| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | 1. CONTRACT ID CODE | PAGE OF PAGES 1 | 2 |
|---|---|---|---|

| 2. AMENDMENT/MODIFICATION NO. 078 | 3. EFFECTIVE DATE See Block 16C | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
|---|---|---|---|

| 6. ISSUED BY CODE 00601 | 7. ADMINISTERED BY (If other than Item 6) CODE 00601 |
|---|---|
| Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352 | Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352 |

| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) | (x) | 9A. AMENDMENT OF SOLICITATION NO. |
|---|---|---|
| CH2M HILL PLATEAU REMEDIATION COMPANY Attn: ANNIE BAULER 2425 Stevens Center RICHLAND WA 993541659 | | 9B. DATED (SEE ITEM 11) |
| | X | 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-08RL14788 |
| CODE 805603128          FACILITY CODE | | 10B. DATED (SEE ITEM 11) 06/19/2008 |

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

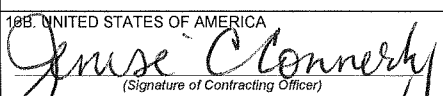| CHECK ONE X | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. FAR 52.243-2, Changes - Cost Reimbursement |
|---|---|
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| | D. OTHER (Specify type of modification and authority) |

E. IMPORTANT:     Contractor     ☒ is not,  ☐ is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Subj to Retent: N
A) CHANGE ORDER #27:  In accordance with FAR
52.243-2, Changes - Cost Reimbursement, Section H
is revised to include the new clause H.49,
Project Management Controls, as provided in
Attachment 1.

Funds to be expended to prepare a rough order
magnitude estimate and change proposal in
accordance with the definitization schedule
provided in Attachment 1, shall not exceed
Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

| 15A. NAME AND TITLE OF SIGNER (Type or print) | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jenise C. Connerly |
|---|---|
| 15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA _Jenise C. Connerly_ (Signature of Contracting Officer) | 16C. DATE SIGNED 10-30-09 |

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

| CONTINUATION SHEET | REFERENCE NO. OF DOCUMENT BEING CONTINUED | | PAGE | OF |
|---|---|---|---|---|
| | DE-AC06-08RL14788/078 | | 2 | 2 |

NAME OF OFFEROR OR CONTRACTOR

CH2M HILL PLATEAU REMEDIATION COMPANY

| ITEM NO. (A) | SUPPLIES/SERVICES (B) | QUANTITY (C) | UNIT (D) | UNIT PRICE (E) | AMOUNT (F) |
|---|---|---|---|---|---|
| | $10,000.00 from funds previously allotted to this contract in accordance with Clause B.3, Obligation and Availability of Funds. | | | | |
| | Implementation of this change order shall not begin until January 15, 2010. | | | | |
| | B) Replacement pages H-iii, and H-51 through H-62 are attached. | | | | |
| | There are no other changes to the terms and conditions of the contract. Period of Performance: 06/19/2008 to 09/30/2013 | | | | |

NSN 7540-01-152-8067

OPTIONAL FORM 336 (4-86)
Sponsored by GSA
FAR (48 CFR) 53.110

The schedule for definitizing this modification is as follows:

| Action | Date* |
|---|---|
| Contractor submits rough order magnitude estimate | 30 days |
| Contractor submits technical, cost, and fee Change Proposal | 60 days |
| Commence negotiations | 140 days |
| Mutual agreement on definitization | 160 days |
| Contractor submits certificate of current cost or pricing data (if req'd) | 160 days |
| Execute definitization contract modification | 180 days |

*\*Date is specified as the number of calendar days after the contractor has authorization to proceed, which occurs after government execution of this modification.*

Section H is modified to include a new clause, H.49, Project Management Controls, as follows:

## H.49 PROJECT MANAGEMENT CONTROLS

(a) Project Control System

  (1) Definition

  The contractor shall support the establishment and maintenance of the Department of Energy Environmental Management Project Management Information System (EM PMIS) from which comprehensive, project-wide performance reports are generated. In addition, the contractor shall provide all necessary technical information and support to enable DOE to proceed with the Critical Decision process and enable DOE to meet the data requirements of the Integrated Planning, Accountability and Budgeting System.

