1 Project File Upload Data

1.1 DOE Contractor Project Performance Upload Data Requirements

The Office of Engineering and Construction Management (OECM) is asking DOE contractors to upload several types of Project Management data to the PARS II server: (1) ANSI 748 EVM Data, (2) Schedule Data, (3) Variance Analysis Data, and (4) Management Reserve and (5) Risk Logs.

At the close of each month end reporting period the contractor should submit these data in the following file formats down to the level that is currently reported to the DOE.

1.2 Table Format Definitions:

The following tables define the data elements and data formats needed for uploading Project Management information into PARS II. Each of the following tables contains five columns describing the column headings for the data elements: Field Name, Field Type, Length, Description, and Required (Req.). The column headings must be spelled exactly as they are stated in each table.

The recommended medium for gathering and uploading these data elements is a database, such as MS Access, that contains the definition of all of the tables defined in this section. This approach allows the user to attach one file (database) containing all of the data elements as defined in the tables below.

Other acceptable electronic media that produce formatted text are as follows: 1) Common Separated Values (CSV), produced by spreadsheets or database management systems; 2) eXtensible Markup Language (XML). CSV file formats will require different files to be created for each table type defined below. Thus more file attachments and different file upload settings will be required and used for the upload process. XML, in combination with other standards, makes it possible to define the content of data separately from its formatting, making such formats easy to reuse. However, the current lack of standardization for EVM and Schedule data elements in XML at this time makes this approach less reliable. In the future, the UN/CEFACT XML standard will be successfully deployed in industry, allowing this approach to produce consistent results.

Table 1: Table Format Definitions

Field	Description
Field Name	This is the required "Column Heading" for the data elements that will be collected in each table. The table must contain the exact spelling for each column. The Field Name ensures that the data will be posted to the proper data element in PARS II.
Field Type	Each column expects a certain data type. The standard data types used in these tables are as follows: VARCHAR - Alpha

	numeric, DATETIME - Date, INT - Integer, Numeric - Number, Boolean - Logical typically Yes/No, Object - Attachment and Text - Large are for Narrative Inputs.
Length	Number of characters or bytes allowed for the Field depending on the Field Type.
Description	Provides a Brief Description of the Field and its use.
Req.	An "*" in the column means that the data element is required. If the required data element is a numeric value then at a minimum a value of zero (0) must be entered.

1.3 ANSI 748 EVM Data

To meet the data reporting requirements of the DOE EVM Gold Card, contractors are asked to provide two data upload file formats. The first file format can be achieved by generating the ANSI 748 EDI X12 output from a commercially available software application that supports compliant EVM systems. The X12 file will provide the EVM data elements for current, cumulative to date, and at completion information.   The second file format is called EV Time-phased Incremental Data, and can be achieved by populating the EV Time-phased Incremental table, as described in section 1.3.2 below.

1.3.1 ANSI 748A EDI X12 Data

The ANSI X12 data formats and definitions are published in the most recent PROJECT COST REPORTING TRANSACTION SET - COST PERFORMANCE REPORTS document. DOE has selected this transaction set as a method of collecting EVM data since it is supported by many commercially available software applications in use in the market today. Contractors' EV software will generate the X12 file output and the PARS II CPP upload will read the data into the system without additional effort required.

1.3.2 EV Time-phased Incremental Data for Each Period by WBS and/or OBS

These data elements are necessary to fulfill the DOE Gold Card's requirement to show the time phasing of BCWS, BCWP, ACWP and ETC. Table 2 describes the data elements to be included in the Earned Value (EV) time-phased data set. These data elements are commonly used by all organizations that are required to submit EVM data into PARS II. The table includes incremental Cost and Quantity (hours or units) values: by period, by WBS, and/or OBS element. Quantity values are optional for PARS II use.

The key data fields for this table are ProjectName, StatusDate, and either WBSNUM or OBSNUM. These fields are required data elements as identified by an asterisk (*) in the table below. This table only requires that WBS/OBS elements containing cost and/or quantities values need to be included in the table for submittal to PARS II. The table does not include the WBS/OBS structures because those are already provided in the ANSI 748A EDI X12 data (described above in section 1.3.2). PARS II does not require quantity values for EVM data elements; these are optional for use by the project team.

