1. Record Nr. UNINA9910141819803321 IEEE Standard for Long Wavelength Wireless Network Protocol / / Titolo Institute of Electrical and Electronics Engineers Pubbl/distr/stampa New York:,: IEEE,, 2009 **ISBN** 0-7381-5897-6 Descrizione fisica 1 online resource (vii, 25 pages) Disciplina 515.2433 Soggetti Wavelengths Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia This standard defines the air interface for radiating transceiver radio Sommario/riassunto tags using long wavelength signals (kilometric and hectometric frequencies, <450 kHz). Conforming devices can have very low power consumption (a few microwatts on average), while operating over medium ranges (0.5 to 30 meters) and at low data transfer speeds (300-9600 bps). They are well suited for visibility networks, sensors, effectors and battery operated displays. This standard fills a gap between non-network-based RFID standards (e.g., ISO/IEC CD 15961-3, ISO 18000-6C or ISO 18000-7) and existing high bandwidth network standards such as IEEE Std 802.11 and IEEE 802.15.4. Keywords:

battery powered, carrier powered, displays, effectors, long wavelength,

low frequency, RFID, sensors, transceiver, visibility networks.