DOE CPP Upload Requirements including DID

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS00 header			
description		This JSON data submission should be populated with the project (not contract) data. A valid JSON submission contains the header data documented on this page, and one or more data sets specified in the following pages.	
		A complete monthly PARS submission may consist of several JSON files, and include DS00 to DS21.	
		Summary of the 2022-09-22 memo "CPP data uploads to PARS" and meetings. • CSV CPP format will be discontinued by 2023-03/04 and replaced by JSON format. • MDB CPP format will be discontinued by 2022-12 and replaced by JSON format. • Projects not scheduled to obtain CD-4 by 2023-01 should work to move to JSON format by 2023-03/04. • To support this effort, some schedule and cost tool vendors are working to provide some key data sets in JSON format.	
		Technical documentation of the PARS JSON Schema format can be found here. Valid data sets documented in this DID include: • DS00 header • DS01 WBS • DS02 OBS • DS03 cost • DS04 schedule • DS05 schedule_logic • DS06 schedule_resources • DS07 IPMR_header • DS08 WAD • DS09 CC_log • DS10 CC_log_detail • DS11 variance • DS12 variance_CAL • DS13 subK • DS14 HDV_CI • DS15 risk_register • DS16 risk_register_tasks • DS17 WBS_EU • DS18 schedule_EU • DS19 schedule_calendar_std • DS20 schedule_calendar_exception • DS21 rates	
PARS_ID	X	PARS identifier for the project for which data is submitted.	string, maxLength: 4, numerical
		PARS_ID	3021
CPP_status_date	X	Contractor data-as-of-date.	string, must be date as YYYY-MM-DD
		CPP_status_date	2022-08-21
		CPP-1.CPP_status_date = prior CPP_status_date CPP-2.CPP_status_date = prior 2nd CPP_status_date CPP-5.CPP_status_date = prior 5th CPP_status_date CPP+1.CPP_status_date = next CPP_status_date CPP-12.CPP_status_date = prior 12th CPP_status_date	
$schema	X	Specify the version of the JSON schema against which this data submission was prepared.	string, URL of PARS JSON Schema Version
		$schema	https://schema.pars.doe.gov/pars-cpp-json-schema-v4-0-0.json
revision		v02.00, 2022-08-19, PM-30, Melvin Frank, Updated for 1st release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

DOE CPP Upload Requirements including DID

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS01 WBS			
description		This data set should be populated with the project's contractor WBS identifiers for the entire span of the project (not the contract). Provide the contractor WBS identifiers in a hierarchical structure from the project (not the contract) level to the CA WBS level and to the WP and PP WBS levels. The data set should include all WBS identifiers in all other DSs in the same format.	
WBS_ID	X	Unique contractor WBS identifier.	string, maxLength: 50
		DS01.WBS_ID	W001.42.27.02
title	X	Unique WBS identifier title.	string, maxLength: 255
		DS01.title	Testing/Surveillance Improvements
level	X	WBS identifier hierarchical level relative to the project. The data is > 0, starting with 1 and increments by 1. The dataset should have only one level 1 WBS identifier that represents the entire project.	integer, min. value: 1, max. value: 20
		DS01.level	
parent_WBS_ID		WBS identifier of the immediate hierarchical parent. Required unless level = 1.	string, maxLength: 150
		DS01.parent_WBS_ID	1.42.27
type	X	WBS type selection: • WBS = summary level • SLPP = summary level planning package (assigned to project manager not to a CAM; thus, is not a CA and does not have any WP, PP, or lower DS01.WBS_level • CA = control account • PP = planning package • WP = work package MR, UB, contingency, and SM tasks should be associated with DS01.type = WBS. Should be set to PP or SLPP if DS03.EVT = K. BCWS, BCWP, ACWP, and ETC are roll-ups where DS01.type = CA or WBS. BCWS, BCWP, ACWP, and ETC are accounted for where DS01.type = WP or PP. While not preferred, ACWP may be collected at the CA level, i.e. where DS01.type = CA. However, the level ACWP is collected must be uniform across the dataset, i.e., all at CA or all at WP.	string, select from: WBS, SLPP, CA, PP, WP
		DS01.type	
OBS_ID		Unique contractor OBS identifier that should be aligned with the associated CA and DS02.OBS. If DS01.type is above the CA, the associated or higher level OBS identifier.	string, maxLength: 50
		DS01.OBS_ID	SC.CMCS.1.4.1
CAM		CAM selection: • CAM name for DS01.type = CA, WP, PP. • Project manager name for DS01.type = SLPP. • Project or appropriate manager name for DS01.type = WBS. Format: [last name] space [first name] space [middle initial, optional].	string, maxLength: 100
		DS01.CAM	Whitney Zachary B
WPM		WP manager. Required if and only if DS01.type is WP or PP. Format: [last name] space [first name] space [middle initial, optional].	string, maxLength: 100
		DS01.WPM	Guitierez Jose
subproject_ID		Unique subproject identifier aligned with DS04.subproject_ID. Required if DS01.WBS_external = Y.	string, maxLength: 50
		DS01.subproject_ID	
IMP_ID		Unique IMP identifier.	string, maxLength: 50
		DS01.IMP_ID	
external	X	WBS is external to the project (Y or N).	string, select from: Y, N
		DS01.external	
exit_criteria		Criteria to determine completion of the WBS scope.	string, maxLength: 3000
		DS01.exit_criteria	
narrative	X	WBS identifier description from the EVMS cost tool; the scope statement or a short paragraph based on the WBS dictionary and aligned with DS08.narrative. Align with DS08.narrative.	string, maxLength: 3000
		DS01.narrative	Testing/Surveillance Improvements
K_ref		Contractual basis: contract number, section(s), and paragraph(s).	string, maxLength: 3000
		DS01.K_ref	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

BWC_ID		Unique base work construct identifier.
		Level 3 BWC where DS01.type = SLPP, WP, or PP.
		Level 2 and 3 BWC:
		• W.01 support
		  • W.01.01 project
		  • W.01.02 closeout
		  • W.01.03 operations
		• W.02 engineering
		  • W.02.01 R&D
		  • W.02.02 conceptual
		  • W.02.03 preliminary
		  • W.02.04 final
		  • W.02.05 general
		• W.03 procurement
		  • W.03.01 general
		• W.04 construction
		  • W.04.01 engineering support
		  • W.04.02 demolition
		  • W.04.03 site preparation
		  • W.04.04 construction
		• W.05 SU-Cx
		  • W.05.01 SU
		  • W.05.02 cold cx
		  • W.05.03 hot cx
		
		DS01.BWC_ID
			string, select from: W.01.01 project, W.01.02 closeout, W.01.03 operations, W.02.01 R&D, W.02.02 conceptual, W.02.03 preliminary, W.02.04 final, W.02.05 general, W.03.01 general, W.04.01 engineering support, W.04.02 demolition, W.04.03 site preparation, W.04.04 construction, W.05.01 SU, W.05.02 cold cx, W.05.03 hot cx

revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS02 OBS			
description		This data set should be populated with the project's contractor functionally-based OBS identifiers for the entire span of the project (not the contract). Provide the contractor OBS identifiers in a hierarchical structure from the project level to the CA WBS level. The data should include all OBS identifiers in all other DSs in the same format. The data should align with dollarized RAM identifying intersections of CA WBS and OBS types.	
OBS_ID	X	Unique contractor OBS identifier.	string, maxLength: 50
		DS02.OBS_ID	MB.FC.4.2.82
title	X	Unique OBS identifier title.	string, maxLength: 255
		DS02.title	Payroll & Benefits Accounting, Workforce Planning
level	X	OBS identifier hierarchical level relative to the project. The data is > 0, starting with 1 and increments of 1. The data should have only one level 1 OBS identifier, the OBS identifier representing the head of the contractor.	integer, min. value: 1, max. value: 20
		DS02.level	
parent_OBS_ID		OBS identifier of the immediate hierarchical parent. Required unless DS02.level = 1.	string, maxLength: 50
		DS02.parent_OBS_ID	MB.FC.4.2.82
external	X	OBS is external to the project (Y or N).	string, select from: Y, N
		DS02.external	
narrative		OBS identifier description from the EVMS cost tool. A short paragraph based on the functional OBS. Align with DS08.narrative.	string, maxLength: 3000
		DS02.narrative	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS03 cost			
description		This data set should be populated with the project's contractor EVMS cost tool time-phased data for the entire span of the project (not the contract). Provide the contractor EVMS cost tool time-phased data at the WP and PP WBS level by EOC. The data should be provided at the WP, PP, and SLPP WBS levels only with one period_date/WBS/EOC record; however, provide at CA WBS level for only those CAs where ACWP (DS03.ACWPi_dollars and DS03.ACWPi_units) is reported for entire project.	
period_date	X	Time-phased period end dates. The data should align with the the CPP_status_dates, and not change during the span of the project.	string, must be date as YYYY-MM-DD
			2020-01-01
		DS03.period_date	
WBS_ID_WP		WP or PP WBS identifier if DS01.type = WP or PP.	string, maxLength: 150
		DS03.WBS_ID_WP	1.42.27.2
		CPP-1.DS03.WBS_ID_WP = prior CPP_status_date	
WBS_ID_CA	X	Unique contractor WBS identifier for following: • DS01.type = CA and ACWP is collected at CA level. DS01.WBS_ID_WP is omitted. • DS01.type = SLPP. DS01.WBS_ID_WP is omitted. • DS01.type = CA and associated with DS01.WBS_ID_WP.	string, maxLength: 150
			1.42.27.2
		DS03.WBS_ID_CA	
		CPP-1.DS03.WBS_ID_CA = prior CPP_status_date	
EOC	X	EOC selection: • labor • material • subcontract • ODC • overhead (if overhead is utilized, other EOCs for the project should not include overhead)	string, select from: labor, material, subcontract, ODC, overhead
		DS03.EOC	
EVT		EVT selection that should be aligned with DS04.EVT (explanations should go in DS03.justification_EVT): • A = LOE • B = weighted milestones (explain if utilized) • C = percent complete • D = units complete or for use in DS03 only, discrete (combination of discrete DS03.EVT excluding A, J, K, M, or NA) • E = 50-50 • F = 0-100 • G = 100-0 (explain if utilized) • H = variation of 50-50 (explain if utilized) • J = apportioned (explain if utilized) • K = planning package (overrides where DS01.type = PP or SLPP) • L = assignment percent complete (explain if utilized) • M = calculated apportionment (explain if utilized) • N = steps (explain if utilized) • O = earned as spent (explain if utilized) • P = percent manual entry (explain if utilized) • NA = only for DS01.type = CA where ACWP is reported for the entire project. Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P.	string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, NA
		DS03.EVT	
justification_EVT		Justification narrative where DS03.EVT = B, G, H, J, L, M, N, O, or P.	string
		DS03.justification_EVT	
EVT_J_to_WBS_ID		WBS_ID apportioned to, if DS03.EVT = J or M.	string
		DS03.EVT_J_to_WBS_ID	
EVT_J_pct		Percent apportioned, if apportioned from another DS03.WBS_ID.	number, max. of 2 decimal places
		DS03.EVT_J_pct	
BCWSi_dollars	X	BCWS incremental (dollars).	number, max. of 2 decimal places
		DS03.BCWSi_dollars	11234.09, 355651.29
		DS03.BCWSc = cumulative DS03.DB = totalRP + 1 CPP-1,DS03.BCWSi_dollars = prior CPP_status_date, next period_date CPP-1,2.DS03.BCWSc,DB,BCWSi_dollars = prior 1st,2nd CPP_status_date	
BCWPi_dollars	X	BCWP incremental (dollars).	number, max. of 2 decimal places
		DS03.BCWPi_dollars	11234.09, 355651.29
		DS03.BCWPc = cumulative CPP-1,2_DS03.BCWPc,BCWPi_dollars = prior 1st,2nd CPP_status_date	

field name	req'd	description unique field identifier (primary & calculated)	JSON data type example
ACWPi_dollars	X	ACWP incremental (dollars). DS03.ACWPi_dollars DS03.ACWPc = cumulative CPP-1,2_DS03.ACWPc,ACWPi_dollars = prior 1st,2nd CPP_status_date	number, max. of 2 decimal places 11234.09, 355651.29
ETCi_dollars	X	ETC incremental (dollars). DS03.ETCi_dollars DS03.ETCc = cumulative	number, max. of 2 decimal places 11234.09, 355651.29
BCWSi_hours	X	BCWS incremental (hours) where DS03.EOC = labor only. DS03.BCWSi_hours DS03.DB = total	number, max. of 2 decimal places 128.6, 45.3, 80.75
BCWPi_hours	X	BCWP incremental (hours) where DS03.EOC = labor only. DS03.BCWPi_hours DS03.BCWPc = cumulative	number, max. of 2 decimal places 128.6, 45.3, 80.75
ACWPi_hours	X	ACWP incremental (hours) where DS03.EOC = labor only. DS03.ACWPi_hours	number, max. of 2 decimal places 128.6, 45.3, 80.75
ETCi_hours	X	ETC incremental (hours) where DS03.EOC = labor only. DS03.ETCi_hours	number, max. of 2 decimal places 128.6, 45.3, 80.75
BCWSi_FTEs	X	BCWS incremental (FTE) where DS03.EOC = labor only. DS03.BCWSi_FTEs	number, max. of 2 decimal places
BCWPi_FTEs	X	BCWP incremental (FTE) where DS03.EOC = labor only. DS03.BCWPi_FTEs	number, max. of 2 decimal places
ACWPi_FTEs	X	ACWP incremental (FTE) where DS03.EOC = labor only. DS03.ACWPi_FTEs	number, max. of 2 decimal places
ETCi_FTEs	X	ETC incremental (FTE) where DS03.EOC = labor only. DS03.ETCi_FTEs	number, max. of 2 decimal places
CV_rpg	X	Reprogramming CV. Reprogramming adjustment, cost variance. DS03.CV_rpg	number, max. of 2 decimal places
SV_rpg	X	Reprogramming SV. Reprogramming adjustment, schedule variance. DS03.SV_rpg	number, max. of 2 decimal places
BAC_rpg	X	Reprogramming BAC. Reprogramming adjustment, DB variance. DS03.BAC_rpg	number, max. of 2 decimal places
CC_ID		Charge code identifier. DS03.CC_ID	string, maxLength: 50 MB.FC.4.2.82, MB.WC.1.4.1, MB.WC.1.8.1, SC.CMCS.1.4.1
CC_description		Charge code description. DS03.CC_description	string, maxLength: 3000 Payroll & Benefits Accounting, Workforce Planning
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS04 schedule

field name	req'd	description	JSON data type
description		This data set should be populated with the project's contractor BL and FC IMS tool data for the entire span of the project (not the contract). Provide the contractor BL and FC IMS tool data by task. There should be alignment between the BL and FC IMSs.	
schedule_type	X	Schedule type selection: • BL = baseline • FC = forecast The data should be scheduled by the schedule tool. DS04.schedule_type CPP-1.schedule_type = prior CPP_status_date	string, select from: BL, FC
task_ID	X	Task identifier. DS04.task_ID CPP-1.DS04.task_ID = prior CPP_status_date	string, maxLength: 50 AHBL1190, TASK-1, TASK-2, TASK-3
type	X	Task type selection: • TD = task dependent. Task is scheduled using its task calendar. • RD = resource dependent. Task is scheduled using its resource calendar(s). • LOE = level of effort. Task duration by its dependent taks. Used for administration type tasks. Use should be limited. Likely DS04.EVT = A (level of effort) but could be different. • SM = start milestone. Tasks with 0 duration and no resources. • FM = finish milestone. Task with 0 duration and no resources. • WS = WBS summary. Task of aggregated tasks with common DS04.WBS_ID. Use should be limited. DS04.type CPP-1.DS04.type = prior CPP_status_date	string, select from: TD, RD, LOE, SM, FM, WS
description	X	Unique task description. Should be descriptive with a verb. DS04.description	string, maxLength: 255
subtype		Task subtype selection: • SVT = A non-PMB task for visibility/functionality to charactarize potential impacts to the logic-driven network. Generally based on another project as a predecessor with a finish-to-start relationship. Generally constrained based on programmatic schedule with DS04.constraint_type = CS.MSOA or DS04.constraint_type = CS.MEOA but may be a hard constraint; DS04.constraint_type = M; not resource loaded. • ZBA = zero budget activity. For subK payment tasks. Used on a limited basis; not resource loaded. Align with DS04.milestone_level = 8xx. DS04.subtype	string, select from: SVT, ZBA

