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LIFE OF A CSM:

CONCEPT TO RESPONSE COMPLETE

- 1300 Opening summary (Stolte)
- 1310 What is the CSM and why is it so important (Salisbury)
- 1350 BREAK
- 1400 Start with the end in mind using the CSM to categorize risk areas (Stolte)
- 1430 The CSM in the acquisition process (Sticker)
- 1510 BREAK
- 1520 Lessons learned (Blair)
- 1550 Closing summary (Stolte)
- 1600 Complete

















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- Purpose of a CSM for munitions response
- CSM Profiles
- Defining Assessment Areas
- Identify Receptor Activities
- Define Interaction Zones

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PURPOSE OF A CONCEPTUAL SITE MODEL

A CSM is a scientific model that:

- Reflects the current understanding of a site.
- Supports essential planning and communication of critical site information.
- Provides input that supports identification of Data Quality Objectives.
- Provides the basis for the risk assessment.















HOW THE CSM SUPPORTS THE RMM									
	RMM Step	Purpose	Supporting CSM Data						
	Define Assessment Areas	Describe discrete parts of the MRS based on similar levels of risk using data on land use and known or suspected MEC.	MRS munitions distribution characteristics, specifically horizontal extent of known or suspected MEC and HUA and LUA boundaries; NEU areas Land use data, including activities and coverage of those activities within the MRS						
	Identify Receptor Activities	Describe the different land use activities taking place within each assessment area.	Land use data, including activities, coverage of those activities within the MRS, and intrusive depths of land use and the frequency of activities conducted						
	Define Interaction Zones	Look at the depths of potential interaction with known or suspected MEC for each receptor activity.	Land use data, including activities, coverage of those activities within the MRS, and intrusive depths of land use and the frequency of activities Anticipated MEC depth						





































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U.S. ARMY	DEFINE RISK SCENARIOS						
	Review and Consensus on CSM	Define Assessment Areas	Identify Receptor Activities	Define the Interaction Zones	Apply RMM Evaluation		
		1. HUA Developed Area	Activity A	1A			
			Activity B	1B			
		2. HUA Trails	Activity A	2A			
			Activity B	2B			
			Activity C	2C			
			Activity D	2D			
		3. HUA Forest	Activity D	3D			
	MRS	4. LUA Developed Area	Activity A	4A			
			Activity B	4B			
		5. LUA Trails	Activity A	5A			
			Activity B	5B			
			Activity C	5C			
			Activity D	5D			
		6. LUA Forest	Activity D	6D			
		7. LUA Agriculture	Activity E	7E			

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- Much of the CSM is predefined use that to inform data needs for the investigation or remedial design.
- Continue to use and develop the CSM throughout the project.
- Don't loose sight of the big picture.
- Know what data you need and how it will be used.
- Gather enough data for alternatives development and cost estimate.