Table 2: EV Time-phased Data

Field Name	Field Type	Length	Description	Req.
			EV Time-phased Incremental Data For Each Period By WBS and/or OBS	
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
WBSNUM	VARCHAR	35	WBS Element or ID - Leave Blank if Only OBS Reporting	
OBSNUM	VARCHAR	50	OBS Element or ID - Leave Blank for WBS Only Reporting	
ActNam	VARCHAR	16	Activity Name - Leave Blank if Not reporting to Activity Level	
ResNam	VARCHAR	20	Resource Name - Leave blank if not reporting to Resource Level	
Period	DATETIME		End Date of Period Where Each Cost Is Timephased	*
WBSDesc	VARCHAR	255	WBS Description - Title Left Blank for OBS Only	
OBSDesc	VARCHAR	255	OBS Description - Title Left Blank for WBS Only	
CINCBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS	*
CINCBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP - No Future Values from Time Now/Status Date	*
CINCACWP	NUMERIC	16	Cost Incremental Actual Value/ACWP - No Future Values from Time Now/Status Date	*
CINCETC	NUMERIC	16	Cost Incremental ETC - Future from Status Date	*
QINCBCWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS	
QINCBCWP	NUMERIC	16	Quantity Incremental Earned Value/BCWP - No Future Values from Time Now/Status Date	
QINCACWP	NUMERIC	16	Quantity Incremental Actual Value/ACWP - No Future Values from Time Now/Status Date	
QINCETC	NUMERIC	16	Quantity Incremental ETC - Future from Status Date	

1.4 Activity Schedule Data

These schedule data elements, shown in Table 3, provide the ability to link the Integrated Master Schedule (IMS) with the WBS and OBS EVM elements. Both the baseline and working schedule activity information is gathered in this table. Gathering this data provides a unique way to show traceability from the WBS/OBS to the activities that impact project performance, and to highlight which of those activities are critical. This is meant to compliment the critical path analysis provided by the contractor's scheduling system. The table below describes the activity data elements to be included in PARS II for schedule analysis.

The key data fields for this table are ProjectName, StatusDate, ActNam and ActType. These fields are required data elements as identified by an asterisk (*) in the table below.

Table 3 Activity Schedule Data

Activity Schedule Data -- Schedule_Activity				
Field Name	**Field Type**	**Length**	**Description**	**Req.**
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		Status Date	*
ActNam	VARCHAR	16	Activity Name or Code or ID	*
ActDesc	VARCHAR	255	Activity Description	
WBSNUM	VARCHAR	36	WBS Element - Description will be referred to from CPR or Timephased Formats	
OBSNUM	VARCHAR	50	OBS Element - Description will be referred to from CPR or Timephased Formats	
ActType	VARCHAR	1	Activity Type (A =Activity, S = Summary, M = Milestone, H = Hammock)	*
CUR_StrCon	VARCHAR	3	Current Start Constraint (SNE = Start No Earlier, SNL = Start No Later, SON = Start On, ACS = Actual Start)	
CUR_StrConDate	DATETIME		Current Start Constraint Date	
CUR_FinCon	VARCHAR	3	Current Finish Constraint (FNE = Finish No Earlier, FNL = Finish No Later, FON = Finish On, ACF = Actual Finish)	
CUR_FinConDate	DATETIME		Current Finish Constraint Date	
CUR_ESDate	DATETIME		Current Early Start	

