



Spectrum and E3 Compliance E3/SS Training News

Spectrum Supportability Risk Assessment

An SSRA is an assessment performed by program managers (PMs) and materiel developers (MATDEVs) on all programs that are acquiring or incorporating S-D systems in an acquisition. The purpose is to identify and assess the performance of the newly acquired system or other existing systems within the operational EME.

SS and E3 risks and the steps that need to be taken to mitigate the risks are to be identified in the SSRA and provided to the military department (MILDEP) spectrum management office (SMO) who will review the SSRA and forward their recommendations to the Service Chief Information Officer (CIO) for approval. A statement on the SS of an acquisition is then be forwarded to the milestone decision authority (MDA). PM/MATDEVs should consult, as early as possible, with their respective MILDEP SMO regarding the application and tailoring of the SSRA, and to ensure that all user requirements are met.

<https://acc.dau.mil/LEARN> is the URL to the Joint Spectrum Center's Electromagnetic Environmental Effects (E3) and Spectrum Supportability (SS) Training classes. These classes include:

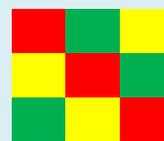
- **Electromagnetic Environmental Effects (E3) and Spectrum Supportability (SS) Awareness for the Acquisition Professional**
- **MIL-STD-461**
- **MIL-STD-464**
- **MIL-HDBK-237**
- **Electromagnetic Radiation Hazards Awareness**
- **EMC by Design**
- **Overview of Electromagnetic Pulse (EMP)**
- **Overview of Grounding, Bonding and Shielding**
- **Spectrum and E3 Implications in Commercial Item Acquisition**
- **SSRA (NEW)**

New Class: SSRA Training Course

SSRAs are required by DoDI 4650.01 to determine and document if adequate spectrum is available to support system operation in DoD, Allied, and Coalition operations. This course provides details on SSRA requirements and step by step instructions on how to develop the necessary content for an SSRA. Course content includes SSRA policy requirements followed by detailed guidance on the content requirements for each of the four SSRA Components: Regulatory, Technical, Operational, and E3 Assessment along with some basics on standard DoD Risk Assessment practices. The final segment provides details on the content of each component from sample SSRAs provided by the Services. This course is intended for DoD program office, acquisition, and systems engineering personnel at all



Interrelationship between E3 and SS (overlap) occurs primarily with SSRAs requiring EMC, EMI, and EMV assessments to identify potential EMI with S-D systems.



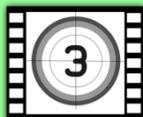
To learn more about SSRA, go to:

<https://acc.dau.mil/CommunityBrowser.aspx?id=357360>

levels.

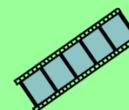
Updated Course: Overview of EMP This ½-day course provides an introduction to the Electromagnetic Pulse (EMP) phenomenon, why it's an important E3 consideration in system acquisition and how to protect system against EMP. The course is divided into four parts:

1. **What is EMP?** Provides an introduction to the EMP phenomenon, defines relevant terms, and summarize the threat and importance of protecting systems against EMP
2. **Physics of EMP:** Takes a look at RF energy basics, how an atomic bomb works, how the EM effects proliferate, and provides an introduction to RF Weapons
3. **How to protect against EMP:** This section examines how good EMC practices like grounding, bonding, and shielding also provide protection against EMP. We also look at EMP test methodologies.
4. **How does DoD acquire EMP survivable systems?** The last section provides an overview of the actions that must be taken during system acquisition by program and systems engineering personnel to successfully field EMP hardened systems.



Visit the Spectrum and E3 Compliance **video library**

<https://acc.dau.mil/CommunityBrowser.aspx?id=706769>



To schedule a session at your location, contact: disa.annapolis.dso.list.jsc-j5-training@mail.mil