0	4	8	16	24	31			
Ver.	Type	Time-to-live	Total length					
Port number			Port number					
Minimal PID change period			# PIDs	O	RES			
Offset (32 bits, optional)								
Length (32 bits, optional)								
Length of content characteristics			MTU					
Length of public key			Chuck sum					
NID part of an SID								
(128 bits)								
L part of an SID								
(160 bits)								
NID								
(128 bits)								
Content characteristics								
(optional, length determined by the CC length field)								
Public key								
(determined by the length of public key field)								
PID ₁								
PID2								
•••								
PIDn								

C = 1, if the data packet is cachable;
C = 0, if the data packet is not cachable.
N = 1, if the content name is the hash of the content;
N = 0, if the content name is not the hash of the content.
NEXT header field indicates the type of the next header.
If NEXT HEADER = 1, the next header is a GET packet, requesting a new SID;
If next header = 2, the next header carries the R1 message in HIP;
If next header = 3, the next header carries the I2 message in HIP;
If next header = 4, the next header carries the R2 message in HIP;
If next header = 5, the next header carries the PIDs, signed by the content

source using the public key of the client.

0	4	8	16	24 25 26	31				
Ver.	Type	Time-to-live	Total length						
Port number			Port number						
Mini	Minimal PID change period			O C N	RES				
Offset (32 bits, optional)									
Length (32 bits, optional)									
Next header			Check Sum						
Reserved (32 bits) ?????									
NID part of an SID									
(128 bits)									
L part of an SID									
(160 bits)									
NID									
(128 bits)									
PIDn									
	•••								
	PID2								
PID ₁									
Data									

(a) The format of GET packets

(b) The format of DATA packets