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

milestone_level		Milestone level selection for tasks that identify key milestones, deliverables, and control point dates (DS04.type = SM or FM).
		Milestone level should align with DS04.constraint_type as appropriate.
		• 1xx = DOE O 413.3B milestones. All 1xx are considered DS04.task_subtype = SVT, unless otherwise noted.
		   • 100 = approve start project
		   • 110 = approve CD-0
		   • 111 = approve CD-0R-01
		   • 112 = approve CD-0R-02
		   • 120 = approve CD-1
		   • 121 = approve CD-1R-01
		   • 122 = approve CD-1R-02
		   • 130 = approve CD-2
		   • 131 = approve BCP-01
		   • 132 = approve BCP-02
		   • 133 = approve BCP-03
		   • 134 = approve BCP-04
		   • 135 = approve BCP-05
		   • 138 = approve reprogramming (not SVT) (Specify if OTB and/or OTS in DS04.milestone_level_description)
		   • 139 = approve replan (not SVT)
		   • 140 = approve CD-3A
		   • 141 = approve CD-3B
		   • 142 = approve CD-3C
		   • 143 = approve CD-3D
		   • 144 = approve CD-3E
		   • 145 = approve CD-3F
		   • 150 = approve CD-3
		   • 160 = approve CD-4A
		   • 161 = approve CD-4B
		   • 162 = approve CD-4C
		   • 163 = approve CD-4D
		   • 164 = approve CD-4E
		   • 165 = approve CD-4F
		   • 170 = planned/estimated completion without UB
		   • 175 = End of PMB. Planned/estimated completion with UB (calculated schedule reserve should align with duration from DS04.milestone_level = 175 to DS04.milestone_level = 180; should be aligned with DS03 last BCWS for BL or last ETC for FC to achieve CD-4; this is the end of the PARS ID; not SVT)
		   • 180 = contract completion (calculated schedule contingency should align with duration from DS04.milestone_level = 180 to DS04.milestone_level = 190) (Should be aligned with CBB date for BL or est CBB date for FC) (not SVT)
		   • 190 = approve CD-4
		   • 195 = approve closeout
		   • 199 = approve finish project
		• 2xx = contract driven milestones & periods of performance
		• 3xx = customer driven milestones. All 3xx are considered DS04.task_subtype = SVT.
		• 4xx = programmatic driven milestones
		• 5xx = major internal driven milestones
		• 6xx = minor internal driven milestones
		• 7xx = external driven milestones, e.g., regulatory, consent decree. All 7xx are considered DS04.task_subtype = SVT.
		• 8xx = subK alignment milestones; align with DS13.task.
		
		DS04.milestone_level
			integer, min. value: 100, max. value: 999
			
			100, 110, 195

milestone_level_description		Milestone level description. Should align with DS04.milestone_level. Should be descriptive with a verb. DS04.milestone_level_description	string, maxLength: 50
WBS_ID	X	WP or PP or SLPP WBS identifier. Explain in DS04.justification_WBS_ID if DS01.type is not WP or PP. DS04.WBS_ID	string, maxLength: 50
justification_WBS		Justification narrative for WBS identifier is not WP or PP or SLPP WBS. Not required if no justification narrative for WBS identifier is not WP or PP or SLPP WBS. DS04.justification_WBS	string
CAM		CAM selection: • CAM name for DS01.type = CA, WP, PP. • Project manager name for DS01.type = SLPP. • Project or appropriate manager name for DS01.type = WBS Format: [last name] space [first name] space [middle initial, optional]. Should align with DS01.CAM. DS04.CAM	string, maxLength: 100 Whitney Zachary B, Burks Deanna A, Simon Avaya S, Moses Kendall

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
EVT		EVT selection that should be aligned with DS03.EVT (explanations should go in DS04.justification_EVT): • A = LOE • B = weighted milestones (explain if utilized) • C = percent complete • D = units complete or for use in DS03 only, discrete (combination of discrete DS03.EVT excluding A, J, K, M, or NA) • E = 50-50 • F = 0-100 • G = 100-0 (explain if utilized) • H = variation of 50-50 (explain if utilized) • J = apportioned (explain if utilized) • K = planning package (overrides where DS01.type = PP or SLPP) • L = assignment percent complete (explain if utilized) • M = calculated apportionment (explain if utilized) • N = steps (explain if utilized) • O = earned as spent (explain if utilized) • P = percent manual entry (explain if utilized) Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P. DS04.EVT	string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P
justification_EVT		Justification narrative where DS04.EVT = B, G, H, J, L, M, N, O, or P. DS04.justification_EVT	string
EVT_J_to_task_ID		task_ID apportioned to, if DS04.EVT = J. DS04.EVT_J_to_task_ID	string
EVT_J_pct		Percent apportioned, if apportioned from another DS04.task_ID. DS04.EVT_J_pct	number, max. of 2 decimal places
ES_date	X	Early start date. DS04.ES_date DS04.ES_date_DS03 = aligned to DS03 period date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
EF_date	X	Early finish date. DS04.EF_date DS04.EF_date_DS03 = aligned to DS03 period date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
LS_date	X	Late start date. DS04.LS_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
LF_date	X	Late finish date. DS04.LF_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
AS_date		Actual start date. DS04.AS_date CPP-1.DS04.AS_date = prior CPP_status_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
AF_date		Actual finish date. DS04.AF_date CPP-1.DS04.AF_date = prior CPP_status_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
duration_original_days	X	Original duration (work days). DS04.duration_original_days	number, max. of 2 decimal places
duration_remaining_days	X	Remaining duration (work days). DS04.duration_remaining_days	number
duration_actual_days	X	Actual duration (work days). DS04.duration_actual_days	number, max. of 2 decimal places
float_free_days	X	Free float (work days). DS04.float_free_days	number, max. of 2 decimal places
float_total_days	X	Total float (work days). DS04.float_total_days	number, max. of 2 decimal places
justification_float_high		Justification narrative for high float, DS04.float_total. Not required if no justification narrative for high float. DS04.justification_float_high	string
justification_lag		Justification narrative for lag relation with predecessor, DS05.lag_days <> 0. Not required if no justification narrative for lag relation with predecessor. DS04.justification_lag	string

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
driving_path	X	Task is on the longest path or, for P6, is on the driving path (Y or N). DS04.driving_path	string, select from: Y, N
RMT_ID		Align with only one DS15.risk_ID. Provide if an RMT. DS04.RMT_ID	string, maxLength: 50
PC_type	X	% complete type selection (% complete used to calculate BCWP): • duration (utilized when DS04.type = LOE or DS04.EVT = A) • physical (utilized when DS04.type <> LOE, and DS04.EVT <> A) • units (utlized when DS06.EOC = material) DS04.PC_type	string, select from: duration, physical, units
PC_duration	X	Duration % complete. If % complete = 100%, 1.00. If 99% <= % complete < 100%, 0.99 (truncate remainder). If 0 < % complete < 99%, round to 2 digits. If 0 = % complete, 0.00. DS04.PC_duration	number, max. of 2 decimal places, min. value: 0, max. value: 1
PC_physical	X	Physical % complete. If % complete = 100%, 1.00. If 99% <= % complete < 100%, 0.99 (truncate remainder). If 0 < % complete < 99%, round to 2 digits. If 0 = % complete, 0.00. Utilize if DS04.type = TD or RD. DS04.PC_physical	number, max. of 2 decimal places, min. value: 0, max. value: 1
PC_units	X	Units % complete. If % complete = 100%, 1.00. If 99% <= % complete < 100%, 0.99 (truncate remainder). If 0 < % complete < 99%, round to 2 digits. If 0 = % complete, 0.00. Utilize if DS04.type = TD or RD and DS06.EOC = material. DS04.PC_units	number, max. of 2 decimal places, min. value: 0, max. value: 1
constraint_type		Start primary constraint type selection: • CS_ASAP = as soon as possible (not considered a soft or hard constraint) • CS_MANDSTART = mandatory start (considered hard constraint) • CS_MSO = must start on (considered hard constraint) • CS_MSOA = must start on or after (considered soft constraint) • CS_MSOB = must start on or before (considered hard constraint) Finish primary constraint type selection: • CS_ALAP = as late as possible (not considered a soft or hard constraint) • CS_MANDFIN = mandatory finish (considered hard constraint) • CS_MEO = must finish on (considered hard constraint) • CS_MEOA = must finish on or after (considered soft constraint) • CS_MEOB = must finish on or before (considered hard constraint) Provide hard constraint justification in DS04.justification_constraint_hard. Provide soft constraint justification in DS04.justification_constraint_soft. Identify secondary constraint in DS04.justification_constraint_secondary. DS04.constraint_type	string, select from: CS_ASAP, CS_MANDSTART, CS_MSO, CS_MSOA, CS_MSOB, CS_ALAP, CS_MANDFIN, CS_MEO, CS_MEOA, CS_MEOB
constraint_date		Primary constraint date. Not required if DS04.constraint_type = CS_ALAP or not provided. DS04.constraint_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
justification_constraint_hard		Justification narrative for hard constraint, DS04.constraint_type. Not required if no justification narrative for hard constraint. DS04.justification_constraint_hard	string
justification_constraint_soft		Justification narrative for soft constraint, DS04.constraint_type. Not required if no justification narrative for soft constraint. DS04.justification_constraint_soft	string
justification_constraint_secondary		Justification narrative for secondary start and finish constraints. Not required if no justification narrative for identification of secondary start and finish constraints. DS04.justification_constraint_secondary	string
HDV_CI_ID		HDV-CI identifier. The data should align with DS14.HDV_CI_ID. Not required if no HDV-CI identifier. DS04.HDV_CI_ID	string, maxLength: 50
RPG	X	Task is for a reprogramming effort. DS04.RPG	string, select from: Y, N