Activity Schedule Data -- Schedule_Activity				
Field Name	Field Type	Length	Description	Req.
CUR_EFDate	DATETIME		Current Early Finish	
CUR_LSDate	DATETIME		Current Late Start	
CUR_LFDate	DATETIME		Current Late Finish	
CUR_FreeFlt	INT	4	Current Free Float (In Days)	
CUR_TtlFlt	INT	4	Current Total Float (In Days)	
CUR_Crit	BOOLEAN	1	Current Critical Path	
CUR_OrgDur	INT	4	Current Original Duration (In Days)	
CUR_RemDur	INT	4	Current Remaining Duration (In Days)	
CUR_PctCmp	NUMERIC	16	Current Percent Complete	
BAS_StrCon	VARCHAR	3	Baseline Start Constraint (SNE = Start No Earlier, SNL = Start No Later, SON = Start On, ACS = Actual Start)	
BAS_StrConDate	DATETIME		Baseline Start Constraint Date	
BAS_FinCon	VARCHAR	3	Baseline Finish Constraint (FNE = Finish No Earlier, FNL = Finish No Later, FON = Finish On, ACF = Actual Finish)	
BAS_FinConDate	DATETIME		Baseline Finish Constraint Date	
BAS_ESDate	DATETIME		Baseline EarlyStart	
BAS_EFDate	DATETIME		Baseline Early Finish	
BAS_LSDate	DATETIME		Baseline Late Start	
BAS_LFDate	DATETIME		Baseline Late Finish	
BAS_FreeFlt	INT	4	Baseline Free Float (In Days)	
BAS_TtlFlt	INT	4	Baseline Total Float (In Days)	
BAS_Crit	BOOLEAN	1	Baseline Critical Path	
BAS_OrgDur	INT	4	Baseline Original Duration (In Days)	
BAS_RemDur	INT	4	Baseline Remaining Duration (In Days)	
BAS_PctCmp	NUMERIC	16	Baseline Percent	

1.5 Activity Relationship Data

These schedule data elements provide the ability to identify any changes in the Integrated Master Schedule (IMS) that might impact the float between activities and in the critical path. This table provides a means to analyze changes from month to month

in the baseline and working schedule. This table describes the activity relationship data elements to be included in PARS II for schedule analysis.

All of the data fields in this table are key data fields, and are required. The field descriptions are provided below.

Table 4 Activity Relationship Data

Activity Releationship Data -- Schedule_Relationship				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		Status Date	*
ActNam	VARCHAR	16	Predecessor Activity Name or Code	*
ActNamRel	VARCHAR	16	Successor Activity Name or Code	*
CUR_RelType	VARCHAR	2	Current Relationship Type: FS, SS, FF, SF, HS, HF	*
CUR_Lag	INT	4	Current Lag (positive)/Lead (negative)	*
BAS_RelType	VARCHAR	2	Baseline Relationship Type: FS, SS, FF, SF, HS, HF	*
BAS_Lag	INT	4	Baseline Lag (positive)/Lead (negative)	*

1.6 Variance Analysis Data by WBS

These data elements are necessary to fulfill the DOE Gold Card requirement to show the cost and schedule variances and indices for EVM analysis by WBS. This table describes the data elements to be included in the Variance Analysis data set by WBS. It is used by all organizations that are required to submit Variance Analysis into PARS II. This data set includes incremental, cumulative, and at completion Cost and schedule variances and performance indices. Additionally, it provides for up to five Independent Estimate At Completion values and formulas to be submitted by the contractor or FPD. A narrative can be entered and/or a document can be attached explain the cause, impact, and corrective action for each WBS variance that exceeds a threshold.

The key data fields for this table are ProjectName, StatusDate and WBSNUM. These fields are required data elements as identified by an asterisk (*) in the table below. The table will use the WBS structures provided in the ANSI 748A EDI X12 data.