  (2) Acronyms

  The following is a listing of acronyms and their meaning as used in this clause:

| | |
|---|---|
| ACWP | Actual Cost of Work Performed |
| ANSI | American National Standards Institute |
| BCWS | Budgeted Cost of Work Scheduled |
| BCWP | Budgeted Cost of Work Performed |
| CPR | Contractor Performance Report |
| EDI | Electronic Data Interchange |
| EIA | Electronic Industry Association |
| EM | Environmental Management |

| | |
|---|---|
| ETC | Estimate to Complete |
| EV | Earned Value |
| IPABS | Integrated Planning, Accountability and Budgeting System |
| MR | Management Reserve |
| OBS | Organizational Breakdown Structure |
| PMIS | Project Management Information System |
| RDT&E | Research, Development, Testing and Evaluation |
| WBS | Work Breakdown Structure |

(3)     Data Requirements

In support of EM PMIS implementation and maintenance, the contractor shall provide the following data elements on a monthly basis:

- ANSI/EIA-748 Earned Value Metrics
- Earned Value Time-Phased Incremental Cost and Quantity Data
- Management Reserve Data
- Schedule Data
- Variance Analysis Data
- Risk Data

The required data elements shall be reported as provided by and consistent with the terms of the contract.  In the absence of contractually specific reporting requirements, the contractor shall report the required data by the 15th business day following the report month (i.e., June data shall be reported by the 15th business day of July).  Specific reporting requirements and formats follow.  The contractor shall submit information for all data elements, as listed in the tables below.

ANSI/EIA-748 Earned Value Metrics

The contractor shall report monthly cost and schedule metrics by Work Breakdown Structure (WBS) and Organizational Breakdown Structure (OBS) against the approved Project Management Baseline.  The reporting data elements are:

- Monthly BCWS, BCWP, ACWP, Cost and Schedule Variance
- Cumulative-to-Date BCWS, BCWP, ACWP, Cost and Schedule Variance
- Cost Budget at Complete
- Cost Estimate to Complete
- Reprogramming Adjustment – Cost Variance
- Reprogramming Adjustment – Budget

The reporting format is noted in Tables 3.6.1, 3.6.2, and 3.6.3, below.

Earned Value Time-Phased Incremental Cost and Quantity Data

The contractor shall report incremental cost and schedule performance data on a monthly basis by the lowest level of the WBS and OBS.  The reporting data elements are:

- BCWS for the project duration
- BCWP from the project start through the current month
- ACWP from the project start through the current month
- ETC from the current month through the end of the project

The reporting format is noted in Table 3.1, below.

Management Reserve Data

The contractor shall report Management Reserve by WBS and OBS using the data elements *Transaction Date*, *Credit*, *Debit* and *Account Balance*. The reporting format is noted in Table 3.2, below.

Schedule Data

The contractor shall report Schedule data by WBS and OBS; the following data elements shall be reported:

- Type of Activity
- Early/Late Start
- Early/Late Finish
- Start and Finish constraints
- Durations
- Critical Path
- Total and Fee Float
- % Complete
- 

The reporting format is noted in Tables 3.3.1 and 3.3.2, below.

Variance Analysis Data

The contractor shall report variances by WBS and OBS that exceed 10%. The following data elements shall be reported:

- Monthly Cost and Schedule Variances and Performance Indices
- Cumulative-to-Date Cost and Schedule Variances and Performance Indices
- Variance at Completion
- Estimate at Completion and the Method of Calculation
- Narrative

The reporting format is noted in Tables 3.4.1 and 3.4.2, below.

Risk Data

The contractor shall report risk information by WBS and OBS by a minimum set of data elements that include, but not limited to the following:

- Type of Risk

- Probability of Occurrence
- Quantification of Risk
- Mitigation
- Status

The reporting format and current list of reportable fields is noted in Table 3.5 below.

**EM PMIS REPORTING FORMAT TABLES**

**Table 3.1**

| Earned Value Time Phased Table<br>Earned Value Time-phased Incremental Data for Each Period by WBS and OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| ActNam | VARCHAR | 16 | Activity Name | |
| Resnam | VARCHAR | 20 | Resource Name | |
| Period | DATETIME | | End Date of Period where Each cost is Time Phased | * |
| WBSDesc | VARCHAR | 255 | WBS Description | |
| OBSDesc | VARCHAR | 255 | OBS Description | |
| CINCBCWS | NUMERIC | 16 | Cost Incremental Planned Value/BCWS | * |
| CINCBCWP | NUMERIC | 16 | Cost Incremental Planned Value/BCWP | * |
| CINCAWWP | NUMERIC | 16 | Cost Incremental Planned Value/ACWP | * |
| CINCETC | NUMERIC | 16 | Cost Incremental ETC-Future from Status Date | * |
| QINCBCWS | NUMERIC | 16 | Quantity Incremental Planned Value/BCWS | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Planned Value/BCWP | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Planned Value/ACWP | |
| QINCETC | NUMERIC | 16 | Quantity Incremental ETC-Future from Status Date | |

