

Travaux Dirigés (TD)

6LoWPAN: Compression Examples RFC 6282

Georgios Z. **PAPADOPOULOS**

e-mail: georgios.papadopoulos@imt-atlantique.fr

web: www.georgiospapadopoulos.com

twitter: @gzpapadopoulos

youtube: www.youtube.com/c/gzpapadopoulos

	Derived from link hdr	Non-comp	pressed fields	
	Compressed fields			
Link Hdr	Len = 50 FCF	DSN	DSTPAN	
	DST = 00-17-3B-AA-BB-CC			
	SRC = 00-17-3B-11-22-33			
IPv6 Hdr	IPv6 Hdr Ver = 6 Traffic Class = 0 Flow Label = 0			
	Payload Length	N. Header =	UDP Hop Limit = 1	
	Source Prefix = fe80::/64			
	Source IID = 0217:3BFF:FEAA:BBCC Dest Prefix = fe80::/64			
	Dest IID = 0217:3BFF:FE11:2233			
UDP Hdr	Source Port, where P = 11	Destination	Port, where P = 11	
· · · · · · · · · · · · · · · · · ·	Length	Checksum		

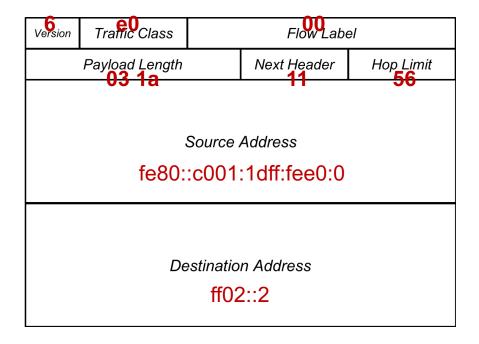


	Derived from link hdr	Non-compressed fields	
	Compressed fields	Derived from context	
Link Hdr	Len = 50 FCF	DSN DSTPAN	
	DST = 00-17-3B-00-AA-BB-CC-DD		
	SRC = 00-17-3B-00-11-22-33-44		
IPv6 Hdr Ver = 6 Traffic Class = 0 Flow Label = 0		Label = 0	
	Payload Length	N. Header = UDP Hop Limit = 23	
	Source Prefix = 2001:5a8:4:3721::/112		
	Source IID = 0000:00ff:fe00:1234 Dest Prefix = 2001:5a8:4:3721::/112 Dest IID = 0000:00ff:fe00:ABCD		
UDP Hdr	Source Port, where P = 11	Destination Port, where P = 11	
	Length	Checksum	



	Derived from link hdr	Non-comp	pressed fields
	Compressed fields		
Link Hdr	Len = 50 FCF	DSN	DSTPAN
	DST = 00-17-3B-AA-BB-CC		
	SRC = 00-17-3B-11-22-33		
IPv6 Hdr	Ver = 6 Traffic Class = 0	Flow Label = 0	
	Payload Length	N. Header =	UDP Hop Limit = 255
	Source Prefix = fe80::/64		
	Source IID = 0217:3BFF:FEAA:BBCC Dest Prefix = ff02::12		
UDP Hdr	Source Port, where P = 11	Destination	Port, where P = 11
			1 010, 1110101
	Length	Checksum	







	Derived from link hdr	Non-compressed fields	
	Compressed fields	Derived from context	
Link Hdr	Len = 50 FCF	DSN DSTPAN	
	DST = 00-17-3B-00-AA-BB-CC-DD		
	SRC = 00-17-3B-00-11-22-33-44		
IPv6 Hdr	Ver = 6 Traffic Class = 0 Flow Label = 0		
	Payload Length	N. Header = UDP Hop Limit = 64	
	Source Prefix = 2001:5a8:4:3721::/64 Source IID = 0000:8a2e:0370:7334		
	Dest Prefix = 2001:5a8:4:3721::/112		
	Dest IID = 0000:00ff:fe00:ABCD		
UDP Hdr	Source Port	Destination Port	
	Length	Checksum	





Travaux Dirigés (TD)

6LoWPAN: Compression Examples RFC 6282

Georgios Z. **PAPADOPOULOS**

e-mail: georgios.papadopoulos@imt-atlantique.fr

web: www.georgiospapadopoulos.com

twitter: @gzpapadopoulos

youtube: www.youtube.com/c/gzpapadopoulos