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| Titolo                  | IEEE standard for information technology . Part 15.3, Amendment 2<br>Millimeter-wave-based alternative physical layer extension : local and<br>metropolitan area networks : specific requirements                                                                                                                                                                                                                                                                                                                                                                                             |
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| Disciplina              | 004.68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Soggetti                | Local area networks (Computer networks) - Standards<br>Metropolitan area networks (Computer networks) - Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sommario/riassunto      | This amendment defines an alternative physical layer (PHY) for IEEE Std 802.15.3-2003. Three PHY modes have been defined that enable data rates in excess of 5 Gb/s using the 60 GHz band. A beam-forming protocol has been defined to improve the range of communicating devices. Aggregation and block acknowledgment have been defined to improve the medium access control (MAC) efficiency at the high data rates provided for by the PHY. Keywords: 60 GHz, aggregation, beam forming, block acknowledgment, millimeter wave, uncompressed video, wireless personal area network, WPAN. |