









TCP Header □ Source Port (16 bits): Identifies source user process Destination Port (16 bits) □ Sequence Number (32 bits): Sequence number of the first byte in the segment. If syn is present, this is the initial sequence number (ISN) and the first data byte is ISN+1. □ Ack number (32 bits): Next byte expected Data offset (4 bits): Number of 32-bit words in the header □ Reserved (6 bits) □ Flags (6 bits): Urgent pointer field significant, ack field significant, push function, reset the connection, synchronize the sequence numbers, no more data from sender Raj Jain The Ohio State University



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TCP vs ISO TP4		
Function	TCP	TP4
Data transfer	Streams	Blocks
Flow control	Octets	Segments
Error detection	Checksum	Checksum
Error correction	Retransmission	Retransmission
Addressing	16-bit ports	Variable TSAPA
Interrupt service	Urgent Data	Expedited data
Security	Not available	Variable in TP
Precedence	Not available	16 bits in TP
Connection	Graceful	Nongraceful
termination		
The Ohio State UniversityRef: Piscitello and Chapin, p 310Raj Jain		

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