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
calendar_name		Calendar name for task. Align with DS19.calendar_name and DS20.calendar_name. Required unless task is an SVT. DS04.calendar_name	string, maxLength: 50
subproject_ID		Unique subproject identifier. Tasks not in project scope should be associated with that task's primary project, not this project's primary project. This includes SVTs, tasks pre-CD-0, and tasks post DS04.milestone_level = 170, 175, or 180. DS04.subproject_ID	string, maxLength: 100
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS05 schedule_logic

description		This data set should be populated with the project's contractor BL and FC IMS tool task relationship data for the DS04 tasks. The contractor BL and FC IMS tool task relationship data by task and predecessor. There should be alignment between the BL and FC IMSs.	
schedule_type	X	Schedule type selection: • BL = baseline • FC = forecast The data should be scheduled by the schedule tool. DS05.schedule_type	string, select from: BL, FC
task_ID	X	Unique task identifier. DS05.task_ID	string, maxLength: 50
predecessor_task_ID	X	Task identifier of the predecessor task. The data should align with DS04.task_ID. DS05.predecessor_task_ID	string, maxLength: 50
type	X	Task relationship (task to its predecessor) selection: • FS = finish to start • SS = start to start • SF = start to finish • FF = finish to finish DS05.type	string, select from: FS, SS, SF, FF
lag_days	X	Task relationship lag (work days) based on predecessor's calendar. The data is positive if lag. The data is negative if lead. DS05.lag_days	number, max. of 2 decimal places
subproject_ID		Unique subproject identifier. Tasks not in project scope should be associated with that task's primary project, not this project's primary project. This includes SVTs, tasks pre-CD-0, and tasks post DS04.milestone_level = 170, 175, or 180. DS05.subproject_ID	string, maxLength: 100
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description unique field identifier (primary & calculated)	JSON data type example
DS06 **schedule_resources**			
description		This data set should be populated with the project's contractor BL and FC IMS tool task role and resource data for the DS04 tasks. Provide the contractor BL and FC IMS tool task role and/or resource data by task. There should be alignment between the BL and FC IMSs.	
schedule_type	X	Schedule type selection: • BL = baseline • FC = forecast The data should be scheduled by the schedule tool. DS06.schedule_type	string, select from: BL, FC
task_ID	X	Unique task identifier. DS06.task_ID	string, maxLength: 50
resource_ID		Unique resource identifier. DS06.resource_ID	string, maxLength: 50
resource_name		Unique resource name. DS06.resource_name	string, maxLength: 100
role_ID		Unique role identifier. DS06.role_ID	string, maxLength: 50
role_name		Unique role name. DS06.role_name	string, maxLength: 100
type	X	Resource type selection: • labor where DS06.EOC = labor • nonlabor where DS06.EOC is not labor • material where DS06.EOC is not labor DS06.type	string, select from: labor, nonlabor, material
EOC	X	EOC selection: • labor • material • subcontract • ODC • overhead (if overhead is utilized, other EOCs for the project should not include overhead) DS06.EOC	string, select from: labor, material, subcontract, ODC, overhead
start_date	X	Resource start date. For FC IMS, updated resource start or started date. DS06.start_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
finish_date	X	Resource finish date. For FC IMS, updated resource start or started date. DS06.finish_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
budget_dollars	X	Total budget (dollars). DS06.budget_dollars	number
actual_dollars	X	Total actual (dollars). DS06.actual_dollars	number, max. of 2 decimal places
remaining_dollars	X	Total remaining (dollars). DS06.remaining_dollars	number, max. of 2 decimal places
budget_units	X	Total budget (units). Units of measure are specified in UOM field. DS06.budget_units	number, max. of 2 decimal places
actual_units	X	Total actual (units). Units of measure are specified in UOM field. DS06.actual_units	number, max. of 2 decimal places
remaining_units	X	Total remaining (units). Units of measure are specified in UOM field. DS06.remaining_units	number, max. of 2 decimal places
UOM	X	Unit of measure. If resource_type is labor or non-labor, it is h. If it is material it is a string. DS06.UOM	string, maxLength: 20 h, CY, LF, tons

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
lag_remaining_days	X	Task relationship remaining lag (work days) based on predecessor's calendar. The data is positive if lag. The data is negative if lead. DS06.lag_remaining_days	number, max. of 2 decimal places
lag_planned_days	X	Task relationship planned lag (work days) based on predecessor's calendar. The data is positive if lag. The data is negative if lead. DS06.lag_planned_days	number, max. of 2 decimal places
calendar_name	X	Calendar name for resource. Align with DS19.calendar_name and DS20.calender_name. DS06.calendar_name	string, maxLength: 50
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example: string, integer
DS07 IPMR_header			
description		This object should be populated with the project's contractor IPMR header data aligned with DS01 to DS06 and DS09 to DS12. Provide the contractor EVMS cost tool IPMR header data. This object contains IPMR header information so does not have an array of objects like other DS objects.	
K_ID	X	Unique DOE contract number and, if applicable, CLIN(s). DS07.K_ID	string, maxLength: 255
type		Contract type selection: • FFP = firm fixed price • FPE = fixed price escalation • FPI = fixed price incentive • CPIF = cost plus incentive fee • CPAF = cost plus award fee • CPDS = cost plus fixed fee • CPE = cost plus expenses • CPP = cost plus percentage DS07.type	string, select from: FFP, FPE, FPI, CPIF, CPAF, CPDS, CPE, CPP
UB_bgt_days	X	UB, budget applicable to the contract effort not yet distributed to the WBS identifiers at or below the reporting level (work days). DS07.UB_bgt_days	number, max. of 2 decimal places
UB_est_days	X	EAC for scope of work represented by the UB (work days). DS07.UB_est_days	number, max. of 2 decimal places
UB_bgt_dollars	X	UB, budget applicable to the contract effort not yet distributed to the WBS identifiers at or below the reporting level. DS07.UB_bgt_dollars	number, max. of 2 decimal places
UB_est_dollars	X	EAC for scope of work represented by the UB. DS07.UB_est_dollars	number, max. of 2 decimal places
MR_bgt_dollars	X	MR excluding OTB and OTS. DS07.MR_bgt_dollars	number, max. of 2 decimal places
MR_rpg_dollars	X	MR reprogramming adjustment factoring OTB and OTS. DS07.MR_rpg_dollars	number, max. of 2 decimal places
AUW_dollars	X	AUW of the authorized, unpriced work for approved work scope that has not been definitized by the contracting officer. Amount is the procuring contracting officer's best estimate. Excludes fee and profit. AUW cannot be negative. For effort de-scoped and not yet reflected in the CBB. DS07.AUW_dollars	number, max. of 2 decimal places, min. value: 0
NCC_dollars	X	NCC on which project was reached as of the reflected reporting period. Excludes fee and profit. For an incentive contract, the definitized contract target cost. For a cost plus fixed fee or award fee contract, the estimated negotiated cost that consists only of the estimates amount for changes in the contract scope of work and not for cost change (overrun or underrun) from the original cost. Amount for changes shall not be included until definitized in the contract. DS07.NCC_dollars	number, max. of 2 decimal places
CBB_dollars	X	CBB, the NCC plus AUW. DS07.CBB_dollars	number, max. of 2 decimal places
OTB_OTS_date		Date last OTB or OTS was approved by DOE and implemented. Not required if no OTB or OTS. DS07.OTB_OTS_date	string, must be date as YYYY-MM-DD 2020-01-01,2019-02-026,2020-10-14

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example: string, integer
TAB_dollars	X	TAB, total budget value allocated to the performance of the contractual effort including MR and UB. Excludes fee and profit. DS07.TAB_dollars	number, max. of 2 decimal places
profit_fee_dollars		Target profit or fee that applies to the negotiated contract cost. DS07.profit_fee_dollars	number, max. of 2 decimal places
EAC_PM_best_dollars		Contractor's best case EAC for the contract cost for all authorized contractual efforts. Excludes fee and profit. DS07.EAC_PM_best_dollars	number, max. of 2 decimal places
EAC_PM_likely_dollars	X	Contractor's most likely case EAC for the contract cost for all authorized contractual efforts. Excludes fee and profit. DS07.EAC_PM_likely_dollars	number, max. of 2 decimal places
EAC_PM_worst_dollars		Contractor's worst case EAC for the contract cost for all authorized contractual efforts. Excludes fee and profit. DS07.EAC_PM_worst_dollars	number, max. of 2 decimal places
EAC_PM_best_date	X	Contractor's best case EAC date for all authorized contractual efforts. DS07.EAC_PM_best_date	string, must be date as YYYY-MM-DD
EAC_PM_likely_date	X	Contractor's most likely case EAC date for all authorized contractual efforts. DS07.EAC_PM_likely_date	string, must be date as YYYY-MM-DD
EAC_PM_worst_date	X	Contractor's worst case EAC date for all authorized contractual efforts. DS07.EAC_PM_worst_date	string, must be date as YYYY-MM-DD
escalation_rate_pct	X	Escalation rate for DS07.TAB. DS07.escalation_rate_pct	number, max. of 2 decimal places
QRA_CL_cost_pct	X	Quantitative risk analysis confidence level for cost DS07.MR_rpg and DS07.MR_bgt. DS07.QRA_CL_cost_pct	number, max. of 2 decimal places, min. value: 0, max. value: 1
QRA_CL_schedule_pct	X	Quantitative risk analysis confidence level for schedule and aligned with DS07.MR_rpg and DS07.MR_bgt. DS07.QRA_CL_schedule_pct	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_cost_cum_dollar_fav	X	Project cost threshold (dollar) for cumulative variance analysis at CA WBS level, favorable. DS07.threshold_cost_cum_dollar_fav	number, max. of 2 decimal places
threshold_cost_cum_dollar_unfav	X	Project cost threshold (dollar) for cumulative variance analysis at CA WBS level, unfavorable. DS07.threshold_cost_cum_dollar_unfav	number, max. of 2 decimal places
threshold_cost_cum_pct_fav	X	Project cost threshold (percent) for cumulative variance analysis CA WBS level, favorable. DS07.threshold_cost_cum_pct_fav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_cost_cum_pct_unfav	X	Project cost threshold (percent) for cumulative variance analysis CA WBS level, unfavorable. DS07.threshold_cost_cum_pct_unfav	number, max. of 2 decimal places, min. value: 0, max. value: 1

