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Abstract: Wireless communications offer organizations and users a lot of benefits, portability and flexibility, increased productivity and lower installation costs. Wireless technologies cover a wide range of capabilities, targeted to users and their needs. Lack of wiring allows great flexibility, increased efficiency and reduced cabling costs, but there are inherent risks. Some are similar to those of wired networks, some are exacerbated by wireless connectivity, and some are new. Loss of privacy and integrity, threat and denial of service type attacks are risks normally associated to wireless communications. Unauthorized users can gain access to the information and the systems of an institution, can corrupt data, make full use of network bandwidth, degrade network performance, launch attacks that prevent authorized users from accessing the network, or use their resources to launch attacks on other networks.

Keywords: Confidentiality, integrity, availability, authentication, access points, standards