



# Enterprise Sustainment Management System (E-SMS) Configuration Support Panel (CSP) Working Groups Update

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# *Agenda*

*Energy, Installations and Environment*

- The Why and When
- Strategic Calendar
- Working Group Updates
- Q&A?



# • *The Why*

Energy, Installations and Environment



**SUSTAINMENT \$\$ VS. DEFERRED MAINTENANCE**



# • *The Why*

Energy, Installations and Environment

An officer gives the command, “Secure the building!”

- The Army would surround the building with defensive fortifications, tanks, and concertina wire, ensuring no one gets in or out.
- The Marines would assault the building, eliminate any resistance inside, and set up a temporary headquarters.
- The Navy would turn out the lights, lock the doors, and likely post a fire watch.
- The Air Force would take out a three-year lease on the building, with an option to buy.



# *Data Quality Elements*

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## ☐ **The following all lead to Data Quality (Standardization)**

### ☐ **Joint Domain Catalog (cost)**

- Improve the fidelity of:
  - Sub-Component Type (Pseudo Level V) description
  - Replace Unit Cost
  - Design Life

### ☐ **Joint Domain Inventory and Assessment Guide/Playbook**

- Currently under review

### ☐ **Joint Domain Training (For all Assessors)**

- Tied to Career Field Certification
- Provides Professional Development Hours (PDH), Continuing Education Unit (CEU) or Continuing Education Credit (CEC) for professionals
- **Three levels of training for each Domain**
  - Asynchronous online training (Self Paced)
  - Synchronous online training (Instructor Lead)
  - Synchronous Face-to Face training (Instructor Lead) (Mobile Data Collection - SMS BRED / ESMS Field App)



# Strategic Calendar

Energy, Installations and Environment

Sustainment Management System Configuration Support Panel Strategic Calendar (updated 10/15/2024)										Key:	Governance		Policy Memorandum		Issuance	
Governance	POC		SEP	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
	SLIC			18-Sep		19-Nov										
	DASD-Level Steering Group		DASD(IM&R)													
	SMS CSP		Faldowski	26-Sep	24-Oct	21-Nov	19-Dec									
	Working Groups	SMS Assessor Qualifications	TBD													
		Data Quality	TBD													
		MDI	TBD													
		Cost Books	TBD													
	SMS Implementation		Faldowski	FC (9/16)	FC (10/4)											
	Criteria															
Policy	Assessment															
	Asset Management		Faldowski													
	FSRM		Faldowski													
Issuance																



# Strategic Calendar

Energy, Installations and Environment

Enterprise Sustainment Management System Configuration Support Panel Strategic Calendar (updated 6/25/2025)										Key:	Governance	Key Meetings	Policy	Issuance	PPBE	
		POC	SEP	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct
Governance	SLIC		18-Sep		19-Nov	6-Dec										
	Facility Asset Mgmt Sr Exec Steering Grp	DASD(IM&R)														
	E-SMS CSP	Faldowski	26-Sep	24-Oct	19-Nov	17-Dec	23-Jan	19-Feb	27-Mar	24-Apr	22-May	26-Jun	10-Jul	28-Aug		
	Assess Qual & Trng	Steve Jones / Junior Cho			5-Nov		21-Jan		18-Mar	1-Apr	6-May	2-Jun	1-Jul			
	Data Quality Metrics	Michael Clawson / Steven K			7-Nov		16-Jan		18-Mar	15-Apr	20-May	24-Jun	17-Jul			
	SMS DoDM (formerly Assessment Guide)	Jim Livingston		31-Oct			23-Jan	4-Feb	4/18 Mar	2-Apr	7-May	4-Jun	2-Jul			
	Cost Books	Richard Matkins		28-Oct	14/25 Nov	9-Dec		3/18 Feb	3/17 Mar	16-Apr	21-May	18-Jun	16-Jul			
	CI Metrics	SMS-TCX / Carrie Heishman							18-Mar	3-Apr	1-May	5-Jun	3-Jul			
	Paver	TSC/ Shaun Moya								2-Apr	7-May	4-Jun	2-Jul			
	Railer	TSC/ Ethan Russell								17-Apr	15-May	18-Jun	17-Jul			
	E-SMS Field APP	SMS-TCX / Carrie Heishman								17-Apr	15-May	TBD	TBD			
	Utilities										TBD	TBD	TBD			
Key Meeting s	DoD ESMS WG Synch				1/15-Nov	13-Dec	24-Jan	7/21 Feb	7/21 Mar	4/18 Apr	2/16/30 May	13/27 June	11/25 July			
	SMS Summit, San Antonio TX									22-25 Apr						
	JETC SAME, Louisville KY										13-15 May					
Policy	ESMS Summit CERL, Wash DC												9-Jul			
	ESMS Policy Memo	Faldowski	FC (9/16)	FC (10/4)			2FC (1/29)	2FC (2/12)								
	Criteria															
Issuance	Assessment															
	Asset Management	Faldowski														
	FSRM	Faldowski														
PPBE	SMS DoDM (formerly															
	FY25 Sustainment Unit Costs								1-Mar							
	FY 25 PRV Unit Costs											1-Jun				
	Catalogue															
	POM															



