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TSPG Common Dataset Standard Concept of Operations Discussion Summary

Tony DalSasso
677 AESG/EN
15 May 2007



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Introduction

- Meeting yesterday, attended by 40 people
- Objective to obtain industry input on the TSPG's implementation of the Common Dataset Standard from a programmatic/business perspective
- Majority of time devoted to conduct of a working session
- Participants briefed recommendations to TSPG at the end

CDS Status



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- CDS is ready for initial implementation
- Adjunct CONOPS developed to provide CDS guidance to TSPG programs
- Current objective is to finalize CONOPS

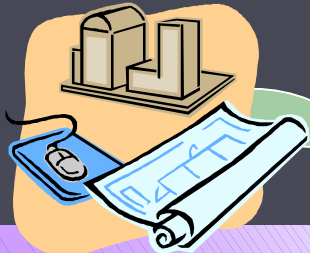
Implementation



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- CDS not mandated across the board
- Each TSPG program will evaluate feasibility of applying CDS
- Results of analysis will be approved by cognizant TSPG Chief Engineer
- Programs will use Database Registry to publicize database requirements and identify reuse opportunities

Source Data



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Identify Available Data



Registry

Locate Needed Data

Producer Program

Import

Generic Value-Added Processing

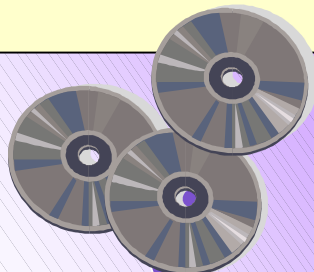
Intermediate Data in Standard Formats (Common Dataset)

System-Unique Processing

Simulator



Runtime Database



Direct Data Exchange

Data Exchange Through Intermediary



Archive

Consumer Program

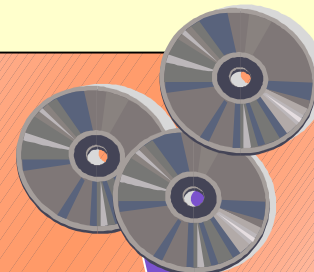
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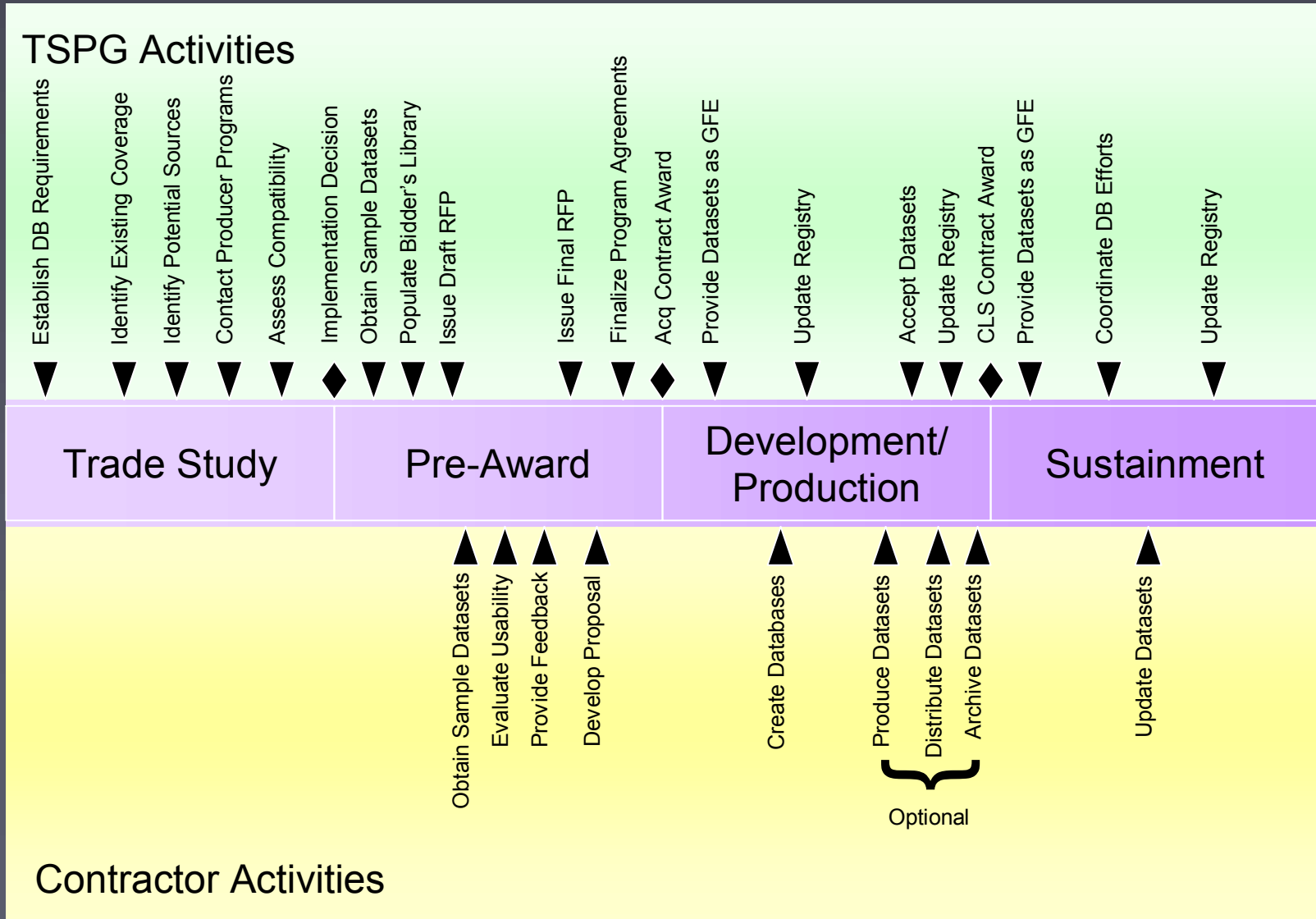
Runtime Database



