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Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Chapter 1. Services Offered by Home Area Networks; 1.1. Why home networking?; 1.2. Service convergence; 1.2.1. Triple play; 1.2.2. Quadruple play; 1.2.3. Services linked to the person; 1.2.4. Home services, energy saving, intelligent housing; 1.3. IP or non-IP home area networks; 1.3.1. Comparison with automobiles: the requirement of standards for home networks; 1.4. Bibliography; 1.5. Appendix: the uses of very high bit rates; 1.5.1. Progressive deployment; 1.5.2. Client ubiquity; Chapter 2. Receiving Television via Internet: IPTV 2.1. Introduction2.2. Digital TV formats (DVB and MPEG standards); 2.2.1. MPEG; 2.2.2. DVB; 2.3. Digital TV transmission through IP; 2.3.1. History and market; 2.3.2. The evolution of consumer trends; 2.4. IPTV: elements of the network; 2.4.1. General points; 2.4.2. Data transmission in an IPTV network; 2.4.3. Quality of service; 2.4.4. IP channel-switching; 2.4.5. IPTV in a local loop; 2.5. Set-top box (STB) hardware and software design; 2.5.1. IPTV middleware; 2.5.2. Content

protection; 2.5.3. Interactivity; 2.6. Bibliography; 2.7. Appendix: notes on digital television; 2.7.1. Video
2.7.2. Screens, size and resolution 2.7.3. Production; Chapter 3. Household Internet Connections; 3.1. Network cables; 3.1.1. Introduction; 3.1.2. Communication media; 3.1.3. The DOCSIS/EURODOCSIS standard; 3.1.4. Modems and DOCSIS/EURODOCSIS CMTS; 3.1.5. RF DOCSIS/EURODOCSIS signals; 3.1.6. Sizing optical nodes for DOCSIS services; 3.1.7. Digital Television; 3.1.8. Analog television; 3.1.9. The last mile: from local loop VHF to fiber; 3.1.10. Transport and distribution of signals from headend to local loops; 3.2. Internet access by means of outdoor PLC 3.2.1. Structure of an electrical supply network 3.2.2. Use of the electric pair by PLC; 3.2.3. Frequencies used by PLC; 3.2.4. PLC standards; 3.2.5. Administration of an outdoor PLC; 3.3. Fiber optics to the home (FTTH); 3.3.1. Introduction; 3.3.2. Fiber optic technologies; 3.3.3. Fiber optic cables; 3.3.4. Lasers, LEDs and optical receivers; 3.3.5. Fiber optic subscriber connections: FTTx; 3.3.6. Fiber to the Home (FTTH); 3.4. xDSL networks; 3.4.1. Introduction; 3.4.2. General points; 3.4.3. ADSL technology; 3.4.4. Data organization: ADSL frame and superframe; 3.4.5. Elements of ADSL access 3.4.6. Protocol architecture for ADSL 3.4.7. Gigabit Ethernet transmission; 3.4.8. Unbundling; 3.4.9. Services over an ADSL network; 3.5. High bit rate radio: satellite, WiMAX and LTE; 3.5.1. Introduction; 3.5.2. Worldwide Inter-operability for Microwave Access (WiMAX); 3.5.3. LTE (-SAE); 3.5.4. Internet by satellite; 3.6. Bibliography; Chapter 4. Home Area Network Technologies; 4.1. Copper pair cables; 4.2. The home network in coaxial cable; 4.2.1. Communication mediums; 4.2.2. Transported signals: DOCSIS/EURODOCSIS; 4.2.3. Terminal section; 4.2.4. FTTLA beyond 2012
4.3. Home networks using indoor power line communications

Sommario/riassunto

The field of Home Area Networks (HAN), a dedicated residential subset of LAN technologies for home-based use, is fast becoming the next frontier for the communications industry. This book describes the various technologies involved in the implementation of a HAN: high-speed Internet connections, indoor implementations, services, software, and management packages. It also reviews multimedia applications (which are increasingly the most important and complex aspects of most HANs) with a detailed description of IPTV technology. It highlights the main technologies used for HANs: information tra

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Titolo	A question of security : the British defence review in an age of austerity // edited by Michael Codner and Michael Clarke ; foreword by Lord Hutton of Furness
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Nota di contenuto	Cover; Contents; List of Tables and Figures; Acronyms and Abbreviations; Foreword; Introduction -- Michael Codner; The United Kingdom's Strategic Moment -- Michael Clarke; Multilateral Approaches to British Security -- Andrew Rathmell; The Lean Years: Defence Consequences of the Fiscal Crisis -- Malcolm Chalmers; Strategic Considerations for the Anglo-American Alliance -- Lisa Aronsson; Entente or Oblivion: Franco-British Defence Co-operation -- Etienne de Durand; The SDSR and China -- Alexander Neill; British Strategy After Afghanistan -- Geoffrey Till A Force for Honour? UK Military Strategic Options -- Michael Codner Jointery and the Defence Review -- Trevor Taylor; The Special Relationship and the British Army -- Antulio J Echevarria II; Redefining the Military's Role in Domestic Security -- Mark Phillips; The Case for the Raf -- Eric Grove; Armed Inducement in Conflict Prevention -- Michael Codner; Defence Information Superiority: Still Underplayed -- Bill Robins; Failing Intelligence: reform of the Machinery -- Mark Phillips; The Armed Forces and the British People -- Hew Strachan; Procurement Reform -- David Gould Defence Industrial Strategy Under the Coalition -- Keith HaywardConclusion -- Michael Codner; Notes and References; About the Authors
Sommario/riassunto	In an age of austerity and uncertainty, can Britain's security be assured

- and its place in the world maintained? The British government's Strategic Defence and Security Review, released in October 2010, was long overdue. The former strategy did not account for the challenges faced by the armed forces in a post-9/11 world, and the financial crisis had rendered the defence programme unsustainable. Written by the foremost independent security and defence experts, including Hew Strachan and Malcolm Chambers, this vital new book analyses every important facet of the review: the impact of the spen
