TSPG Common Dataset Standard
Concept of Operations
Discussion Summary

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Approved for public release; distribution unlimited
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

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

- 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

Producer Program
- Import
  - Generic Value-Added Processing
- Intermediate Data in Standard Formats (Common Dataset)
  - System-Unique Processing

Consumer Program
- Intermediate Data in Standard Formats (Common Dataset)
  - System-Unique Processing

Registry
- Identify Available Data
- Locate Needed Data

Direct Data Exchange

Data Exchange Through Intermediary

Archive

Runtime Database

Simulator
Pre-Award Development/Production Sustainment

TSPG Activities

Establish DB Requirements
- Identify Existing Coverage
- Identify Potential Sources
- Contact Producer Programs
- Assess Compatibility
- Implement Decision
- Obtain Sample Datasets
- Populate Bidder’s Library
- Issue Draft RFP
- Issue Final RFP
- Finalize Program Agreements
- Acq Contract Award
- Provide Datasets as GFE
- Update Registry
- Accept Datasets
- Update Registry
- CLS Contract Award
- Provide Datasets as GFE
- Coordinate DB Efforts
- Update Registry

Trade Study
- Obtain Sample Datasets
- Evaluate Usability
- Provide Feedback
- Develop Proposal

Pre-Award
- Develop Proposal
- Create Databases
- Produce Datasets
- Distribute Datasets
- Archive Datasets

Development/Production
- Produce Datasets
- Distribute Datasets
- Archive Datasets
- Update Datasets

Sustainment
- Update Datasets

Contractor Activities
- Update Registry
- Issue Draft RFP
- Provide Feedback
- Finalize Program Agreements
- Acq Contract Award
- Provide Datasets as GFE
- Coordinate DB Efforts
- Update Registry
Industry Role

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

“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
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
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
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
Future Actions

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