Timeline



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Industry Role



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- Industry perspective desired to:
 - Maximize reuse value
 - Minimize overhead
 - Maintain contractual obligations
 - Protect sensitive information
 - Make viable business case



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Relationship to APBI

- Affects future business
 - Compliant vs. non-compliant offerors
- Affects company investment in database tools
- Affects proposal process
 - What's in Bidder's Library
 - Evaluation during Source Selection
- Establishing a future TSPG business model



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What it May Change

- Staff mix due to reduced database process
- Inter-company relationships
- Capital investment in database capability
- Allowable proprietary information content
- Realigned technology focus
- Current competitive advantages



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Team Exercise

- Reviewed list of 12 notional issues
- Solicited additional topics
- Prioritized by Industry vote
 - 5 Designated High Priority
- Assigned to 4 Teams

Top Issues



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“Necessary and sufficient” contractual requirements and tasking to achieve CDS goals

Necessary TSPG actions to facilitate effective proposal preparation (e.g. bidder's library and sample datasets)

Future acquisition program strategies to enhance database synergy

Realistic expectations for cost and time savings through dataset reuse

Actions to be taken in the event of dataset errors & potential cost impacts



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Team Activity

- Describe issue
- Explain concerns with concept as described
 - Impediments to reuse goal
 - Other negative programmatic impacts
- Discuss alternative solutions
 - Identify pros and cons of each
- Make recommendations to TSPG
 - Indicate team's level of consensus
 - Address minority opinions



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Some Findings (1)

- General concurrence with approach
- May take a while to see benefits
- Concerns with suitability of existing datasets for reuse
- Standard lacks structure for ensuring consistency
- No commercial standard for metadata, but needed
- Must have agreement on available data during bid process



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Some Findings (2)

- Additional up-front investment prior to RFP may be needed
- Datasets should be provided as GFE by Gov't
- Datasets should be delivered and accepted as CDRLs
- Central maintenance of datasets preferred over individual producers
- Contractor ultimately responsible for program requirements, regardless of CDS application



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Future Actions

- Based on team briefings, TSPG will:
 - Evaluate recommendations
 - Update CONOPS as appropriate
 - Publish revised version
 - Implement



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Questions?