field name	req'd	description unique field identifier (primary & calculated)	JSON data type example: string, integer
threshold_cost_inc_dollar_fav	X	Project cost threshold (dollar) for incremental variance analysis CA WBS level, favorable. DS07.threshold_cost_inc_dollar_fav	number, max. of 2 decimal places
threshold_cost_inc_dollar_unfav	X	Project cost threshold (dollar) for incremental variance analysis CA WBS level, unfavorable. DS07.threshold_cost_inc_dollar_unfav	number, max. of 2 decimal places
threshold_cost_inc_pct_fav	X	Project cost threshold (percent) for incremental variance analysis CA WBS level, favorable. DS07.threshold_cost_inc_pct_fav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_cost_inc_pct_unfav	X	Project cost threshold (percent) for incremental variance analysis CA WBS level, unfavorable. DS07.threshold_cost_inc_pct_unfav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_cost_VAC_dollar_fav	X	Project cost threshold (dollar) for VAC at project level, favorable. DS07.threshold_cost_VAC_dollar_fav	number, max. of 2 decimal places
threshold_cost_VAC_dollar_unfav	X	Project cost threshold (dollar) for VAC at project level, unfavorable. DS07.threshold_cost_VAC_dollar_unfav	number, max. of 2 decimal places
threshold_cost_VAC_pct_fav	X	Project cost threshold (percent) for VAC at project level, favorable. DS07.threshold_cost_VAC_pct_fav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_cost_VAC_pct_unfav	X	Project cost threshold (percent) for VAC at project level, unfavorable. DS07.threshold_cost_VAC_pct_unfav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_schedule_cum_dollar_fav	X	Project schedule threshold (dollar) for cumulative variance analysis at CA WBS level, favorable. DS07.threshold_schedule_cum_dollar_fav	number, max. of 2 decimal places
threshold_schedule_cum_dollar_unfav	X	Project schedule threshold (dollar) for cumulative variance analysis at CA WBS level, unfavorable. DS07.threshold_schedule_cum_dollar_unfav	number, max. of 2 decimal places
threshold_schedule_cum_pct_fav	X	Project schedule threshold (percent) for cumulative variance analysis CA WBS level, favorable. DS07.threshold_schedule_cum_pct_fav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_schedule_cum_pct_unfav	X	Project schedule threshold (percent) for cumulative variance analysis CA WBS level, unfavorable. DS07.threshold_schedule_cum_pct_unfav	number, max. of 2 decimal places, min. value: 0, max. value: 1
threshold_schedule_inc_dollar_fav	X	Project schedule threshold (dollar) for incremental variance analysis CA WBS level, favorable. DS07.threshold_schedule_inc_dollar_fav	number, max. of 2 decimal places
threshold_schedule_inc_dollar_unfav	X	Project schedule threshold (dollar) for incremental variance analysis CA WBS level, unfavorable. DS07.threshold_schedule_inc_dollar_unfav	number, max. of 2 decimal places
threshold_schedule_inc_pct_fav	X	Project schedule threshold (percent) for incremental variance analysis CA WBS level, favorable. DS07.threshold_schedule_inc_pct_fav	number, max. of 2 decimal places, min. value: 0, max. value: 1

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example: string, integer
threshold_schedule_inc_ pct_unfav	X	Project schedule threshold (percent) for incremental variance analysis CA WBS level, unfavorable. DS07.threshold_schedule_inc_pct_unfav	number, max. of 2 decimal places, min. value: 0, max. value: 1
expected_errors		For use only for debugging and testing with the PARS support team. This field should be omitted in production data. The field should consist of a comma seperated list of unique DIQ identifiers that this row of data is expected to trigger. DS07.expected_errors	string
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS08 WAD			
description		This data set should be populated with the approved project's contractor WAD data for the entire span of the project (not the contract) to include from initial and all revisions. The contractor WAD data by CA and SLPP WBS level and optional by PP and WP WBS levels.	
WAD_ID	X	WAD identifier.	string, maxLength: 50
		DS08.WAD_ID	
revision		WAD version.	string, maxLength: 50
		DS08.revision	
title	X	WAD title.	string, maxLength: 255
		DS08.title	
WBS_ID	X	CA or SLPP WBS level identifier.	string, maxLength: 50
		DS08.WBS_ID	
WBS_ID_WP		WP or PP.	string
		DS08.WBS_ID_WP	
auth_PM_date		Date WAD was last signed by contractor project manager.	string, maxLength: 255
		DS08.auth_PM_date	
auth_CAM_date		Date WAD was last signed by CAM.	string, maxLength: 255
		DS08.auth_CAM_date	
auth_WPM_date		Date WAD was last signed by WPM.	string, maxLength: 255
		DS08.auth_WPM_date	
initial_auth_date		Date WAD was initially signed by contractor project manager.	string, must be date as YYYY-MM-DD
		DS08.initial_auth_date	2020-01-01, 2019-02-026, 2020-10-14
EVT		Provide if WBS_ID_WP is provided. EVT selection that should be aligned with DS03.EVT and DS04.EVT: • A = LOE • B = weighted milestones • C = percent complete • D = units complete or for use in DS03 only, discrete • E = 50-50 • F = 0-100 • G = 100-0 • H = variation of 50-50 • J = apportioned • K = planning package (overrides where DS01.type = PP or SLPP) • L = assignment percent complete • M = calculated apportionment • N = steps • O = earned as spent • P = percent manual entry • NA = only for DS01.type = CA where ACWP. Discrete EVTs for metrics consists of B, C, D, E, F, G, H, L, N, O, P.	string, select from: A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, NA
		DS08.EVT	
budget_labor_dollars	X	Total budget for EOC labor (dollars).	number, max. of 2 decimal places
		DS08.budget_labor_dollars	
budget_material_dollars	X	Total budget for EOC material (dollars).	number, max. of 2 decimal places
		DS08.budget_material_dollars	
budget_ODC_dollars	X	Total budget for EOC ODC (dollars).	number, max. of 2 decimal places
		DS08.budget_ODC_dollars	
budget_overhead_dollars	X	Total budget for EOC overhead (dollars).	number, max. of 2 decimal places
		DS08.budget_overhead_dollars	
budget_subcontract_dollars		Total budget for EOC subcontract (dollars).	number, max. of 2 decimal places
		DS08.budget_subcontract_dollars	
budget_labor_hours	X	Total labor budget (hours).	number, max. of 2 decimal places
		DS08.budget_labor_hours	
POP_start_date	X	WBS POP start date, as defined by the latest approved baseline change. Not required if DS10.transaction_ID is not DB.	string, must be date as YYYY-MM-DD
			2020-01-01, 2019-02-026, 2020-10-14
		DS08.POP_start_date	
		DS08.POP_start_date [period] = aligned to DS03 period date	