**Table 3.2**

| Earned Value Management Reserve Log Table Management Reserve Log | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| ProjectName | VARCHAR | 50 | Project Identification Code | * |
| StatusDate | DATETIME | | End Date of Current Reporting Period | * |
| LogDate | DATETIME | | Date of MR Change | * |
| WBSNUM | VARCHAR | 35 | WBS Element or ID | |
| OBSNUM | VARCHAR | 50 | OBS Element or ID | |
| ActNam | VARCHAR | 16 | Activity MR was applied to | |
| ResNam | VARCHAR | 20 | Resource MR was applied to | |
| CCREDIT | NUMERIC | 16 | Amount of Credit to MR | * |
| CBEBIT | 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 | |

**Table 3.3.1**

| Schedule Activity Table Activity Schedule Date | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | 35 | WBS Element | |
| OBSNUM | VARCHAR | 50 | OBS Element | |
| ActType | VARCHAR | 1 | Activity Type (A=Activity, S=Summary, M=Milestone, H=Hammock | * |
| CURStrCon | VARCHAR | 3 | Current Start Constraint | |
| CURStrConDate | DATETIME | | Current Start Constraint Date | |
| CURFinCon | VARCHAR | 3 | Current Finish Constraint | |
| CURFinConDate | DATETIME | | Current Finish Constraint Date | |
| CURESDate | DATETIME | | Current Early Start Date | |
| CUREFDate | DATETIME | | Current Early Finish Date | |
| CURLSDate | DATETIME | | Current Late Start Date | |
| CURLFDate | DATETIME | | Current Late Finish Date | |
| CUR FreeFit | INT | 4 | Current Free Float (Days) | |
| CURTtlFit | INT | 4 | Current Total Float (Days) | |
| CURCrit | BOOLEAN | 1 | Current Critical Path | |
| CUROrgDur | INT | 4 | Current Original Duration (Days) | |
| CURRemDur | INT | 4 | Current Remaining Duration (Days) | |
| CURPctCmp | NUMERIC | 16 | Current Percent Complet | |
| BASStrCon | VARCHAR | 3 | Baseline Start Constraint | |

| Schedule Activity Table Activity Schedule Date | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| BASStrConDate | DATETIME | | Baseline Start Constraint Date | |
| BASFinCon | VARCHAR | 3 | Baseline Finish Constraint | |
| BASFinConDate | DATETIME | | Baseline Finish Constraint Date | |
| BASESDate | DATETIME | | Baseline Early Start Date | |
| BASEFDate | DATETIME | | Baseline Early Finish Date | |
| BASLSDate | DATETIME | | Baseline Late Start Date | |
| BASLFDate | DATETIME | | Baseline Late Finish Date | |
| BASFreeFlt | INT | 4 | Baseline Free Float (Days) | |
| BASTtlFit | INT | 4 | Baseline Total Float (Days) | |
| BASCrit | BOOLEAN | 1 | Baseline Critical Path | |
| BASOrgDur | INT | 4 | Baseline Original Duration (Days) | |
| BASRemDur | INT | 4 | Baseline Remaining Duration (Days) | |
| BASPctCmp | NUMERIC | 16 | Baseline Percent | |

**Table 3.3.2**

| Schedule Relationship Table Activity Relationship Data | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | * |
| CURRelType | VARCHAR | 2 | Current Relationship Type:<br>FS = Finish to Start<br>SS = Start to Start<br>FF = Finish to Finish<br>SF = Start to Finish<br>HS = Hammock to Start<br>HF = Hammock to Finish | * |
| CURLag | INT | 4 | Current Lag | * |
| BASRelType | VARCHAR | 2 | Baseline Relationship Type:<br>FS = Finish to Start<br>SS = Start to Start<br>FF = Finish to Finish<br>SF = Start to Finish<br>HS = Hammock to Start<br>HF = Hammock to Finish | * |
| BASLag | INT | 4 | Baseline Lag (Pos.)/Lead (Neg.) | * |

