TSPG Common Dataset Standard

Concept of Operations

Discussion Summary

Tony DalSasso
677 AESG/EN
15 May 2007
TSPG Common Dataset Standard Concept of Operations Discussion Summary

Report Documentation Page

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE
15 MAY 2007

2. REPORT TYPE

3. DATES COVERED
00-00-2007 to 00-00-2007

4. TITLE AND SUBTITLE
TSPG Common Dataset Standard Concept of Operations Discussion Summary

5a. CONTRACT NUMBER

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

6. AUTHOR(S)

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
677 AESG/EN, Wright Patterson AFB, OH, 45433

8. PERFORMING ORGANIZATION REPORT NUMBER

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

10. SPONSOR/MONITOR’S ACRONYM(S)

11. SPONSOR/MONITOR’S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution unlimited

13. SUPPLEMENTARY NOTES
2007 Air Force Advance Planning Briefing to Industry (APBI), May 15, 2007, Wright-Patterson AFB, OH

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:

   a. REPORT
      unclassified

   b. ABSTRACT
      unclassified

   c. THIS PAGE
      unclassified

17. LIMITATION OF ABSTRACT
    Same as Report (SAR)

18. NUMBER OF PAGES
    16

19a. NAME OF RESPONSIBLE PERSON

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18
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

Registry

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

Identify Available Data

Locate Needed Data

Direct Data Exchange

Data Exchange Through Intermediary

Runtime Database

System-Unique Processing

Source Data

Generic Value-Added Processing

Intermediate Data in Standard Formats (Common Dataset)

Runtime Database

Simulator

Identify Available Data

Locate Needed Data

Direct Data Exchange

Data Exchange Through Intermediary

Runtime Database

Simulator
## Timeline

### TSPG Activities

<table>
<thead>
<tr>
<th>Establish DB Requirements</th>
<th>Identify Existing Coverage</th>
<th>Identify Potential Sources</th>
<th>Contact Producer Programs</th>
<th>Assess Compatibility</th>
<th>Implementation Decision</th>
<th>Obtain Sample Datasets</th>
<th>Populate Bidder's Library</th>
<th>Issue Draft RFP</th>
<th>Issue Final RFP</th>
<th>Finalize Program Agreements</th>
<th>Acq Contract Award</th>
<th>Provide Datasets as GFE</th>
<th>Update Registry</th>
<th>Accept Datasets</th>
<th>Update Registry</th>
<th>CLS Contract Award</th>
<th>Provide Datasets as GFE</th>
<th>Coordinate DB Efforts</th>
<th>Update Registry</th>
</tr>
</thead>
</table>

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

### Pre-Award
- Provide Datasets as GFE
- Coordinate DB Efforts

### Development/Production
- Create Databases
- Produce Datasets
- Distribute Datasets
- Archive Datasets

### Sustainment
- Update Datasets

### Contractor Activities
- Update Registry

Optional
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?