Record Nr. Titolo	UNINA9910806268703321 Growing vulnerability of the public switched networks : implications for national security emergency preparedness
Pubbl/distr/stampa	Washington, District of Columbia : , : National Academy Press, , 1989 ©1989
Descrizione fisica	1 online resource (131 p.)
Disciplina	621.382
Soggetti	Telecommunication systems Emergency communication systems - United States National security - United States Telecommunication - United States - Switching systems
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.
Nota di contenuto	Growing Vulnerability of the Public Switched Networks: Implications for National Security Emergency Preparedness; Copyright; Preface; Contents; Executive Summary; THE EMERGING PROBLEM; RECOMMENDATIONS; Recommendation No. 1: Assure Sufficient National Level National Security Emergency Preparedness Reso; Recommendation No. 2: Use More Technology Diversity; Recommendation No. 3: The Nationwide Emergency Telecommunications Service Is Needed; Recommendation No. 4: Provide Priority Service; Recommendation No. 5: Provide Additional Redundancy Recommendation No. 6: Increase Radio Access Capabilities Recommendation No. 7: Establish Emergency Plans; Recommendation No. 8: Establish Software Security Measures; Recommendation No. 9: Exploit Value-Added Networks; Recommendation No. 10: Promote Internet work Gateways; Recommendation No. 11: Retain Existing Synchronization; 1 Introduction ; CURRENT PROGRAMS; THE COMMITTEE'S APPROACH; SOME CONCLUSIONS; STRUCTURE OF THE REPORT; REFERENCES; 2 National Security Emergency Preparedness Initiatives to Date ; BACKGROUND; COMMERCIAL SATELLITE

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INTERCONNECTIVITY; COMMERCIAL NETWORK SURVIVABILITY NATIONWIDE EMERGENCY TELECOMMUNICATIONS SERVICE REFERENCES; 3 Public Switched Networks in the Year 2000 ; REGULATION: TECHNOLOGY: Transmission Modes; Switching; Network Technologies; Signaling; Network Control; Network Standards; COMPETITION; CUSTOMER DEMAND; SUMMARY; REFERENCES; 4 Regulation : JURISDICTION: Background: National Security Emergency Preparedness Implications: OPEN NETWORK ARCHITECTURE: Background; National Security Emergency Preparedness Implications; BROADBAND SERVICES; Background; National Security Emergency Preparedness Implications; PRICING; Background National Security Emergency Preparedness Implications BYPASS; Background; National Security Emergency Preparedness Implications; LOCAL EXCHANGE CARRIER REGULATION; Background; National Security Emergency Preparedness Implications; ADDITIONAL NATIONWIDE EMERGENCY TELECOMMUNICATIONS SERVICE AND NATIONAL SECURITY EMERGENCY PREPAREDNESS CONSIDERATIONS: Recommendation: Assure Sufficient National Level National Security Emergency Preparedness Resources; Recommendation: Provide Priority Service; Recommendation: Establish Emergency Plans; REFERENCES; 5 Technology ; TRANSMISSION: Optical Fiber Background National Security Emergency Preparedness Implications: Satellite Radio; Background; National Security Emergency Preparedness Implications: Terrestrial Radio: Background: National Security Emergency Preparedness Implications; SWITCHING; Background; National Security Emergency Preparedness Implications; INTEGRATED CIRCUIT TECHNOLOGY: Background: National Security Emergency Preparedness Implications; NETWORK MANAGEMENT; Background; Software Control; Signaling; Standards; National Security Emergency Preparedness Implications: NETWORK SYNCHRONIZATION: Background National Security Emergency Preparedness Implications