**Table 3.4.1**

| Field Name | Field Type | Length | Description | Reqd. |
|---|---|---|---|---|
| **Earned Value Variance WBS Table** **Variance Analysis Data by WBS** | | | | |
| 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 | |
| CEIAC1 | NUMERIC | 16 | Independent Estimate at Complete 1 | |
| IEACIMeth | VARCHAR | 50 | Method of Calculation for IEAC 1 | |
| CEIAC2 | 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 | |

**Table 3.4.2**

| Field Name | Field Type | Length | Description | Reqd. |
|---|---|---|---|---|
| **Earned Value Variance WBS Table** **Variance Analysis Data by OBS** | | | | |
| ProjectName | VARCHAR | 50 | Project Identification Code | * |
| StatusDate | DATETIME | | End Date of Current Reporting Period | * |

| Earned Value Variance WBS Table<br>Variance Analysis Data by OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| CEIAC1 | NUMERIC | 16 | Independent Estimate at Complete 1 | |
| IEACIMeth | VARCHAR | 50 | Method of Calculation for IEAC 1 | |
| CEIAC2 | 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 | |

**Table 3.5**

| Risk Log Table<br>Risk Log Data | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| RiskCode | VARCHAR | 50 | Identifier Code for Risk Item | * |
| RiskType | VARCHAR | 20 | Type of Risk | * |
| Title | VARCHAR | 255 | Title of Risk Item | * |

| Risk Log Table Risk Log Data | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| RiskDate | DATEIME | | The date the risk was identified in the risk management system | * |
| RemainAmt | VARCHAR | 3 | Will the remaining amount be adequate for project closeout? | |
| 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 | |
| Closed | BOOLEAN | 1 | Risk Item Open (No) or Closed (Yes) | * |
| Status | TEXT | | Risk Status | |
| Narrative | TEXT | | Text Description of Risk | |
| Document | OBJECT | | Document Attachment - Optional | |

**Table 3.6.1**

| Earned Value Contractor Performance Reporting Header Table Contract and Project CPR Header Information | | | | |
|---|---|---|---|---|
| **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 Types: CPAF – Cost Plus Award Fee CPFF – Cost Plus Fixed Fee CPIF – Cost Plus Incentive Fee CPP – Cost Plus Percentage CPE – Cost Plus Expenses FPE – Fixed Price Escalation FPI – Fixed Price Incentive FFP – Firm Fixed Price T&M – Time and Materials | |
| 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) | |

| Earned Value Contractor Performance Reporting Header Table Contract and Project CPR Header Information | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Req.** |
| 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 Un-priced 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 | |
| LstDelDate | DATETIME | | Last Item Delivery Date | |
| ConCmpDate | DATETIME | | Contract Completion Date | |
| MR | NUMERIC | 16 | Original Management Reserve | |
| MRLRE | NUMERIC | 16 | Current Management Reserve | |
| UB | NUMERIC | 16 | Original Undistributed Budget | |
| UBLRE | NUMERIC | 16 | Current Undistributed Budget | |

**Table 3.6.2**

| Earned Value Contractor Performance Reporting Format Table 1 Cumulative and Incremental Data By 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 | * |
| WBSDesc | VARCHAR | 255 | WBS Description | |
| WBSParent | VARCHAR | 35 | Parent WBS Element - Leave Blank for top level WBS (there should be only one top level | |

| Field Name | Field Type | Length | Description | Req. |
|---|---|---|---|---|
| **Earned Value Contractor Performance Reporting Format Table 1 Cumulative and Incremental Data By WBS** | | | | |
| | | | 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 | Quantity Incremental Planned Value/BCWS (current period) | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Earned Value/BCWP (current period) | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Actual Value/ACWP (current period) | |
| QCUMBCWS | NUMERIC | 16 | Quantity Cumulative Planned Value/BCWS (to date) | |
| QCUMBCWP | NUMERIC | 16 | Quantity Cumulative Earned Value/BCWP (to date) | |
| QCUMACWP | NUMERIC | 16 | Quantity Cumulative Actual Value/ACWP (to date) | |
| QBAC | NUMERIC | 16 | Quantity Budget At Complete | |
| QEAC | NUMERIC | 16 | Quantity Estimate At Complete | |
| QETC | NUMERIC | 16 | Quantity Estimate To Complete | |
| QRPGVAR | NUMERIC | 16 | Quantity Reprogramming Adjustment To Variance | |
| QRPGBCWS | NUMERIC | 16 | Quantity Reprogramming Adjustment To Budget | |

