



# **Army Techniques Publication ATP 6-02.70**

## **Techniques for Spectrum Management Operations**

### **December 2015**

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This publication, Army Techniques Publication ATP 6-02.70 Techniques for Spectrum Management Operations December 2015, is the Army's doctrine for spectrum management operations in support of unified land operations. This publication replaces FM 6-02.70, Army Electromagnetic Spectrum Operations and introduces the subject in the form of an Army techniques publication. Aligned with FM 6-02, Signal Support to Operations and FM 3-38, Cyber Electromagnetic Activities, this publication provides the Army's current doctrine with regard to spectrum management operations. ATP 6-02.70 contains updated doctrinal information and makes numerous changes to the information found in FM 6-02.70. The most significant change is the introduction and use of the acronym SMO (spectrum management operations), introduced in FM 6-02, Signal Support to Operations. This change provides less confusion to Soldiers and legitimizes the acronym already in use within the spectrum community. The content in ATP 6-02.70 aligns with FM 6-02.70 however, changes to current Army doctrine and the Army's emphasis on cyber electromagnetic activities prompted new terminology. This publication contains five chapters and five appendixes— Chapter 1 provides an overview of spectrum management operations, states the objectives, and describes spectrum management operations core functions. Chapter 2 discusses spectrum management operations support and input to the military decisionmaking process and briefly describes the common operational picture. Spectrum managers provide support at every step of the military decisionmaking process. Chapter 3 links Army spectrum management operations to the warfighting functions, describes how spectrum management operations support, and enables commander's efforts as they exercise mission command. Chapter 4 describes spectrum information and products necessary at the corps and joint task force levels. Spectrum managers are located within three organizations in a joint task force: the joint frequency management office, the joint spectrum management element, and the cyber electromagnetic activities (CEMA) element. These agencies have a wide variety of inputs, collaboration, and products. This chapter shows input and products from different joint agencies displayed in table format. Chapter 5 is an overview of the many useful tools spectrum managers use in support of unified land operations. These tools operate within a network-centric environment using shared databases within the spectrum community. Finally, the ATP contains five appendixes containing standard tasks and steps that describe spectrum management operations related tasks. Appendix A describes the electromagnetic spectrum manager task list and each supporting sub-tasks. This appendix also contains flow charts that show the collaboration process between electromagnetic spectrum managers and the CEMA element. Appendix B provides spectrum management operations tool capabilities and compatibility between software systems. These net-centric systems are in many cases linked and accessible through Nonsecure Internet Protocol Router Network (NIPRNET) and SECRET Internet Protocol Router Network (SIPRNET). Appendix C provides basic electromagnetic physics and underlying principles of the electromagnetic spectrum. Appendix D introduces the 12-step spectrum management lifecycle. This process serves as a guide to follow in establishing a functional and efficient spectrum management program. The lifecycle encompasses the complete process of providing spectrum management operations support to the commander and is applicable to all spectrum managers regardless of duty location. Appendix E provides the reader with an overview of the military time zone designators. This appendix describes time zones for civilian and military uses. The chart, included in this appendix, provides a valuable tool to reference time zones in all parts of the world.

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