





















Application	APDU, Message	Application
Presentation	PPDU	 Presentation
Session		Session
Transport	NDDU Doolkot	► Transport
Network	NPDU, Packet	► Network
Datalink –	DPDU DhDDU Eromo	► Datalink
Physical	FIIFDO, Flaine	 Physical



	TCP/IP Reference Model												
	 TCP = Transport Control Protocol IP = Internet Protocol (Routing) 												
	Application		FTP Tel		T-1		UTTD		Application				
					Tein	et	нпр		Presentation				
	Transport		тср					Session					
			ICP					UDP	Transport				
	Internetwork		IP						Network				
	Host to		Ether	er Packe		cket Po	oint-to-		Datalink				
	Network		net	Ra	adio	Point			Physical				
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- \Box ODN = Open Data Networks
- □ Bearer Service: Bit level transport service
 - □ Includes links, switches, routers, network management
- □ Transport Layer: Enhanced end-to-end services
 - □ May include reliable, sequenced delivery, flow control
 - □ Can be realize either in the network or in the end nodes
 - □ Not a core part of the bearer service
- D Middleware: Common higher level functions
 - □ file system support, privacy, authentication, name service, directory service
- □ Applications: Email, Airline reservation

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1B-17

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