**Table 3.6.3**

| Earned Value Contractor Performance Reporting Format Table 2 Cumulative and Incremental Data By 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 | * |
| OBSDesc | VARCHAR | 255 | OBS Description | |
| OBSParent | VARCHAR | 50 | Parent OBS Element - Leave Blank for top level OBS (there should be only one top level OBS) | |
| 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 | * |
| CRPGVAR | NUMERIC | 16 | Cost Reprogramming Adjustment To Variance | |
| CRPGBCWS | NUMERIC | 16 | Cost Reprogramming Adjustment To Budget | |
| QINCBCWS | NUMERIC | 16 | Quantity Incremental Planned Value/BCWS (current period) | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Earned Value/BCWP (current period) | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Actual Value/ACWP (current period) | |
| QCUMBCWS | NUMERIC | 16 | Quantity Cumulative Planned Value/BCWS (to date) | |
| QCUMBCWP | NUMERIC | 16 | Quantity Cumulative Earned Value/BCWP (to date) | |
| QCUMACWP | NUMERIC | 16 | Quantity Cumulative Actual Value/ACWP (to date) | |
| QBAC | NUMERIC | 16 | Quantity Budget At Complete | |
| QEAC | NUMERIC | 16 | Quantity Estimate At Complete | |
| QETC | NUMERIC | 16 | Quantity Estimate To Complete | |

| Earned Value Contractor Performance Reporting Format Table 2 Cumulative and Incremental Data By OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Req.** |
| QRPGVAR | NUMERIC | 16 | Quantity Reprogramming Adjustment To Variance | |
| QRPGBCWS | NUMERIC | 16 | Quantity Reprogramming Adjustment To Budget | |

## H.49   PROJECT MANAGEMENT CONTROLS

(a)   Project Control System

    (1)   Definition

        The contractor shall support the establishment and maintenance of the Department of Energy Environmental Management Project Management Information System (EM PMIS) from which comprehensive, project-wide performance reports are generated.  In addition, the contractor shall provide all necessary technical information and support to enable DOE to proceed with the Critical Decision process and enable DOE to meet the data requirements of the Integrated Planning, Accountability and Budgeting System.

    (2)   Acronyms

        The following is a listing of acronyms and their meaning as used in this clause:

| | |
|---|---|
| ACWP | Actual Cost of Work Performed |
| ANSI | American National Standards Institute |
| BCWS | Budgeted Cost of Work Scheduled |
| BCWP | Budgeted Cost of Work Performed |
| CPR | Contractor Performance Report |
| EDI | Electronic Data Interchange |
| EIA | Electronic Industry Association |
| EM | Environmental Management |
| ETC | Estimate to Complete |
| EV | Earned Value |
| IPABS | Integrated Planning, Accountability and Budgeting System |
| MR | Management Reserve |
| OBS | Organizational Breakdown Structure |
| PMIS | Project Management Information System |
| RDT&E | Research, Development, Testing and Evaluation |
| WBS | Work Breakdown Structure |

    (3)   Data Requirements

        In support of EM PMIS implementation and maintenance, the contractor shall provide the following data elements on a monthly basis:

- ANSI/EIA-748 Earned Value Metrics
- Earned Value Time-Phased Incremental Cost and Quantity Data
- Management Reserve Data
- Schedule Data
- Variance Analysis Data
- Risk Data

        The required data elements shall be reported as provided by and consistent with the terms of the contract.  In the absence of contractually specific reporting

requirements, the contractor shall report the required data by the 15th business day following the report month (i.e., June data shall be reported by the 15th business day of July). Specific reporting requirements and formats follow. The contractor shall submit information for all data elements, as listed in the tables below.

ANSI/EIA-748 Earned Value Metrics

The contractor shall report monthly cost and schedule metrics by Work Breakdown Structure (WBS) and Organizational Breakdown Structure (OBS) against the approved Project Management Baseline. The reporting data elements are:

- Monthly BCWS, BCWP, ACWP, Cost and Schedule Variance
- Cumulative-to-Date BCWS, BCWP, ACWP, Cost and Schedule Variance
- Cost Budget at Complete
- Cost Estimate to Complete
- Reprogramming Adjustment – Cost Variance
- Reprogramming Adjustment – Budget

The reporting format is noted in Tables 3.6.1, 3.6.2, and 3.6.3, below.

Earned Value Time-Phased Incremental Cost and Quantity Data

The contractor shall report incremental cost and schedule performance data on a monthly basis by the lowest level of the WBS and OBS. The reporting data elements are:

- BCWS for the project duration
- BCWP from the project start through the current month
- ACWP from the project start through the current month
- ETC from the current month through the end of the project

The reporting format is noted in Table 3.1, below.