DOE CPP Upload Requirements including DID

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
POP_finish_date	X	WBS POP finish date, as defined by the latest approved baseline change. Not required if DS10.transaction_ID is not DB.	string, must be date as YYYY-MM-DD
			2020-01-01, 2019-02-026, 2020-10-14
		DS08.POP_finish_date	
		DS08.POP_finish_date [period] = aligned to DS03 period date	
CAM	X	CAM who signed WAD. Format: [last name] space [first name] space [middle initial, optional]	string, maxLength: 100
		DS08.CAM	
WPM		PP or WP WBS level manager. Optional if DS01.type = PP or WP. Format: [last name] space [first name] space [middle initial, optional]	string, maxLength: 100
		DS08.WPM	
PM	X	Contractor project manager. Format: [last name] space [first name] space [middle initial, optional]	string, maxLength: 100
		DS08.PM	
narrative	X	CA WBS scope statement (not title) encompassing all scope per WAD and aligned with DS01.narrative and DS02.narrative.	string
		DS08.narrative	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS09 CC_log			
description		This data set should be populated with the project's contractor project change control log data for the entire span of the project (not the contract). Provide the contractor approved project change control log data by CC_log identifer. The data should include the initial CC_log and the initial deposit at the start of the project.	
CC_log_ID	X	CC identifier.	string, maxLength: 50
		DS09.CC_log_ID	
CC_log_ID_supplement		Supplemental CC_log_ID, e.g. revisions.	string, maxLength: 50
		DS09.CC_log_ID_supplement	
CC_log_ID_original_UB		For CCs that are approving distribution of budget from UB, this should have original CC_log_ID that approved increase of UB account through AUW or modification.	string, maxLength: 50
		DS09.CC_log_ID_original_UB	
type	X	BCP type selection (per DOE EVMS glossary): • Funding • BCP • BCR	string, select from: BCP, BCR, Funding
		DS09.type	
K_mod_ID		Provide when CC_log_ID is associated with a contract mod.	string
		DS09.K_mod_ID	
description	X	Scope description. (Do not include unapproved changes)	string
		DS09.description	
approved_date	X	Approved date.	string, must be date as YYYY-MM-DD
		DS09.approved_date	2020-01-01, 2019-02-026, 2020-10-14
implementation_date	X	Date during which the change has been implemented within contractor systems.	string, must be date as YYYY-MM-DD
		DS09.implementation_date	2020-01-01, 2019-02-026, 2020-10-14
dollars_delta		Total increase or decrease in CA WBS budgeted dollars authorized by the change request.	number, max. of 2 decimal places
		DS09.dollars_delta	
hours_delta		Total increase or decrease in CA WBS budgeted number of hours authorized by the change request.	number, max. of 2 decimal places
		DS09.hours_delta	
PM		Contractor project manager. Format: [last name] space [first name] space [middle initial, optional]	string, maxLength: 100
		DS09.PM	
risk_ID		List of risk_IDs addressed by CC_log_ID. Aligns with DS15.risk_ID. If multple identifiers, seperate with semicolons.	string, maxLength: 100
		DS09.risk_ID	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS10 CC_log_detail			
description		This data set should be populated with the project's contractor project change control log transaction data for DS09. Provide the contractor approved project change control log transaction data by CC_log identifier. The data should consist of CC_logs, each resulting in zero-sum of dollars that are moved between the transaction categories, unless new budget is added to the CBB.	
transaction_ID	X	Unique transaction identifier.	string, maxLength: 50
		DS10.transaction_ID	
category	X	Transaction category selection: • CNT = DOE contingency • DB = distributed budget (should also be identified by the CA WBS) • UB = undistributed budget account • MR = management reserve account • OTB = over-target baseline only • OTS = over-target schedule only • OTB-OTS = OTB and OTS • funding • profit-fee	string, select from: CNT, DB, UB, MR, OTB, OTS, OTB-OTS, funding, profit-fee
		DS10.category	
CC_log_ID	X	CC identifier.	string, maxLength: 50
		DS10.CC_log_ID	
description		Transaction summary information.	string
		DS10.description	
WBS_ID		WBS identifier. Project level required for UB, MR, CNT. CA or lower level required if transaction type is DB.	string, maxLength: 50
		DS10.WBS_ID	
dollars_delta		CC_log impact (dollars) that changes the balance.	number, max. of 2 decimal places, min. value: 0
		DS10.dollars_delta	
		CPP-1,2.DS10.dollars_delta = prior 1st,2nd CPP_status_date	
hours_delta		CC_log impact (hours) that changes the balance.	number, max. of 2 decimal places, min. value: 0
		DS10.hours_delta	
AUW	X	Transaction is for AUW.	string, select from: Y, N
		DS10.AUW	
NTE_dollars_delta		NTE for DS10.AUW_dollars	number, max. of 2 decimal places
		DS10.NTE_dollars_delta	
POP_start_date		CA or WP WBS POP start date, only if modified.	string, must be date as YYYY-MM-DD
		DS10.POP_start_date	2020-01-01, 2019-02-026, 2020-10-14
POP_finish_date		CA or WP WBS POP finish date, only if modified.	string, must be date as YYYY-MM-DD
		DS10.POP_finish_date	2020-01-01, 2019-02-026, 2020-10-14
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS11 variance

description		This data set should be populated with the project's contractor variance data. Provide the contractor variance data by WBS identifier; for project, use the project level WBS identifier.	
WBS_ID	X	WBS identifier.	string, maxLength: 50
		DS11.WBS_ID	
narrative_type		Narrative type selection: • 100 PRJ = project level summary • 110 RPG = project level formal reprogramming analysis • 120 VAC = project level VAC analysis • 130 EAC = project level EAC analysis • 140 UB = project level UB analysis • 150 MR = project level MR analysis • 160 IMS = project level IMS discussion • 170 F3 = project level IPMR F3 discussion • 180 F4 = project level IPMR F4 discusion • 200 SLPP = summary level planning package (The data should not have SV or CV.) • 300 CA = control account • 400 PP = planning package (The data should not have SV or CV.) • 500 WP = work package	string, select from: 100, 110, 120, 130, 140, 150, 160, 170, 200, 300, 400, 500
		DS11.narrative_type	
narrative_overall		Overall narrative. Provide if DS11.narrative_type <200	string
		DS11.narrative_overall	
narrative_RC_SVi		Root cause narrative for incremental schedule variance.	string
		DS11.narrative_RC_SVi	
narrative_RC_CVi		Root cause narrative for incremental cost variance.	string
		DS11.narrative_RC_CVi	
narrative_RC_SVc		Root cause narrative for cumulative schedule variance.	string
		DS11.narrative_RC_SVc	
narrative_RC_CVc		Root cause narrative for cumulative cost variance.	string
		DS11.narrative_RC_CVc	
narrative_impact_technical		Impact narrative for technical variance.	string
		DS11.narrative_impact_technical	
narrative_impact_schedule		Impact narrative for schedule variance.	string
		DS11.narrative_impact_schedule	
narrative_impact_cost		Impact narrative for cost variance.	string
		DS11.narrative_impact_cost	
CAL_ID		Unique corrective action log identifier(s). If multiple identifiers, separate with semicolons.	string
		DS11.CAL_ID	
approved_date		Approved date by CAM.	string, must be date as YYYY-MM-DD
		DS11.approved_date	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS12 variance_CAL			
description		This data set should be populated with the project's contractor corrective action data for DS11. Provide the contractor corrective action data by corrective action identifier. The data should validate that corrective actions for variances are addressed, monitored, and mitigated. The data may be limited to the corrective actions that are open or closed within the current reporting period, based on coordination with DOE.	
CAL_ID	X	Corrective action log identifier.	string
		DS12.CAL_ID	
transaction_ID		Unique transaction identifier.	string, maxLength: 50
		DS12.transaction_ID	
narrative_schedule		Corrective action narrative for cumulative schedule variance.	string
		DS12.narrative_schedule	
narrative_cost		Corrective action narrative for cumulative cost variance.	string
		DS12.narrative_cost	
POC	X	Name of the person responsible for closing corrective action. Does not have to be the same as CAM. Format: [last name] space [first name] space [middle initial, optional].	string, maxLength: 100
		DS12.POC	
status	X	Current status of corrective action Item as it exists in contractor log. • open • closed	string, select from: open, closed
		DS12.status	
initial_date	X	Date of the initial corrective action.	string, must be date as YYYY-MM-DD
		DS12.initial_date	2020-01-01, 2019-02-026, 2020-10-14
original_due_date	X	Original due date by which corrective action was supposed to be closed.	string, must be date as YYYY-MM-DD
		DS12.original_due_date	2020-01-01, 2019-02-026, 2020-10-14
forecast_due_date	X	Forecast due date that indicates expected closure date for the corrective action. DS12.closed_date if closed.	string, must be date as YYYY-MM-DD
		DS12.forecast_due_date	2020-01-01, 2019-02-026, 2020-10-14
closed_date		Actual date when corrective action was closed.	string, must be date as YYYY-MM-DD
		DS12.closed_date	2020-01-01, 2019-02-026, 2020-10-14
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS13 subK			
description		This data set should be populated with the project's subcontract work data as reported by the subcontractors to the contractor. The data should include all subcontracts that have discrete work and that have schedule or cost reporting requirements. The data should be updated as subcontracts are negotiated. The data may be limited to a single line per subcontract due to type or size of the subcontract or data availability, based on coordination with DOE.	
subK_ID	X	Unique subcontract identifier (e.g., subcontract name). DS13.subK_ID	string, maxLength: 50
subK_task_ID	X	Unique task ID from subcontract schedule. DS13.subK_task_ID	string, maxLength: 50
task_ID	X	DS04.task_ID associated with subcontract work. DS13.task_ID	string, maxLength: 50
BCWSc_dollars		BCWS cumulative (dollars). DS13.BCWSc_dollars	number, max. of 2 decimal places
BCWPc_dollars		BCWP cumulative (dollars). DS13.BCWPc_dollars	number, max. of 2 decimal places
ACWPc_dollars		ACWP cumulative (dollars). DS13.ACWPc_dollars	number, max. of 2 decimal places
BAC_dollars		DB (dollars). DS13.BAC_dollars	number, max. of 2 decimal places
BAC_initial_dollars		BAC initial (dollars). DS13.BAC_initial_dollars	number, max. of 2 decimal places
EAC_dollars		EAC (dollars). DS13.EAC_dollars	number, max. of 2 decimal places
BL_start_date		Baseline start date. DS13.BL_start_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
BL_finish_date		Baseline finish date. DS13.BL_finish_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
FC_start_date		Forecast start date. DS13.FC_start_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
FC_finish_date		Forecast finish date. DS13.FC_finish_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
AS_date		Actual start date. DS13.AS_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
AF_date		Actual finish date. DS13.AF_date	string, must be date as YYYY-MM-DD 2020-01-01, 2019-02-026, 2020-10-14
MR_dollars		MR Remaining (dollars). DS13.MR_dollars	number, max. of 2 decimal places
MR_initial_dollars		MR initial (dollars). DS13.MR_initial_dollars	number, max. of 2 decimal places
profit_fee_dollars		Profit fee remaining (dollars). DS13.profit_fee_dollars	number, max. of 2 decimal places
profit_fee_earned_dollars		Profit fee earned (dollars). DS13.profit_fee_earned_dollars	number, max. of 2 decimal places
profit_fee_initial_dollars		Profit fee initial (dollars). DS13.profit_fee_initial_dollars	number, max. of 2 decimal places
subK_PO_ID		Purchase order identifier. DS13.subK_PO_ID	string
flow_down	X	DOE Order 413.3B CRD flow down required. DS13.flow_down	string, select from: Y, N

