Payload

Data Block

Packet Format
Data Block (DB)

9 Byte + Size of data packet

1 Byte	1 Byte	1 Byte	1 Byte
0 1 2 3 4 5 6 7	8 9 10 11 12 13 14 15	16 17 18 19 20 21 22 23	24 25 26 27 28 29 30 31
DT	Config.	DOID	
DOID	SN		Length
Length	Data Packet …		
Data Packet …			

Header Format
Data Block (DB)

9 Byte

1 Byte	1 Byte	1 Byte	1 Byte
0 1 2 3 4 5 6 7	8 9 10 11 12 13 14 15	16 17 18 19 20 21 22 23	24 25 26 27 28 29 30 31
DT	Config.	DOID	
DOID	SN		Length
Length			

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Suggestions

DOID	Data Object ID	=	; DOID=FF FF FF: iff multiple DOs are packetized within the same chunk
DT	Data Type	=	; DT=3FF: iff multiple DOs of different DT are packetized within the same chunk
SN	Sequence Number	=	; SN=FF FF: iff multiple DBs of DOID are packetized within the same chunk
Config.	Configuration	=	;

Content Package

Packet Format
Content

2 Byte + Size of value

1 Byte	1 Byte	1 Byte	1 Byte
0 1 2 3 4 5 6 7	8 9 10 11 12 13 14 15	16 17 18 19 20 21 22 23	24 25 26 27 28 29 30 31
Timestamp			
Value…			
…			

Suggestions

Config	header compression	=	DIOD		SN	Length	Header size
0 0 0	long	=	3		2	2	9
0 0 1	middle A	=	3		1	2	8
0 1 0	middle B	=	2		2	2	8
0 1 1	middle C	=	2	2	2	1	9
1 0 0		=	2		1	2	7
1 0 1		=	1		2	2	7
1 1 0		=	1		1	2	6
1 1 1	short	=	1		1	1	5
T	Timestamp	=	0	; no Timestamp-Bits in Header			
		=	1	; add Timestamp-Bits between length and value			