Table 5 Variance Analysis Data by WBS

Variance Analysis Data By WBS -- EV_Var_Analysis_WBS

Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
WBSNUM	VARCHAR	35	WBS Element or ID	*
CINCSV	NUMERIC	16	Incremental Schedule Variance	
CINCCV	NUMERIC	16	Incremental Cost Variance	
CINCSPI	NUMERIC	16	Incremental Schedule Performance Index	
CINCCPI	NUMERIC	16	Incremental Cost Performance Index	
CCUMSV	NUMERIC	16	Cumulative Schedule Variance	
CCUMCV	NUMERIC	16	Cumulative Cost Variance	
CCUMSPI	NUMERIC	16	Cumulative Schedule Performance Index	
CCUMCPI	NUMERIC	16	Cumulative Cost Performance Index	
CVAC	NUMERIC	16	Variance At Complete	
CIEAC1	NUMERIC	16	Independent Estimate At Complete 1	
IEAC1Meth	VARCHAR	50	Method of Calculation for IEAC 1	
CIEAC2	NUMERIC	16	Independent Estimate At Complete 2	
IEAC2Meth	VARCHAR	50	Method of Calculation for IEAC 2	
CIEAC3	NUMERIC	16	Independent Estimate At Complete 3	
IEAC3Meth	VARCHAR	50	Method of Calculation for IEAC 3	
CIEAC4	NUMERIC	16	Independent Estimate At Complete 4	
IEAC4Meth	VARCHAR	50	Method of Calculation for IEAC 4	
CIEAC5	NUMERIC	16	Independent Estimate At Complete 5	
IEAC5Meth	VARCHAR	50	Method of Calculation for IEAC 5	
Narrative	TEXT		Text of Variance Analysis	
Document	OBJECT		Document Attachment - optional	

1.7 Variance Analysis Data by OBS

These data elements are necessary to fulfill the DOE EVM Gold Card requirement to show the cost and schedule variances and indices for EVM analysis by OBS. Table 6 describes the data elements to be included in the in the Variance Analysis data set by OBS. This data set is used by all organizations that are required to submit Variance Analysis into PARS II. It includes incremental, cumulative and at completion Cost and schedule variances and performance indices. Additionally, it provides for up to five Independent Estimate At Completion values and formulas to be submitted by the contractor or FPD. A narrative can be entered and/or a document can be attached

explain the cause, impact, and corrective action for each OBS variance that exceeds a threshold.

The key data fields for this table are ProjectName, StatusDate and OBSNUM. These fields are required data elements as identified by an asterisk (*) in table 6 below. The table will use the OBS structures provided in the ANSI 748A EDI X12 data.

Table 6 Variance Analysis Data by OBS

Variance Analysis Data By OBS -- EV_Var_Analysis_OBS				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
OBSNUM	VARCHAR	50	OBS Element or ID	*
CINCSV	NUMERIC	16	Incremental Schedule Variance	
CINCCV	NUMERIC	16	Incremental Cost Variance	
CINCSPI	NUMERIC	16	Incremental Schedule Performance Index	
CINCCPI	NUMERIC	16	Incremental Cost Performance Index	
CCUMSV	NUMERIC	16	Cumulative Schedule Variance	
CCUMCV	NUMERIC	16	Cumulative Cost Variance	
CCUMSPI	NUMERIC	16	Cumulative Schedule Performance Index	
CCUMCPI	NUMERIC	16	Cumulative Cost Performance Index	
CVAC	NUMERIC	16	Variance At Complete	
CIEAC1	NUMERIC	16	Independent Estimate At Complete 1	
IEAC1Meth	VARCHAR	50	Method of Calculation for IEAC 1	
CIEAC2	NUMERIC	16	Independent Estimate At Complete 2	
IEAC2Meth	VARCHAR	50	Method of Calculation for IEAC 2	
CIEAC3	NUMERIC	16	Independent Estimate At Complete 3	
IEAC3Meth	VARCHAR	50	Method of Calculation for IEAC 3	
CIEAC4	NUMERIC	16	Independent Estimate At Complete 4	
IEAC4Meth	VARCHAR	50	Method of Calculation for IEAC 4	
CIEAC5	NUMERIC	16	Independent Estimate At Complete 5	
IEAC5Meth	VARCHAR	50	Method of Calculation for IEAC 5	
Narrative	TEXT		Text of Variance Analysis	
Document	OBJECT		Document Attachment - optional	

1.8 Management Reserve Log

These data elements are necessary to fulfill the DOE Gold Card requirement to show the initial set up and allocation of Management Reserve to the WBS and OBS. Table 7 describes the data elements to be included in the in the Management Reserve data set. These data elements provide the ability to track Management Reserve (MR) similar to a fund or checking account that identifies all transactions affecting MR.