# Working Groups

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- Working Groups and Leads:
  - SMS Assessment Qualifications: Co-Leads are Steve Jones (Navy) and Junior Cho (DLA)
  - Data Quality Metrics: Lead is Michael Clawson (Air Force)
  - SMS DoDM: Lead is Jim Livingston (Army)
  - Cost Books: Lead is Richard Matkins (Army)
  - CI Metrics: Dr. Grussing (CERL)
- Working Group Lead/Co-Leads
  - **Establish meeting invites from working group leads calendar**
  - Provide updated slides 3 business days ahead of CSP
  - ESMS CSP Workspace proposes to capture working drafts and timelines
- ESMS CSP Workspace:
  - Decision forthcoming on SharePoint Online or Intelink
    - Sharepoint Online: [https://dod365.sharepoint-mil.us/sites/OSDAS-EIE-IMR/SitePages/Sustainment-Management-System-Configuration-Support-Panel-\(SMS-CSP\).aspx?csf=1&web=1&e=OyjYpj](https://dod365.sharepoint-mil.us/sites/OSDAS-EIE-IMR/SitePages/Sustainment-Management-System-Configuration-Support-Panel-(SMS-CSP).aspx?csf=1&web=1&e=OyjYpj)
    - Intelink: <https://intelshare.intelink.gov/sites/atlcoi/ESMS-CSP/SitePages/Home.aspx>

Currently 112  
Members and  
growing





# *E-SMS Assessment Qualifications & Training Working Group Update*

*Co-Leads: Brook Brandon-Weems, Jon Crittenden, Steven Jones (Navy)/Junior Cho (DLA)*  
*Energy, Installations and Environment*

- Purpose: Establish framework for assessment/assessor qualifications
- Objective: Define qualifications required by assessors by Domain and have them part of the Joint Inventory and Assessment Guide
- Scope: Define qualifications or authorizations required to perform E-SMS Assessments by Domain. Starting first with BUILDER Domain followed by others.
- Funding Requirements: Recommend Centrally Funded (OSD) (Lead Agency)
- Deliverables: Assessor Qualifications and Authorization (waiver) guidelines and specifications and venue/platform/style-of-delivery for training environment
- Current Status: Seeking consensus on the minimum qualifications for staff to take the Assessor Training and venue/platform/style-of-delivery for training environment
- Decision Point(s): Assessor Qualifications; Training Requirements
- Way Forward:
  - LOE 1. E-SMS **roles and permissions** for role-based training requirements **approved on 30 May 25** by ESMS Working Group. (Lead: Junior Cho, DLA and Eric Mixon ERDC)
  - LOE 2. **Discussions with AFIT and Army KTR (Arel)** to review BUILDER training way-forward held **3 Jun 25**. Anticipate an 'AFIT Develops, DAU Hosts' Training COA. (Lead: Brook Brandon-Weems, Navy). DAU talks on deck. White paper in progress.
  - LOE 3. OSD Career Field Certification. (LOE Lead, open). Relevant notes in white paper draft.
- Next Meeting: 01 July 2025



