

PM-30 Presentation to EFCOG PCWG/SC

L3 Harris – Palm Bay, FL



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- Goal to take lessons learned from current CSV flat files and improve process for transmitting quality data to PARS per DOE Order Requirements
- Work with Tool Vendors to improve process steps for EFCOG members and DOE
- Initiated just before Covid – Took off in 2022
- Will replace current MDB and CSV formats and processes. MDB is now obsolete and a security concern. CSV improved over MDB and JSON is a significant improvement over CSV, specifically in terms of accurate repeatable and auditable data.
- JSON format was requested by Tool Vendors. DOE did not initially agree, but with Excel and other tools now easily reading in JSON, it made sense to support their request
- JSON format tables were used in the back end of PARS already

Supports EFCOG's CACRAC (Current, Accurate, Complete, Repeatable, Auditable, Compliant)



What is new since EUG EFCOG PCWG meeting

- Schema set with comments from EFCOG reviewers incorporated
- [PARS CPP JSON Schema v3.6.0 \(doe.gov\)](#)
- Key Links:
 - Official pdf specification: [DOE CPP Upload Requirements including DID](#)
 - JSON Schema file for technical implementation: [DOE CPP Upload Requirements including DID*](#)
 - JSON Schema Validator to test files: [JSON Validator](#)
- Incorporated EFCOG comments requested at EUG PCWG meeting
- Incorporated Vendor requested fields or changes as they developed
- Aligned to Vendor Tool Native Fields

** Reference to DOE Order 413.3B Chg 6 Contractor Requirements Document*



- **Technical documentation of the PARS JSON Schema format can be found here. Valid data sets documented in this DID include:**

- **DS00 header**
- **DS01 WBS**
- **DS02 OBS**
- **DS03 cost**
- **DS04 schedule**
- **DS05 schedule_logic**
- **DS06 schedule_resources**
- **DS07 IPMR_header**
- **DS08 WAD**
- **DS09 CC_log**
- **DS10 CC_log_detail**
- **DS11 variance**
- **DS12 variance_CAL**
- **DS13 subK**
- **DS14 HDV_CI**
- **DS15 risk_register**
- **DS16 risk_register_tasks**
- **DS17 WBS_EU**
- **DS18 schedule_EU**
- **DS19 schedule_calendar_std**
- **DS20 schedule_calendar_exception**
- **DS21 rates**
- **DS22 forward_pricing**



- **Oracle P6**
- **Deltek Cobra**
- **Deltek Acumen (FUSE/RISK)**
- **Decision Edge Web EVM**
- **Encore Analytics Empower**



- **Feb to March – Deltek Vendor Testing**
- **Feb to April - P6 Vendor Testing**
- **March to June – Web EVM Vendor Development and Testing**
- **Feb to May – Empower Development and Testing JSON format ingest**
- **Feb to May – PARS**
 - Upload Portal
 - DS 00 to DS 07 + DS 19 to DS 20 (Vendor Software)
 - DS 08 to DS 18 (PARS Templates)
 - DS 21 to DS 22 (PARS Templates)
- **Earliest acceptance of JSON – June – Will schedule with all 60 uploading Projects**
- **CSV to remain until all sites can change – target completion Dec 2023**
- **MDB – Ended with December 2022 data, but will remain for limited users working with PM to resolve technical challenges. Right now 9 projects**



Crosswalk Flat File to Source (FFTSCS)

Verify Crosswalk

Analyze DIQ Issues in Flat Files

Initial & Ongoing

When flat files are first developed

Contractor maintains configuration management

Defines:

Source tool

Source field

Transformations on source data

Periodic

During a review

Review against source files & ensure agreement between government and contractor

Ongoing

Every time data is uploaded

Analyze for data gaps and consistency within flat files

DIQ Specification developed for DS 00 to 07 – Version 1 of reports under development now. Target May 2023. DS 08-22 Specs later this month. Working Brian out of sending DIQ reports to users.



- **Update to DS either in V5 or 4.1**
- **Cross walk sheet from FF to DS is in place**
- **Empower Updates**
- **Empower New Views for EMVS Metrics**
- **Empower version on PARS is 4.6.**



Discussion / Q&A