The key data fields for this table are ProjectName, StatusDate and LogDate. The required transaction fields are the CBALANCE and either the CCREDIT or CDEBT, depending on the type of transaction. These fields are required data elements as identified in table 7 below.

Table 7 Management Reserve Log

Management Reserve Log -- EV_MR_Log				
Field Name	**Field Type**	**Length**	**Description**	**Req.**
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
LogDate	DATETIME		Date when MR Change was made (or effective date)	*
WBSNUM	VARCHAR	35	WBS Element or ID - Leave Blank if Only OBS Reporting	
OBSNUM	VARCHAR	50	OBS Description - Leave Blank for WBS Only Reporting	
ActNam	VARCHAR	16	Activity MR was applied to - Leave Blank if not reporting to Activity Level	
ResNam	VARCHAR	50	Resource MR was applied to - Leave blank if not reporting to resource level	
CCREDIT	NUMERIC	16	Amount of Credit to MR	*
CDEBIT	NUMERIC	16	Amount of Debit to MR	*
CBALANCE	NUMERIC	16	Balance of MR after change	*
Narrative	TEXT		Text Description of MR change	
Document	OBJECT		Document Attachment – optional	

1.9 Risk Log Data

These data elements are necessary to fulfill the DOE requirement to show the impact of project risks to the WBS and OBS. Table 8 describes the data elements to be included in the in the Risk Log data set. The data elements provide the ability to track risks by type, identify the probability and consequence to the project. A unit of measure to quantify the risk is available, as are the dates when the risk was identified and when it has been closed out. Text fields are available to describe a mitigation plan or provide other narrative.

The key data fields for this table are ProjectName, StatusDate, RiskCode, RiskType, Title, and Closed. These fields are required data elements as identified by an asterisk (*) in table 8 below.

Table 8 Risk Log Data

Risk Log Data -- Risk_Log				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
WBSNUM	VARCHAR	35	WBS Element or ID - Leave Blank if Only OBS Reporting	
OBSNUM	VARCHAR	50	OBS Description - Leave Blank for WBS Only Reporting	
RiskCode	VARCHAR	50	Identifier Code For Risk Item	*
RiskType	VARCHAR	20	Type of Risk (External, Administrative, Schedule, Cost, Technical)	*
Title	VARCHAR	255	Title of Risk Item	*
Mitigation	TEXT		Risk Mitigation Plan	
Probability	NUMERIC	16	Risk Probability	
Consequence	TEXT		Risk Impact/Consequence	
Quantity	NUMERIC	16	Quantification of Risk	
UnitofMeasure	VARCHAR	50	Unit of Measure for Quantity (Dollars, Days, Hours, Etc)	
Closed	BOOLEAN	1	Indicates Whether Risk Item is Open (No) or Closed (Yes)	*
Status	TEXT		Risk Status	
Narrative	TEXT		Text Description of Risk	
Document	OBJECT		Document Attachment - optional	

1.10 Responsibility Assignment Matrix (RAM) Data

The RAM is an optional data table. The data elements in Table 9 will provide the ability to identify when the intersection of the WBS and OBS is either a Control Account (CA) or Work Package (WP).   An added benefit of this data set is the association of all EVM metrics with the CA and/or WP level.

The key data fields for this table are ProjectName, StatusDate, WBSNUM and OBSNUM. These fields are required data elements as identified by an asterisk (*) in table 9 below.

Table 9 RAM Data Log

Responsibility Assignment Matrix (WBS/OBS Matrix) -- EV_RAM				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
WBSNUM	VARCHAR	35	WBS Element or ID	*
OBSNUM	VARCHAR	50	OBS Element or ID	*
CostAccount	BOOLEAN	1	Cost Account Flag	
WorkPackage	BOOLEAN	1	Work Package Flag	

1.11 Contract Project CPR Header Information Data

The following data tables 10, 11, and 12 are provided for conditions when the contractor cannot generate the ANSI EDI X12 file outputs. Whenever this condition exists, the contractor can opt to provide the ANSI EVM data elements formatted as shown in the tables below.