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release	
		v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.	
		v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.	
		v02.02, 2022-09-01, PARS Support, Minor revisions.	
		v02.10, 2022-10-20, PARS Support, Revisions.	
		v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.	
		v03.10, 2022-10-28, PARS Support, Revisions.	
		v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.	
		v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

DOE CPP Upload Requirements including DID

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS14 HDV_CI			
description		This data set should be populated with the project's contractor HDV-CI data. Provide the contractor HDV-CI data by WBS and HDV-CI identifiers.	
HDV_CI_ID	X	Unique HDV-CI identifier. This data should align with DS04.HDV_CI_ID.	string, maxLength: 50
		DS14.HDV_CI_ID	
description	X	HDV-CI description.	string
		DS14.description	
subK_ID		Subcontract identifier.	string, maxLength: 50
		DS14.subK_ID	
subK_PO_ID		Purchase order identifier.	string, maxLength: 50
		DS14.subK_PO_ID	
equipment_ID		Equipment identifier.	string, maxLength: 50
		DS14.equipment_ID	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release	
		v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release.	
		v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release.	
		v02.02, 2022-09-01, PARS Support, Minor revisions.	
		v02.10, 2022-10-20, PARS Support, Revisions.	
		v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release.	
		v03.10, 2022-10-28, PARS Support, Revisions.	
		v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release.	
		v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS15 risk_register			
description		This data set should be populated with the project's contractor risk log for the entire span of the project (not the contract). Provide the contractor risk log by risk identifier. The data should be updated through the CPP_status_date.	
risk_ID	X	Unique risk identifier.	string, maxLength: 50
		DS15.risk_ID	
revision		Current revision number for the DS15.risk_ID	string, maxLength: 50
		DS15.revision	
description	X	Risk description. Format: if then.	string, maxLength: 500
		DS15.description	
type	X	Risk type selection: • T = threat • O = opportunity	string, select from: T, O
		DS15.type	
manager	X	Risk manager. Format: [last name] space [first name] space [middle initial, optional].	string, maxLength: 100
		DS15.manager	
owner	X	Risk owner selection: • federal • contractor	string, select from: federal, contractor
		DS15.owner	
approved_date		Approved date with risk handling selection.	string, must be date as YYYY-MM-DD
		DS15.approved_date	2020-01-01, 2019-02-026, 2020-10-14
realized_date		Date risk realized.	string, must be date as YYYY-MM-DD
		DS15.realized_date	2020-01-01, 2019-02-026, 2020-10-14
closed_date		Risk closed date when risk is no longer actively tracked but remains on the risk log.	string, must be date as YYYY-MM-DD
		DS15.closed_date	2020-01-01, 2019-02-026, 2020-10-14
probability_schedule_min_pct	X	Risk event probability schedule min. (percent).	number, max. of 2 decimal places, min. value: 0, max. value: 1
		DS15.probability_schedule_min_pct	
probability_schedule_max_pct	X	Risk event probability schedule max. (percent).	number, max. of 2 decimal places, min. value: 0, max. value: 1
		DS15.probability_schedule_max_pct	
probability_cost_min_pct	X	Risk event probability cost min. (percent).	number, max. of 2 decimal places, min. value: 0, max. value: 1
		DS15.probability_cost_min_pct	
probability_cost_max_pct	X	Risk event probability cost max. (percent).	number, max. of 2 decimal places, min. value: 0, max. value: 1
		DS15.probability_cost_max_pct	
risk_handling	X	Risk handling selections: • avoid • mitigate • transfer • accept	string, select from: avoid, mitigate, transfer, accept
		DS15.risk_handling	
basis		Notes.	string
		DS15.basis	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS16 risk_register_tasks			
description		This data set should be populated with the project's contractor risk log tasks for the entire span of the project (not the contract). Provide the contractor risk log tasks by risk identifier. The data should be updated through the CPP_status_date.	
risk_ID	X	Risk identifier. Align with DS15.risk_ID.	string, maxLength: 50
		DS16.risk_ID	
risk_task_type	X	Risk task type selections: • event (risk trigger, when risk is relevant. If no event task for a risk_ID, then assume risk is relevant for the entire project.) • impact	string, maxLength: 50
		DS16.risk_task_type	
task_ID	X	Event or impact task identifer. Aligned with DS04.task_ID and based on DS16.risk_task_type.	string, maxLength: 50
		DS16.task_ID	
impact_schedule_min_days		Provide if DS16.risk_task_type = impact, schedule impact (calendar days) min.	number, max. of 2 decimal places
		DS16.impact_schedule_min_days	
impact_schedule_likely_days		Provide if DS16.risk_task_type = impact, schedule impact (calendar days) most likely.	number, max. of 2 decimal places
		DS16.impact_schedule_likely_days	
impact_schedule_max_days		Provide if DS16.risk_task_type = impact, schedule impact (calendar days) max.	number, max. of 2 decimal places
		DS16.impact_schedule_max_days	
impact_cost_min_dollars		Provide if DS16.risk_task_type = impact, cost impact (dollars) min.	number, max. of 2 decimal places
		DS16.impact_cost_min_dollars	
impact_cost_likely_dollars		Provide if DS16.risk_task_type = impact, cost impact (dollars) most likely.	number, max. of 2 decimal places
		DS16.impact_cost_likely_dollars	
impact_cost_max_dollars		Provide if DS16.risk_task_type = impact, cost impact (dollars) max.	number, max. of 2 decimal places
		DS16.impact_cost_max_dollars	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS17 WBS_EU			
description		This data set should be populated with the project's contractor WBS EU data for each DS01.WBS and basis documented. Provide the contractor WBS EU data.	
WBS_ID	X	Unique contractor WP or PP WBS identifier.	string, maxLength: 50
		DS17.WBS_ID	
EOC	X	EOC selection: • labor • material • subcontract • ODC • overhead (if utilized, other EOCs should not include overhead)	string, select from: labor, material, subcontract, ODC, overhead
		DS17.EOC	
EU_min_dollars	X	EU min. (dollars) work remaining.	number, max. of 2 decimal places
		DS17.EU_min_dollars	
EU_likely_dollars	X	EU most likely (dollars) work remaining.	number, max. of 2 decimal places
		DS17.EU_likely_dollars	
EU_max_dollars	X	EU max. (dollars) work remaining.	number, max. of 2 decimal places
		DS17.EU_max_dollars	
time_dependent	X	WBS is time-dependent (Y or N) for one or more associated tasks.	string, select from: Y, N
		DS17.time_dependent	
justification_EU		Basis. Add justification narrative if WBS EU distribution is not triangular. Not required if WBS EU distribution is triangular or WBS is completed or closed.	string
		DS17.justification_EU	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS18 schedule_EU			
description		This data set should be populated with the project's contractor task EU data for each DS04.task_ID. Provide the contractor schedule EU data.	
schedule_type	X	Schedule type selection: • BL = baseline • FC = forecast	string, select from: BL, FC
		DS18.schedule_type	
task_ID	X	Unique task identifier.	string, maxLength: 50
		DS18.task_ID	
EU_min_days	X	EU min. (work days) remaining.	integer
		DS18.EU_min_days	
EU_likely_days	X	EU most likely (work days) work remaining.	integer
		DS18.EU_likely_days	
EU_max_days	X	EU max. (work days) work remaining.	integer
		DS18.EU_max_days	
justification_EU		Basis. Add justification narrative if activity is incomplete and task EU distribution is not triangular.	string
		DS18.justification_EU	
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS19 **schedule_calendar_std**			
description		This data set should be populated with the project's contractor IMS tool standard work week calendar data for the entire span of the project (not the contract). Each weekday is limited to 3 shifts (A, B, and C) for breaks in between shifts, starting with shift A, half hour increments, and no overlaps. If more than 3 shifts, 3rd shift should be stretched to the last shift. There should be alignment between the BL and FC IMSs.	
calendar_name	X	Unique calendar name. DS19.calendar_name	string, maxLength: 50
hours_per_day	X	Hours per day. DS19.hours_per_day	number, max. of 2 decimal places
std_01_Mon_shift_A_start_time		Standard work week shift_A_start time, Monday. DS19.std_01_Mon_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_01_Mon_shift_A_stop_time		Standard work week shift_A_stop time, Monday. DS19.std_01_Mon_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_01_Mon_shift_B_start_time		Standard work week shift_B_start time, Monday. DS19.std_01_Mon_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_01_Mon_shift_B_stop_time		Standard work week shift_B_stop time, Monday. DS19.std_01_Mon_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_01_Mon_shift_C_start_time		Standard work week shift_C_start time, Monday. DS19.std_01_Mon_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_01_Mon_shift_C_stop_time		Standard work week shift_C_stop time, Monday. DS19.std_01_Mon_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_A_start_time		Standard work week shift_A_start time, Tuesday. DS19.std_02_Tue_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_A_stop_time		Standard work week shift_A_stop time, Tuesday. DS19.std_02_Tue_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_B_start_time		Standard work week shift_B_start time, Tuesday. DS19.std_02_Tue_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_B_stop_time		Standard work week shift_B_stop time, Tuesday. DS19.std_02_Tue_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_C_start_time		Standard work week shift_C_start time, Tuesday. DS19.std_02_Tue_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_02_Tue_shift_C_stop_time		Standard work week shift_C_stop time, Tuesday. DS19.std_02_Tue_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_A_start_time		Standard work week shift_A_start time, Wednesday. DS19.std_03_Wed_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_A_stop_time		Standard work week shift_A_stop time, Wednesday. DS19.std_03_Wed_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_B_start_time		Standard work week shift_B_start time, Wednesday. DS19.std_03_Wed_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_B_stop_time		Standard work week shift_B_stop time, Wednesday. DS19.std_03_Wed_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_C_start_time		Standard work week shift_C_start time, Wednesday. DS19.std_03_Wed_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_03_Wed_shift_C_stop_time		Standard work week shift_C_stop time, Wednesday. DS19.std_03_Wed_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_04_Thu_shift_A_start_time		Standard work week shift_A_start time, Thursday. DS19.std_04_Thu_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_04_Thu_shift_A_stop_time		Standard work week shift_A_stop time, Thursday. DS19.std_04_Thu_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
std_04_Thu_shift_B_start_time		Standard work week shift_B_start time, Thursday. DS19.std_04_Thu_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_04_Thu_shift_B_stop_time		Standard work week shift_B_stop time, Thursday. DS19.std_04_Thu_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_04_Thu_shift_C_start_time		Standard work week shift_C_start time, Thursday. DS19.std_04_Thu_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_04_Thu_shift_C_stop_time		Standard work week shift_C_stop time, Thursday. DS19.std_04_Thu_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_A_start_time		Standard work week shift_A_start time, Friday. DS19.std_05_Fri_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_A_stop_time		Standard work week shift_A_stop time, Friday. DS19.std_05_Fri_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_B_start_time		Standard work week shift_B_start time, Friday. DS19.std_05_Fri_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_B_stop_time		Standard work week shift_B_stop time, Friday. DS19.std_05_Fri_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_C_start_time		Standard work week shift_C_start time, Friday. DS19.std_05_Fri_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_05_Fri_shift_C_stop_time		Standard work week shift_C_stop time, Friday. DS19.std_05_Fri_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_A_start_time		Standard work week shift_A_start time, Saturday. DS19.std_06_Sat_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_A_stop_time		Standard work week shift_A_stop time, Saturday. DS19.std_06_Sat_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_B_start_time		Standard work week shift_B_start time, Saturday. DS19.std_06_Sat_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_B_stop_time		Standard work week shift_B_stop time, Saturday. DS19.std_06_Sat_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_C_start_time		Standard work week shift_C_start time, Saturday. DS19.std_06_Sat_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_06_Sat_shift_C_stop_time		Standard work week shift_C_stop time, Saturday. DS19.std_06_Sat_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_A_start_time		Standard work week shift_A_start time, Sunday. DS19.std_07_Sun_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_A_stop_time		Standard work week shift_A_stop time, Sunday. DS19.std_07_Sun_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_B_start_time		Standard work week shift_B_start time, Sunday. DS19.std_07_Sun_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_B_stop_time		Standard work week shift_B_stop time, Sunday. DS19.std_07_Sun_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_C_start_time		Standard work week shift_C_start time, Sunday. DS19.std_07_Sun_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
std_07_Sun_shift_C_stop_time		Standard work week shift_C_stop time, Sunday. DS19.std_07_Sun_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example

