1. Record Nr. UNINA9910786601803321 Autore Poisel Richard Titolo Information warfare and electronic warfare systems / / Richard A. Poisel ; Vicki Kane, cover design Pubbl/distr/stampa Boston, Massachusetts:,: Artech House,, 2013 [Piscatagay, New Jersey]:,: IEEE Xplore,, [2013] **ISBN** 1-60807-706-3 Descrizione fisica 1 online resource (433 p.) Artech House electronic warfare library Collana Disciplina 623.043 Electronics in military engineering Soggetti Information warfare Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Nota di contenuto Information Warfare and Electronic Warfare Systems; Contents; Preface; Chapter 1 Introduction to Information Warfare and Electronic Warfare Systems; 1.1 Introduction; 1.2 Global Information Grid; 1.3 Networks; 1.3.1 Operational and Strategic; 1.3.2 Tactical; 1.4 Information and Information Theory; 1.4.1 Network-Centric Operations Background and Characteristics: 1.5 Electronic Warfare and NCO: 1.5.1 EW and Networking; 1.6 EW Systems; 1.6.1 ES Systems; 1.6.2 EA Systems; 1.7 Concluding Remarks; References; Chapter 2 Information and Information Operations; 2.1 Introduction; 2.2 Information. 2.2.1 The Importance of Information to Warfare 2.2.2 Information Sources; 2.2.3 Information Attributes; 2.2.4 EW and Its Effects on Information; 2.3 OODA Loop and Cognitive Hierarchy; 2.3.1 The OODA Loop Model; 2.3.2 Cognitive Hierarchy Model; 2.4 Information Operations; 2.4.1 Information Warfare/Information Operations; 2.4.2 Three Domains o. Information warfare is emerging as the new war fighting paradigm of Sommario/riassunto the U.S. and many of its allies. This book is the first in the field to address communication electronic warfare (EW) systems in the context of information warfare. Authored by a recognized leading authority, the book includes a unique formulation of EW system performance and

presents results of system simulations that have not appeared

previously in any related literature. Essential reading for EW engineers and researchers working in defense, aerospace, and military capacities, the book explores the properties of information,