Table 10 provides the contract information required for the CPR Format header information. The ProjectName and StatusDate are the key data fields that are required for this table.   The other data elements provide contract type and cost information. Although the database does not require all of the data elements, each element should be provided in order to produce a complete set of EVM header data.

Table 10 Contract Project CPR Header Information

Contract and Project CPR Header Information -- EV_CPR_Header

Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
ProjDsc	VARCHAR	255	Project Description	
ConNum	VARCHAR	50	Contract Number	
ConTyp	VARCHAR	4	Contract Type (CPAF, CPFF, CPIF, CPR, CPE, FPI, FFP, T&M)	
ProgType	VARCHAR	50	Program Type (RDT&E, Production, RDT&E and Production, Advanced Design, Demonstration Validation, Full Scale Development, etc)	
Security	VARCHAR	50	Security Classification (Competition Sensitive, Unclassified, Confidential, Secret, Top Secret)	
QCON	INT	4	Quantity Contracted (For Production Contracts)	
ShrNum	INT	4	Share Number	
ShrQut	INT	4	Share Quotient	
TrgtPct	NUMERIC	16	Target Fee/Percent	
Factor	INT	4	Factor for costs (100, 1000, 1000000, etc) - Applies to all tables	
CNEGCST	NUMERIC	16	Negotiated Cost	
CAUWCST	NUMERIC	16	Authorized Unpriced Work	
CTGTPRC	NUMERIC	16	Target Price	
CESTPRC	NUMERIC	16	Estimated Price	
CCONCEIL	NUMERIC	16	Contract Ceiling	
CESTCEIL	NUMERIC	16	Estimated Contract Ceiling	
CTGTCST	NUMERIC	16	Original Target Cost	
CNEGCHG	NUMERIC	16	Negotiated Contract Changes	
CCONBGT	NUMERIC	16	Contract Budget Base	
CTOTBGT	NUMERIC	16	Total Allocated Budget	
CESTEACBEST	NUMERIC	16	EAC Best Case Estimate	
CESTEACWRST	NUMERIC	16	EAC Worst Case Estimate	
CESTEACLIKE	NUMERIC	16	EAC Most Likely Estimate	
ConStrDate	DATETIME		Contract Start Date	
EstCmpDate	DATETIME		Estimated Completion Date	
ConDefDate	DATETIME		Contract Definitization Date	

Contract and Project CPR Header Information -- EV_CPR_Header				
Field Name	Field Type	Length	Description	Req.
LstDelDate	DATETIME		Last Item Delivery Date	
ConCmpDate	DATETIME		Contract Completion Date	

1.12 Cumulative/Incremental Data by WBS – CPR Format 1

This table describes the data elements to be included in the CPR Format 1 EV data set. It is used only by those organizations that do not have the capability to generate the ANSI 748 EDI X12 file outputs from their EVM software tool. It includes Cost and Quantity values for cumulative and incremental periods by WBS element.

The key data fields for this table are ProjectName, StatusDate, WBSNUM and WBSLevel, and are required data elements as defined in table 11 below.

Table 11 Cumulative/Incremental EV Data by WBS - CPR Format 1

Cumulative and Incremental Data By WBS -- EV_CPR_Format1				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
WBSNUM	VARCHAR	35	WBS Element or ID	*
WBSDesc	VARCHAR	255	WBS Description	
WBSParent	VARCHAR	35	Parent WBS Element - Leave Blank for top level WBS (there should be only one top level WBS)	
WBSLevel	INT	4	Level in WBS Structure	*
CINCBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
CINCBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	*
CINCACWP	NUMERIC	16	Cost Incremental Actual Value/ACWP (current period)	*
CCUMBCWS	NUMERIC	16	Cost Cumulative Planned Value/BCWS (to date)	*
CCUMBCWP	NUMERIC	16	Cost Cumulative Earned Value/BCWP (to date)	*
CCUMACWP	NUMERIC	16	Cost Cumulative Actual Value/ACWP (to date)	*
CBAC	NUMERIC	16	Cost Budget At Complete	*
CEAC	NUMERIC	16	Cost Estimate At Complete	*
CETC	NUMERIC	16	Cost Estimate To Complete	*
CRPGVAR	NUMERIC	16	Cost Reprogramming Adjustment To Variance	
CRPGBCWS	NUMERIC	16	Cost Reprogramming Adjustment To Budget	
QINCBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	
QINCBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	
QINCACWP	NUMERIC	16	Cost Incremental Actual Value/ACWP (current period)	
QCUMBCWS	NUMERIC	16	Cost Cumulative Planned Value/BCWS (to date)	

