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	OSI layer	ATM layer	ATM sublayer	Functionality	
	3/4	AAL	CS SAR	Providing the standard interface (convergence) Segmentation and reassembly	
	2/3	АТМ		Flow control Cell header generation/extraction Virtual circuit/path management Cell multiplexing/demultiplexing	
	2	Physical	тс	Cell rate decoupling Header checksum generation and verification Cell generation Packing/unpacking cells from the enclosing envelo Frame generation	pe
	1		PMD	Bit timing Physical network access	
Th	e AT	M lay	ers an	d sublayers and their function	ons
1 Septemb	er 2005			EEC484/584	Wenbing Zhao















IEEE	802 Standards	70
Number	Торіс	
802.1	Overview and architecture of LANs	
802.2 ↓	Logical link control	
802.3 *	Ethernet	
802.4 ↓	Token bus (was briefly used in manufacturing plants)	
802.5	Token ring (IBM's entry into the LAN world)	
802.6 ↓	Dual queue dual bus (early metropolitan area network)	
802.7 ↓	Technical advisory group on broadband technologies	
802.8 †	Technical advisory group on fiber optic technologies	
802.9 ↓	Isochronous LANs (for real-time applications)	
802.10↓	Virtual LANs and security	
802.11 *	Wireless LANs	
802.12↓	Demand priority (Hewlett-Packard's AnyLAN)	
802.13	Unlucky number. Nobody wanted it	
802.14↓	Cable modems (defunct: an industry consortium got there first)	
802.15 *	Personal area networks (Bluetooth)	
802.16 *	Broadband wireless	
802.17	Resilient packet ring	
per 2005	EEC484/584 W	enbing Zhao

Exp.	Explicit	Prefix	Exp.	Explicit	Prefix
10 ⁻³	0.001	milli	10 ³	1,000	Kilo
10 ⁻⁶	0.000001	micro	10 ⁶	1,000,000	Mega
10 ⁻⁹	0.00000001	nano	10 ⁹	1,000,000,000	Giga
10 ⁻¹²	0.00000000001	pico	10 ¹²	1,000,000,000,000	Tera
10 ⁻¹⁵	0.0000000000000000000000000000000000000	femto	10 ¹⁵	1,000,000,000,000,000	Peta
10 ⁻¹⁸	0.0000000000000000000000000000000000000	atto	10 ¹⁸	1,000,000,000,000,000,000	Exa
10 ⁻²¹	0.0000000000000000000000000000000000000	zepto	10 ²¹	1,000,000,000,000,000,000,000	Zetta
10 ⁻²⁴	0.0000000000000000000000000000000000000	yocto	10 ²⁴	1,000,000,000,000,000,000,000,000	Yotta
1 September 2005		EEC484/584		Wenbing Zha	