

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			1 1
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
114	See Block 16C	10EM000277	
6. ISSUED BY	7. ADMINISTERED BY (If other than Item 6)	CODE	00701
Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue Idaho Falls ID 83415	Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue MS 1221 Idaho Falls ID 83415		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CH2M WG IDAHO LLC Attn: Ronald J. Slottke 151 NORTH RIDGE AVENUE SUITE 150 IDAHO FALLS ID 834024039		9B. DATED (SEE ITEM 11)	
CODE 166527569 FACILITY CODE		X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC07-05ID14516	
		10B. DATED (SEE ITEM 11)	03/23/2005

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	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.
X	I. 81 52.243-2 Changes-Cost Reimbursement (8/87) & Alt I (4/84)
	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 1 copies to the issuing office.

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

Tax ID Number: 05-0607601
 DUNS Number: 166527569
 Incorporate the Department of Energy Environmental Management (EM) Project Management Information System (PMIS) provision at Section C.13 for construction projects under this Idaho Cleanup Project contract, specifically the Integrated Waste Treatment Unit (IWTU).
 Subj to Retent: NO
 Period of Performance: 03/23/2005 to 09/30/2012

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)	
Ronald J. Slottke, Vice President Admin Services		Maria M. Mitchell	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>[Signature]</i>	11/10/09	<i>[Signature]</i>	11/12/09
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

NSN 7540-01-152-8070
 Previous edition unusable

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

This modification incorporates the following provision at Section C.13 for construction projects:

C.13 Management Project Controls

Project Control System

1. Definition

The contractor shall support the establishment and maintenance of the Department of Energy Environmental Management (EM) Project Management Information System (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 work statement:

ACWP	Actual Cost of Work Planned
ANSI	American National Standards Institute
BCWS	Budgeted Cost of Work Scheduled
BCWP	Budgeted Cost of Work Planned
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 no later than the 5th work day of the current month for the previous month of reference (i.e., September data shall be reported no later than the 5th work day of October). Specific reporting requirements and formats follow. The contractor, at a minimum, shall submit information for all data elements, as listed in the attached tables.

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, attached.

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, attached.

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, attached.

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 Free Float
- % Complete

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

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, attached.

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, attached.

Attachment

EM PMIS REPORTING FORMAT TABLES

Table 3.1

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	
CINBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS	*
CINBCWP	NUMERIC	16	Cost Incremental Planned Value/BCWP	*
CINCAWVP	NUMERIC	16	Cost Incremental Planned Value/ACWP	*
CINCETC	NUMERIC	16	Cost Incremental ETC-Future from Status Date	*
QINBCWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS	
QINBCWP	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

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

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 Complete	
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

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: FS = Finish to Start SS = Start to Start FF = Finish to Finish SF = Start to Finish HS = Hammock to Start HF = Hammock to Finish	*
CURLag	INT	4	Current Lag	*
BASRelType	VARCHAR	2	Baseline Relationship Type: FS = Finish to Start SS = Start to Start FF = Finish to Finish SF = Start to Finish HS = Hammock to Start HF = Hammock to Finish	*
BASLag	INT	4	Baseline Lag (Pos.)/Lead (Neg.)	*

Table 3.4.1

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	
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.
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 Complete 2	
IEAC2Meth	VARCHAR	50	Method of Calculation for IEAC 2	
CEIAC3	NUMERIC	16	Independent Estimate at Complete 3	
IEAC3Meth	VARCHAR	50	Method of Calculation for IEAC 3	
CEIAC4	NUMERIC	16	Independent Estimate at Complete 4	
IEAC4Meth	VARCHAR	50	Method of Calculation for IEAC 4	
CEIAC5	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

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

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	
CESTEACWRST	NUMERIC	16	EAC Worst Case Estimate	
CESTEACLIKE	NUMERIC	16	EAC Most Likely Estimate	

Field Name	Field Type	Length	Description	Req.
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

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	*
CINBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
CINBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	*
CINACWP	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	
QINBCWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS (current period)	
QINBCWP	NUMERIC	16	Quantity Incremental Earned Value/BCWP (current period)	
QINACWP	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	
QRPVAR	NUMERIC	16	Quantity Reprogramming Adjustment To Variance	
QRPBCWS	NUMERIC	16	Quantity Reprogramming Adjustment To Budget	

Table 3.6.3

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	*
CINBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
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- Estimate at Completion and the Method of Calculation
- Narrative

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

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, attached.

Attachment

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	
Period	DATETIME		End Date of Period where Each cost is Time Phased	*
WBSDesc	VARCHAR	255	WBS Description	
OBSDesc	VARCHAR	255	OBS Description	
CINBCWWS	NUMERIC	16	Cost Incremental Planned Value/BCWS	*
CINBCWCP	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	*
QINBCWWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS	
QINBCWCP	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 Complete	
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	
BASLFFDate	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: FS = Finish to Start SS = Start to Start FF = Finish to Finish SF = Start to Finish HS = Hammock to Start HF = Hammock to Finish	*
CURLag	INT	4	Current Lag	*
BASRelType	VARCHAR	2	Baseline Relationship Type: FS = Finish to Start SS = Start to Start FF = Finish to Finish SF = Start to Finish HS = Hammock to Start HF = Hammock to Finish	*
BASLag	INT	4	Baseline Lag (Pos.)/Lead (Neg.)	*

Table 3.4.1

Earned Value Variance WBS Table				
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	
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 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	
TrgtPet	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	

Earned Value Contractor Performance Reporting Header Table Contract and Project CPR Header Information				
Field Name	Field Type	Length	Description	Req.
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	*
CINBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
CINBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	*
CINACWP	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	
QINBCWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS (current period)	
QINBCWP	NUMERIC	16	Quantity Incremental Earned Value/BCWP (current period)	
QINACWP	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	*
CINBCWS	NUMERIC	16	Cost Incremental Planned Value/BCWS (current period)	*
CINBCWP	NUMERIC	16	Cost Incremental Earned Value/BCWP (current period)	*
CINACWP	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	
QINBCWS	NUMERIC	16	Quantity Incremental Planned Value/BCWS (current period)	
QINBCWP	NUMERIC	16	Quantity Incremental Earned Value/BCWP (current period)	
QINACWP	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	