QCUMBCWP	NUMERIC	16	Cost Cumulative Earned Value/BCWP (to date)	
QCUMACWP	NUMERIC	16	Cost Cumulative Actual Value/ACWP (to date)	
QBAC	NUMERIC	16	Cost Budget At Complete	
QEAC	NUMERIC	16	Cost Estimate At Complete	
QETC	NUMERIC	16	Cost Estimate To Complete	
QRPGVAR	NUMERIC	16	Cost Reprogramming Adjustment To Variance	
QRPGBCWS	NUMERIC	16	Cost Reprogramming Adjustment To Budget	

1.13 Cumulative/Incremental Data by OBS – CPR Format 2

Table 12 describes the data elements to be included in the CPR Format 2 EV data set. It is used only by those organizations that do not have the capability to generate the ANSI 748 EDI X12 file outputs from their EVM software tool. It includes Cost and Quantity values for cumulative and incremental periods by OBS element.

The key data fields for this table are ProjectName, StatusDate, OBSNUM and OBSLevel are required data elements as defined in table 12 below.

Table 12 Cumulative/Incremental EV Data by OBS - CPR Format 2

Cumulative and Incremental Data By OBS -- EV_CPR_Format2				
Field Name	Field Type	Length	Description	Req.
ProjectName	VARCHAR	50	Project Identification Code	*
StatusDate	DATETIME		End Date of Current Reporting Period	*
OBSNUM	VARCHAR	50	OBS Element or ID	*
OBSDesc	VARCHAR	255	OBS Description	
OBSParent	VARCHAR	50	Parent OBS Element - Leave Blank for top level OBS (there should be only one top level WBS)	
OBSLevel	INT	4	Level in OBS Structure	*
CINCBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
CINCBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	*
CINCACWP	NUMERIC	16	Cost Incremental Actual Value/ACWP (current period)	*
CCUMBCWS	NUMERIC	16	Cost Cumulative Planned Value/BCWS (to date)	*
CCUMBCWP	NUMERIC	16	Cost Cumulative Earned Value/BCWP (to date)	*
CCUMACWP	NUMERIC	16	Cost Cumulative Actual Value/ACWP (to date)	*
CBAC	NUMERIC	16	Cost Budget At Complete	*
CEAC	NUMERIC	16	Cost Estimate At Complete	*
CETC	NUMERIC	16	Cost Estimate To Complete	*

Cumulative and Incremental Data By OBS -- EV_CPR_Format2				
Field Name	Field Type	Length	Description	Req.
CRPGVAR	NUMERIC	16	Cost Reprogramming Adjustment To Variance	
CRPGBCWS	NUMERIC	16	Cost Reprogramming Adjustment To Budget	
QINCBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	
QINCBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	
QINCACWP	NUMERIC	16	Cost Incremental Actual Value/ACWP (current period)	
QCUMBCWS	NUMERIC	16	Cost Cumulative Planned Value/BCWS (to date)	
QCUMBCWP	NUMERIC	16	Cost Cumulative Earned Value/BCWP (to date)	
QCUMACWP	NUMERIC	16	Cost Cumulative Actual Value/ACWP (to date)	
QBAC	NUMERIC	16	Cost Budget At Complete	
QEAC	NUMERIC	16	Cost Estimate At Complete	
QETC	NUMERIC	16	Cost Estimate To Complete	
QRPGVAR	NUMERIC	16	Cost Reprogramming Adjustment To Variance	
QRPGBCWS	NUMERIC	16	Cost Reprogramming Adjustment To Budget	