Management Reserve Data

The contractor shall report Management Reserve by WBS and OBS using the data elements *Transaction Date*, *Credit*, *Debit* and *Account Balance*. The reporting format is noted in Table 3.2, below.

Schedule Data

The contractor shall report Schedule data by WBS and OBS; the following data elements shall be reported:

- Type of Activity
- Early/Late Start
- Early/Late Finish
- Start and Finish constraints

- Durations
- Critical Path
- Total and Fee Float
- % Complete
- 

The reporting format is noted in Tables 3.3.1 and 3.3.2, below.

Variance Analysis Data

The contractor shall report variances by WBS and OBS that exceed 10%. The following data elements shall be reported:

- Monthly Cost and Schedule Variances and Performance Indices
- Cumulative-to-Date Cost and Schedule Variances and Performance Indices
- Variance at Completion
- Estimate at Completion and the Method of Calculation
- Narrative

The reporting format is noted in Tables 3.4.1 and 3.4.2, below.

Risk Data

The contractor shall report risk information by WBS and OBS by a minimum set of data elements that include, but not limited to the following:

- Type of Risk
- Probability of Occurrence
- Quantification of Risk
- Mitigation
- Status

The reporting format and current list of reportable fields is noted in Table 3.5 below.


**EM PMIS REPORTING FORMAT TABLES**

**Table 3.1**

| **Earned Value Time Phased Table** | | | | |
|---|---|---|---|---|
| **Earned Value Time-phased Incremental Data for Each Period by WBS and OBS** | | | | |
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| ActNam | VARCHAR | 16 | Activity Name | |
| Resnam | VARCHAR | 20 | Resource Name | |

| Earned Value Time Phased Table | | | | |
|---|---|---|---|---|
| **Earned Value Time-phased Incremental Data for Each Period by WBS and OBS** | | | | |
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| Period | DATETIME | | End Date of Period where Each cost is Time Phased | * |
| WBSDesc | VARCHAR | 255 | WBS Description | |
| OBSDesc | VARCHAR | 255 | OBS Description | |
| CINCBCWS | NUMERIC | 16 | Cost Incremental Planned Value/BCWS | * |
| CINCBCWP | NUMERIC | 16 | Cost Incremental Planned Value/BCWP | * |
| CINCAWWP | NUMERIC | 16 | Cost Incremental Planned Value/ACWP | * |
| CINCETC | NUMERIC | 16 | Cost Incremental ETC-Future from Status Date | * |
| QINCBCWS | NUMERIC | 16 | Quantity Incremental Planned Value/BCWS | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Planned Value/BCWP | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Planned Value/ACWP | |
| QINCETC | NUMERIC | 16 | Quantity Incremental ETC-Future from Status Date | |

**Table 3.2**

| Earned Value Management Reserve Log Table | | | | |
|---|---|---|---|---|
| **Management Reserve Log** | | | | |
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| ProjectName | VARCHAR | 50 | Project Identification Code | * |
| StatusDate | DATETIME | | End Date of Current Reporting Period | * |
| LogDate | DATETIME | | Date of MR Change | * |
| WBSNUM | VARCHAR | 35 | WBS Element or ID | |
| OBSNUM | VARCHAR | 50 | OBS Element or ID | |
| ActNam | VARCHAR | 16 | Activity MR was applied to | |
| ResNam | VARCHAR | 20 | Resource MR was applied to | |
| CCREDIT | NUMERIC | 16 | Amount of Credit to MR | * |
| CBEBIT | 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 | |

