Tidbit Header Format (Draft) The Directory Exchange Protocol (DXP) https://github.com/naiithink/dxp

Rev: 1 (2024-02-09)

Field width (bits)		D.f	37	
Field	Subfield	Ref.	Name	Semantic
24	8	A	Sender's DXP version	major
	8	В		minor
	8	С		patch
	1	D	Tidbit type flag	req/res
8	1	E	Fragment flag	no/yes
	1	F	Ctrl. flag	presence
	1	G	Crtl. rept. flag	presence
	1	Н	Cookie flag	presence
	1	I	Checksum flag	presence
	1	J	Reserved	future
	1	K		future
32		L	UNIX timestamp	
32		M	Reserved	future
8	4	N	DXP method	
	4	0	Node type	
8		Р	Ctrl. inst.	
16		Q	Status	
>= 0		R	Data	

0	8	16	24
O AAAAAAA	BBBBBBBB	CCCCCCC	DEFGHIJK
1 LLLLLLLL	LLLLLLLL	LLLLLLL	LLLLLLL
2 MMMMMMMM	MMMMMMMM	MMMMMMMM	MMMMMMM
3 NNNNOOOO	PPPPPPPP	QQQQQQQQ	QQQQQQQQ
4 RRRRRRRR			

Header Size					
Min	32 * 5 = 160 bits = 20 bytes				
Avg	160 (Min) + 16 (cookie) + 16 (padding) = 192 bits = 24 bytes				