# ***Data Quality Metrics***

## ***Working Group Update***

***Lead: Michael Clawson (Air Force)***

*Energy, Installations and Environment*

- Purpose: Develop metrics and data standards for BUILDER SMS Data that provide required level of confidence to support decision making
- Objective: Key Performance Indicators (KPI) for BUILDER Data with minimum standards (addressing quality and completeness)
- Scope: Initial scope limited to BUILDER data
- Funding Requirements: TBD
- Deliverables: KPIs, standards, BUILDER reports, & Data Quality Tools
- Current Status: CERL developing reports for proposed Completeness and Quality Metrics for all services and agencies. July WG meeting will review results and establish ranges for each metric. We believe completeness metrics are adequate, but parameters for data quality are lacking.
- Decision Point(s): Need leadership vector on intended SMS data-based decisions to determine quality aspects for “advanced metrics”.
- Way Forward
  - Review Draft Assessment Manual to identify mandatory aspects in criteria that might drive parameters for data quality metrics
- Next Meeting: 17 July (1200-1300 CDT)



# SMS DoDM

## Working Group Update

*Lead: Jim Livingston (Army)*

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- Purpose: Develop Standardized Approach to Inventory and Assessments for ESMS
- Objective: Produce appropriate guiding document for use by MILDEPS and Agencies
- Scope: Start with Buildings domain develop overarching document for ESMS implementation
- Funding Requirements: NA
- Deliverables: Review of existing guides, draft document for OSD approval
- Current Status: Drafting DoDM Volume 1
- Decision Point(s): Establish appropriate format (Policy Memo, **DoDM**, etc.)
- Way Forward
  - Developing White Paper for FAMSESG with background, approach and COAs
- Next Meeting: **TBD**.



# *Catalog (Cost Books)*

## *Working Group Update*

### *Lead: Richard Matkins (Army)*

*Energy, Installations and Environment*

- Purpose: Establish a Joint Catalog (Cost Books) for E-SMS Domains to develop unit cost factors across the ESMS enterprise that reflect government costs for E-SMS work items that generate deferred maintenance cost and FCI.
- Objective: Define a Joint Catalog (Cost Books) Framework for E-SMS Domains
- Scope: Develop a Catalog (Cost Books) Framework for Current and Future E-SMS Domains
- Funding Requirements: Centrally funded as a separate line in the E-SMS O&M Budget
- Deliverables: Contract requirements that deliver Domain Relevant and Accurate Catalog (Cost Books) for Current and Emerging Domains
- Current Status: Meeting will be monthly starting in April 2025, LOE WG established
- Decision Point(s):
  1. LOE 1 Framework - 11 April 2025 – The Catalog Framework Performance Work Statement (PWS), Procurement Action Request (PAR) packet were submitted for contracting action. [Pending Award](#).
  2. LOE 2 Modifiers Framework - Date TBD
  3. LOE 3 Contract Requirements - 11 April 2025
  4. LOE 4 GOU Framework - Date TBD
  5. LOE 5 ASTM E 1557 Uniformat II - Date TBD
  6. LOE 6 CMC Design Life Framework - Date TBD
- Next Meeting: [16 July 2025](#)



# *CI Metrics*

## *Working Group Update*

### *Lead: Dr. Michael Grussing(CERL)*

*Energy, Installations and Environment*

- Purpose: Standardize reporting and use of SMS-generated metrics
- Objective: Establish guidance and associated documentation to standardize facility metrics
- Scope:
  - Initial: focus on codifying ranges for BCI and standardizing the standards and policies across the Services and Agencies.
  - Next: Review criteria for SMS standards and policies
- Funding Requirements: none/TBD
- Deliverables: Formalized documentation on metric calculations including inputs from standards, policies, etc; discrete ranges for the CI scale with descriptive labeling.
- Current Status: Established ranges exist for Red, Amber, & Green BCI, but needs to be formalized and descriptive labels added.
- Decision Point(s):
  - Documentation with BCI ranges along with associated summarized and detailed descriptions sent out after last meeting for review and comments by June 25.
- Way Forward
  - Next meeting to review standards and policies, review configuration across services and agencies
  - Review other metrics being reported, such as those to support data quality
- Next Meeting: Thursday, Jul 3rd