**Table 3.3.1**

| Schedule Activity Table Activity Schedule Date | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | 35 | WBS Element | |
| OBSNUM | VARCHAR | 50 | OBS Element | |
| ActType | VARCHAR | 1 | Activity Type (A=Activity, S=Summary, M=Milestone, H=Hammock) | * |
| CURStrCon | VARCHAR | 3 | Current Start Constraint | |
| CURStrConDate | DATETIME | | Current Start Constraint Date | |
| CURFinCon | VARCHAR | 3 | Current Finish Constraint | |
| CURFinConDate | DATETIME | | Current Finish Constraint Date | |
| CURESDate | DATETIME | | Current Early Start Date | |
| CUREFDate | DATETIME | | Current Early Finish Date | |
| CURLSDate | DATETIME | | Current Late Start Date | |
| CURLFDate | DATETIME | | Current Late Finish Date | |
| CUR FreeFit | INT | 4 | Current Free Float (Days) | |
| CURTtlFit | INT | 4 | Current Total Float (Days) | |
| CURCrit | BOOLEAN | 1 | Current Critical Path | |
| CUROrgDur | INT | 4 | Current Original Duration (Days) | |
| CURRemDur | INT | 4 | Current Remaining Duration (Days) | |
| CURPctCmp | NUMERIC | 16 | Current Percent Complet | |
| BASStrCon | VARCHAR | 3 | Baseline Start Constraint | |
| BASStrConDate | DATETIME | | Baseline Start Constraint Date | |
| BASFinCon | VARCHAR | 3 | Baseline Finish Constraint | |
| BASFinConDate | DATETIME | | Baseline Finish Constraint Date | |
| BASESDate | DATETIME | | Baseline Early Start Date | |
| BASEFDate | DATETIME | | Baseline Early Finish Date | |
| BASLSDate | DATETIME | | Baseline Late Start Date | |
| BASLFDate | DATETIME | | Baseline Late Finish Date | |
| BASFreeFlt | INT | 4 | Baseline Free Float (Days) | |
| BASTtlFit | INT | 4 | Baseline Total Float (Days) | |
| BASCrit | BOOLEAN | 1 | Baseline Critical Path | |
| BASOrgDur | INT | 4 | Baseline Original Duration (Days) | |
| BASRemDur | INT | 4 | Baseline Remaining Duration (Days) | |
| BASPctCmp | NUMERIC | 16 | Baseline Percent | |

**Table 3.3.2**

| Schedule Relationship Table<br>Activity Relationship Data | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | * |
| CURRelType | VARCHAR | 2 | Current Relationship Type:<br>FS = Finish to Start<br>SS = Start to Start<br>FF = Finish to Finish<br>SF = Start to Finish<br>HS = Hammock to Start<br>HF = Hammock to Finish | * |
| CURLag | INT | 4 | Current Lag | * |
| BASRelType | VARCHAR | 2 | Baseline Relationship Type:<br>FS = Finish to Start<br>SS = Start to Start<br>FF = Finish to Finish<br>SF = Start to Finish<br>HS = Hammock to Start<br>HF = Hammock to Finish | * |
| BASLag | INT | 4 | Baseline Lag (Pos.)/Lead (Neg.) | * |

**Table 3.4.1**

| Earned Value Variance WBS Table<br>Variance Analysis Data by WBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |

| Earned Value Variance WBS Table Variance Analysis Data by WBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| CVAC | NUMERIC | 16 | Variance at Complete | |
| CEIAC1 | NUMERIC | 16 | Independent Estimate at Complete 1 | |
| IEACIMeth | VARCHAR | 50 | Method of Calculation for IEAC 1 | |
| CEIAC2 | 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 | |

**Table 3.4.2**

| Earned Value Variance WBS Table Variance Analysis Data by OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| CEIAC1 | NUMERIC | 16 | Independent Estimate at Complete 1 | |
| IEACIMeth | VARCHAR | 50 | Method of Calculation for IEAC 1 | |
| CEIAC2 | NUMERIC | 16 | Independent Estimate at | |

| Earned Value Variance WBS Table Variance Analysis Data by OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| | | | 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 | |

**Table 3.5**

| Risk Log Table Risk Log Data | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Reqd.** |
| 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 | |
| RiskCode | VARCHAR | 50 | Identifier Code for Risk Item | * |
| RiskType | VARCHAR | 20 | Type of Risk | * |
| Title | VARCHAR | 255 | Title of Risk Item | * |
| RiskDate | DATEIME | | The date the risk was identified in the risk management system | * |
| RemainAmt | VARCHAR | 3 | Will the remaining amount be adequate for project closeout? | |
| 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 | |
| Closed | BOOLEAN | 1 | Risk Item Open (No) or Closed (Yes) | * |
| Status | TEXT | | Risk Status | |
| Narrative | TEXT | | Text Description of Risk | |
| Document | OBJECT | | Document Attachment - Optional | |

