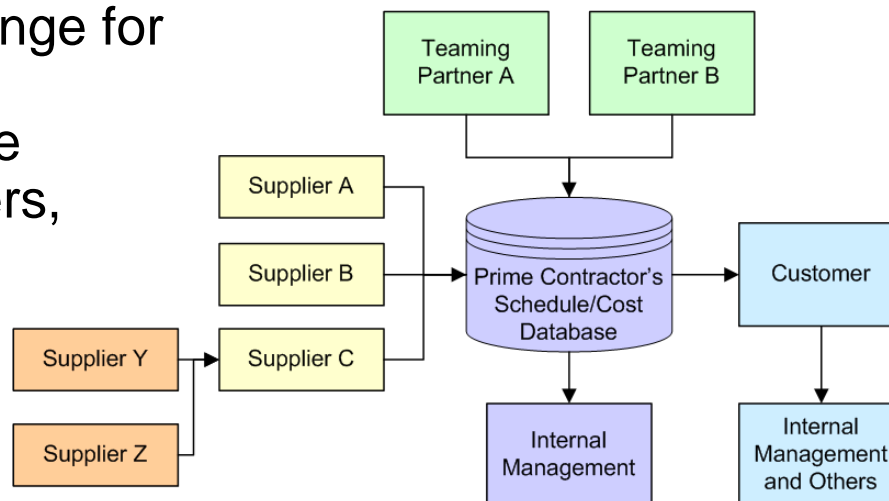
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Topics

- Quick review of background and end objective
- Review where we are in the development process
- Current events
- Where to find schemas and related documents

Background

- What's the purpose?
 - Replace the existing (and limiting) ANSI X12 Electronic Data Interchange (EDI) transaction sets (806 and 839) with an XML equivalent
 - Provide means to exchange schedule, cost, and related auxiliary data in an industry recognized standard format
 - Address formal government contractual requirements
 - Facilitate data exchange for all parties – subcontractors, prime contractors, customers, program offices, internal management



What's the End Objective?

- A library of schedule, cost, and auxiliary XML data components (data model and schemas) that can be used by the project management community worldwide regardless of industry
- Formal, published international standard (ISO, UN/CEFACT) that can be cited in contracts and requirements
- Software vendor neutral format
- Prevent new projects from reinventing the wheel – use standards based XML components in a web environment
 - Consistent, standard approach

Schema Information Areas

- Targeted schemas for specific data exchange
 - Can be used alone or combined
 - Flexible – can be tailored to project needs
- Targeted schemas include:
 - Schedule data – activities, milestones, relationship details, resource assignment details
 - Cost data - Budget, actual, earned value, estimate (cumulative/at complete or time phased)
 - Contract and project summary data
 - Funding data
 - Auxiliary data – reporting structures, calendars, resources, thresholds

Development Plan Status

UN/CEFACT Project Proposal	Complete – Presented 9/05
UN/CEFACT Business Process Use Cases	Complete – Presented 9/05
DCMA/Boeing St. Louis Proof of Concept	Complete 3/06
UN/CEFACT Business Requirements Specification	Complete, Updated 12/06
UN/CEFACT Requirements Mapping Specification (data model)	Complete, Updated 12/06 Harmonization complete 11/06
Prerelease XML schema for trial use	Prerelease schemas are available
Implementation Verifications	Began 3/06, ongoing
Industry Guidelines	First edition will come out of DCMA
UN/CEFACT Published Schemas (candidate release)	Waiting for final publication

Where We Are

- Official schemas
 - Ratified at last biannual UN/CEFACT meeting (September, 2007)
 - In final audit, still awaiting final schema generation
 - Internal UN/CEFACT politics, what's in queue ahead of us has slowed final publication
- Final schema/data model will be publicly available on various web sites
- Note: There is no fee or other requirement to be able to access or use the data model/schemas – they are publicly available to anyone who wants to use them

Current Events

- OSD Central Repository
 - Use schemas to feed repository for CPR, CFSR, IMS data (dependent on final publication)
 - Anticipate updates to CPR, CFSR, and IMS DIDs to reflect requirement to use XML schemas
- DCMA analysis database
 - Using schemas to build content
 - Custom set of analysis tools
 - Calculating standard set of cost and schedule metrics to identify programs with performance issues

Current Events

- Industry Guidelines
 - DCMA is planning to produce a set of guideline schemas
 - Tailored schemas will map to the DoD Data Item Description documents for the formal set of reports (CPR, CFSR, IMS)
 - Will include use notes
 - Okay for DoD and selected other agency use – may need to supplement
 - Once guidelines are available, can determine need for additional industry guidelines and how best to produce
 - Example: how to use the schemas for other, less formal data exchanges such as structures, calendars, list of milestones and dates, time phased cost data
- Anticipate and planning for minor updates to schemas as a result of more fully exercising the schemas – DCMA is still fully engaged in the UN/CEFACT development process

Current Events

- Continuing to work with software vendors to incorporate support for the data model/schemas
 - Artemis, Dekker, Deltek, Planview (MPM), Primavera/Pertmaster
 - Deltek wInsight Version 6.4 will support (in development)
 - Pertmaster capability available since 8/07
 - Input/export **schedule data** using UN/CEFACT XML Schemas (prerelease edition)
 - Convert data from various scheduling software tools including Primavera, Open Plan, MSP (98 to 2007)
 - Planview MPM in development (update to Version 3.2 will support pending release of final schema)

Where to Find Schemas

- DCMA – www.dcma.mil/xsd/
- CORE.gov (Community Organization and Registration Environment)
 - <http://collab.core.gov/CommunityBrowser.aspx>
 - Link to Federal Enterprise Architecture (register components)
 - DCMA is government sponsor for posted materials
 - Chris Hassler - UN/CEFACT Project Editor
 - chris.hassler@dcma.mil (you will need this e-mail address to register with CORE.gov)
 - 310-900-6005
 - Draft schemas along with complementary supporting materials can be found under the DCMA Community
- UN/CEFACT web site – will be posted once schemas are published

Other URLs for Reference

XML.gov	xml.gov xml.gov/cop.asp (community of practice)
UN/CEFACT	www.unece.org/cefact/index.htm
UN/CEFACT TBG6	http://www.cen.eu/uncefactforum/TBG/TBG6/tbg6.htm
Working group history documents	Available on the DAU web site: https://acc.dau.mil/ndiaxml Note: you must be a member of the Earned Value Community of Practice to access the web site