# Proposed BCI Rating Definitions - draft

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Rating	BCI Range	Description
Good	100 – 86	<b>Minimal</b> degradation is present which significantly reduces the likelihood of a disruption in the building's service. Well-maintained systems are less prone to unexpected failures, minimizing downtime for repairs and ensuring consistent operation of essential functions like HVAC, lighting, power, and plumbing. The impact on mission operations is minimal to none. With reliable building services and a comfortable environment, occupants can focus on their primary tasks without being hindered by building-related issues. This supports consistent and efficient mission operations.
Fair	85 – 70	<b>Moderate</b> degradation is present overall for the facility. The likelihood of disruption in building service is moderate. Aging systems and unaddressed minor deficiencies are more prone to occasional malfunctions or reduced performance, potentially leading to temporary inconveniences or minor shutdowns for localized repairs. The impact on mission operations is noticeable. Reduced reliability and occasional system hiccups can hinder productivity and efficiency. Resources may need to be allocated more frequently to address maintenance issues, potentially diverting focus from core operations.
Poor	69 – 56	<b>Significant</b> overall degradation is present in the facility. A building in poor condition significantly increases the likelihood of a disruption in the building's service. Essential systems are unreliable and prone to failure, leading to frequent outages of power, HVAC, plumbing, and other critical functions. This unreliability directly hinders the building's intended use. The impact on mission operations is substantial and detrimental. The building's unreliability and poor condition directly impede mission effectiveness. Frequent system failures and a substandard environment disrupt workflows, require significant resources for reactive maintenance, and can negatively impact morale and safety, potentially hindering or halting operations.
Failing	55 and below	Overall degradation to the facility is <b>Severe</b> , with a high likelihood of disruption in the building's service. Essential functions are either completely non-operational or operate sporadically and unreliably. The building can no longer be depended upon to provide basic shelter or support intended activities. The impact on mission operations is catastrophic. The building is unusable for its intended purpose, and resources are likely being diverted to address immediate safety concerns and explore alternative solutions. The building represents a significant liability and impediment to ongoing operations.



# *PAVER*

## *Working Group Update*

### *Lead: Shaun Moya(Army)*

*Energy, Installations and Environment*

- Purpose: Develop a data roadmap to move this from legacy PAVER to E-SMS Pavements Domain.
- Objective: Capture the required data points and gaps, integrating Tri-Service Pavement community input and recommendations for asset management. Providing contractor support to complete roadmap analysis.
- Scope: The objective of this work is to study the PAVER system data, meet with community stake holders for this dataset, and develop a roadmap and timeline for data integration with E-SMS.
- Funding Requirements: Current: N/A. Future: TBD.
- Deliverables: A path forward and gap identification by means of Roadmap for migration of PAVER data to the E-SMS pavements domain.
- Current Status: Ongoing Working Groups with CTR and Community of Practice Representatives. Most recent meeting discussed Storyboard development/ User Stories. Discussed roles and responsibilities from PAVER to ESMS.
- Decision Point(s): Final Report (Roadmap) - October.
- Way Forward
  - TSC and PAVER CoP will continue to provide support to the contractor as the provide an analysis of PAVER data points and gaps.
- Previous Meeting: 11 JUN 2025 Next Meeting: 2 JUL 2025





# ***RAILER***

## ***Working Group Update***

### ***Lead: Ethan Russell (Army)***

*Energy, Installations and Environment*

- Purpose: Develop a data roadmap to move legacy (RAILER) to the E-SMS Rail Domain.
- Objective: Provide current inspection and maintenance practices with noted gaps and recommendations to improve real property, RAILER, ISR-I (Function), data collection, and unique service requirement for inclusion in E-SMS with development of a recommendation for transition into E-SMS.
- Scope: The objective of this work is to study the RAILER system data, meet with community stake holders for this dataset, and develop a roadmap and timeline for data integration with E-SMS.
- Funding Requirements: Current: N/A. Future: TBD
- Deliverables: Roadmap outlining a way forward, with identified gaps, for migration of RAILER into E-SMS.
- Current Status: Ongoing Working Groups with CTR and Community of Practice Representatives.
- Decision Point(s): Contractor final report findings.
- Way Forward
  - USACE-TSC and community of practice will continue to provide support to the contractor as they provide analysis of data points and gaps.
- Next Meeting: 17 JUL 2025





# *Questions*