**Table 3.6.1**

| Earned Value Contractor Performance Reporting Header Table Contract and Project CPR Header Information | | | | |
|---|---|---|---|---|
| **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 Types: CPAF – Cost Plus Award Fee CPFF – Cost Plus Fixed Fee CPIF – Cost Plus Incentive Fee CPP – Cost Plus Percentage CPE – Cost Plus Expenses FPE – Fixed Price Escalation FPI – Fixed Price Incentive FFP – Firm Fixed Price T&M – Time and Materials | |
| 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 Un-priced 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 | |

| Earned Value Contractor Performance Reporting Header Table | | | | |
|---|---|---|---|---|
| **Contract and Project CPR Header Information** | | | | |
| **Field Name** | **Field Type** | **Length** | **Description** | **Req.** |
| CESTEACW RST | NUMERIC | 16 | EAC Worst Case Estimate | |
| CESTEACLIK E | NUMERIC | 16 | EAC Most Likely Estimate | |
| ConStrDate | DATETIME | | Contract Start Date | |
| EstCmpDate | DATETIME | | Estimated Completion Date | |
| ConDefDate | DATETIME | | Contract Definitization Date | |
| LstDelDate | DATETIME | | Last Item Delivery Date | |
| ConCmpDate | DATETIME | | Contract Completion Date | |
| MR | NUMERIC | 16 | Original Management Reserve | |
| MRLRE | NUMERIC | 16 | Current Management Reserve | |
| UB | NUMERIC | 16 | Original Undistributed Budget | |
| UBLRE | NUMERIC | 16 | Current Undistributed Budget | |

**Table 3.6.2**

| Earned Value Contractor Performance Reporting Format Table 1 | | | | |
|---|---|---|---|---|
| **Cumulative and Incremental Data By 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 | * |
| 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 | |

| Earned Value Contractor Performance Reporting Format Table 1 Cumulative and Incremental Data By WBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Req.** |
| | | | Adjustment To Variance | |
| CRPGBCWS | NUMERIC | 16 | Cost Reprogramming Adjustment To Budget | |
| QINCBCWS | NUMERIC | 16 | Quantity Incremental Planned Value/BCWS (current period) | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Earned Value/BCWP (current period) | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Actual Value/ACWP (current period) | |
| QCUMBCWS | NUMERIC | 16 | Quantity Cumulative Planned Value/BCWS (to date) | |
| QCUMBCWP | NUMERIC | 16 | Quantity Cumulative Earned Value/BCWP (to date) | |
| QCUMACWP | NUMERIC | 16 | Quantity Cumulative Actual Value/ACWP (to date) | |
| QBAC | NUMERIC | 16 | Quantity Budget At Complete | |
| QEAC | NUMERIC | 16 | Quantity Estimate At Complete | |
| QETC | NUMERIC | 16 | Quantity Estimate To Complete | |
| QRPGVAR | NUMERIC | 16 | Quantity Reprogramming Adjustment To Variance | |
| QRPGBCWS | NUMERIC | 16 | Quantity Reprogramming Adjustment To Budget | |

**Table 3.6.3**

| Earned Value Contractor Performance Reporting Format Table 2 Cumulative and Incremental Data By 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 | * |
| OBSDesc | VARCHAR | 255 | OBS Description | |
| OBSParent | VARCHAR | 50 | Parent OBS Element - Leave Blank for top level OBS (there should be only one top level OBS) | |
| 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 | * |

| Earned Value Contractor Performance Reporting Format Table 2 Cumulative and Incremental Data By OBS | | | | |
|---|---|---|---|---|
| **Field Name** | **Field Type** | **Length** | **Description** | **Req.** |
| | | | 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 | Quantity Incremental Planned Value/BCWS (current period) | |
| QINCBCWP | NUMERIC | 16 | Quantity Incremental Earned Value/BCWP (current period) | |
| QINCACWP | NUMERIC | 16 | Quantity Incremental Actual Value/ACWP (current period) | |
| QCUMBCWS | NUMERIC | 16 | Quantity Cumulative Planned Value/BCWS (to date) | |
| QCUMBCWP | NUMERIC | 16 | Quantity Cumulative Earned Value/BCWP (to date) | |
| QCUMACWP | NUMERIC | 16 | Quantity Cumulative Actual Value/ACWP (to date) | |
| QBAC | NUMERIC | 16 | Quantity Budget At Complete | |
| QEAC | NUMERIC | 16 | Quantity Estimate At Complete | |
| QETC | NUMERIC | 16 | Quantity Estimate To Complete | |
| QRPGVAR | NUMERIC | 16 | Quantity Reprogramming Adjustment To Variance | |
| QRPGBCWS | NUMERIC | 16 | Quantity Reprogramming Adjustment To Budget | |