DS20 schedule_calendar_exception			
description		This data set should be populated with the project's contractor IMS tool calendar exception data for the entire span of the project (not the contract). Exception day is limited to 3 shifts (A, B, and C) for breaks in between shifts, starting with shift A, half hour increments, and no overlaps. If more than 3 shifts, 3rd shift should be stretched to the last shift. There should be alignment between the BL and FC IMSs.	
calendar_name	X	Calendar name. Align with DS19.calendar_name. DS20.calendar_name	string, maxLength: 50
exception_date	X	Date of exception. DS20.exception_date	string, must be date as YYYY-MM-DD
exception_work_day	X	Exception is a work day (Y or N). If Y then all day is exception and shift times do not need to be provided. If N then provide shift times. DS20.exception_work_day	string, select from: Y, N
exception_shift_A_start_time		Exception shift_A_start time. DS20.exception_shift_A_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
exception_shift_A_stop_time		Exception shift_A_stop time. DS20.exception_shift_A_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
exception_shift_B_start_time		Exception shift_B_start time. DS20.exception_shift_B_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
exception_shift_B_stop_time		Exception shift_B_stop time. DS20.exception_shift_B_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
exception_shift_C_start_time		Exception shift_C_start time. DS20.exception_shift_C_start_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
exception_shift_C_stop_time		Exception shift_C_stop time. DS20.exception_shift_C_stop_time	string, must be time as HH:MM:SS+00:00. (ISO 8601)
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	

field name	req'd	description	JSON data type
		unique field identifier (primary & calculated)	example
DS21 rates			
description		This data set should be populated with the project's contractor EVMS cost tool resource rates. Provide the contractor EVMS cost tool resource rates by WP WBS level, resource identifier, and applicable FYs. The data may be UCNI.	
resource_ID	X	Resource identifier. DS21.resource_ID	string, maxLength: 50
EOC	X	EOC selection aligned with DS03.EOC: • labor • material • subcontract • ODC • overhead (if overhead is utilized, other EOCs for the project should not include overhead) DS21.EOC	string, select from: labor, material, subcontract, ODC, overhead
burden_ID		Burden identifier (or overhead key) from accounting system, used to calculate indirect rate. DS21.burden_ID	string, maxLength: 50
type		Rate type: • D = direct rate • I = indirect rate DS21.type	string, select from: D, I
rate_start_date	X	Start date for which the rate is applicable. DS21.rate_start_date	string, must be date as YYYY-MM-DD
rate_dollars	X	Rate (dollars). DS21.rate_dollars	number, max. of 2 decimal places
revision		v01.00, 2022-07-19, PM-30, Melvin Frank, Updated for release v02.00, 2022-08-22, PM-30, Melvin Frank, Updated for release. v02.01, 2022-08-25, PM-30, Melvin Frank, Updated for release. v02.02, 2022-09-01, PARS Support, Minor revisions. v02.10, 2022-10-20, PARS Support, Revisions. v03.00, 2022-10-25, PM-30, Melvin Frank, Updated for release. v03.10, 2022-10-28, PARS Support, Revisions. v03.21, 2022-11-10, PM-30, Melvin Frank, Updated for release. v04.00, 2023-02-23, PM-30, Melvin Frank, Updated for release.	