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IEEE (Institute of	Number 802.1	Topic  Overview and architecture of LANs
Electrical 10. 10. and	802.2 ↓	Logical link control
U A 10 1.0.0 0.0.0	802.3 *	Ethernet
Electronics Engineers),	802.4 ↓	Token bus (was briefly used in manufacturing plants)
the largest professional	802.5	Token ring (IBM's entry into the LAN world)
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	802.6 ↓	Dual queue dual bus (early metropolitan area network)
organization in the	802.7 ↓	Technical advisory group on broadband technologies
world, has a	802.8 †	Technical advisory group on fiber optic technologies
00000	802.9 ↓	Isochronous LANs (for real-time applications)
standardization group	802.10↓	Virtual LANs and security
that develops standards	802.11 *	Wireless LANs (WiFi)
	802.12↓	Demand priority (Hewlett-Packard's AnyLAN)
in the area of electrical	802.13	Unlucky number; nobody wanted it
engineering and	802.14↓	Cable modems (defunct: an industry consortium got there first
	802.15 *	Personal area networks (Bluetooth, Zigbee)
computing. IEEE's 802	802.16 *	Broadband wireless (WIMAX)
committee has	802.17	Resilient packet ring
	802.18	Technical advisory group on radio regulatory issues
standardized many kinds	802.19	Technical advisory group on coexistence of all these standar
of LANs.	802.20	Mobile broadband wireless (similar to 802.16e)
OI LAPIS.	802.21	Media independent handoff (for roaming over technologies)
1,0011,1,1,0,00	802.22	Wireless regional area network

## **Measurements**

- It is also worth pointing out that for measuring memory, disk, file, and database sizes, in common industry practice, the units have slightly different meanings.
- There, kilo means 2^10 (1024) rather than 10^3 (1000) because memories are always a power of two. Thus, a<sub>0</sub>1-KB memory contains 1024 bytes, not 1000 bytes.
- Note also the capital "B" in that usage to mean "bytes" (units of eight bits), instead of a lowercase "b" that means "bits." Similarly, a 1-MB memory contains 220 (1,048,576) bytes, a 1-GB memory contains 230 (1,073,741,824) bytes, and a 1-TB database contains 240 (1,099,511,627,776) bytes.
  - However, a 1-kbps communication line transmits 1000 bits per second and a 10-Mbps LAN runs at 10,000,000 bits/sec because these speeds are not powers of two.

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