





















P version IP version number. Current version is 4		
IHL	Internet header length. Expressed as number of 32 –bit words	
Type of Service/ DSCP	TOS contains 3MSBits: packet priority + service type. DSCP – is proposed use for Differentiated Services	
Total length of the packet	Expressed as nrof octets in the payload and in the header	
Identifikation, Flags and Offset	Are used when large packets are fragmented when underlaying network has maximum packet length.	
TTL Time-to-live. The value is decremented with an integrepresenting the quality of the network on each route path of the packet. Packet is deleted when TTL reach		

Protocol	Protocol, that the receiving host should use to process the datapacket, e.g. TCP		
Checksum	Header checksum. Calculated as 16 bit one's complement sum		
Source Address	Source IP address of the sender of the packet.		
Destination Address	IP address of the destination host		
Options	Used for special types of information or "tricks". One packet can carry many option fields		





Internet address structure							
network number		subnet		host			
Mask	Address	Net	Subnet	Host			
0xFFFF0000	10.27.32.100	A: 10	27	32.100			
0xFFFFFE00	136.27.33.100	B: 136.27	16 (32)	1.100			
	136.27.34.141	136.27	17(34)	0.141			
0xFFFFFFC0	193.27.32.197	C: 193.27.32	3(192)	5			
High order b 0 0 - 127 10 128 1 110192 2	/ > A-class 91> B-class 23> C-class	without right zer	roes (and with	h right zeroes)			
S28 121/DKa c 01				3 1			

























