Echange des informations entre ETS5 et le capteur KNX
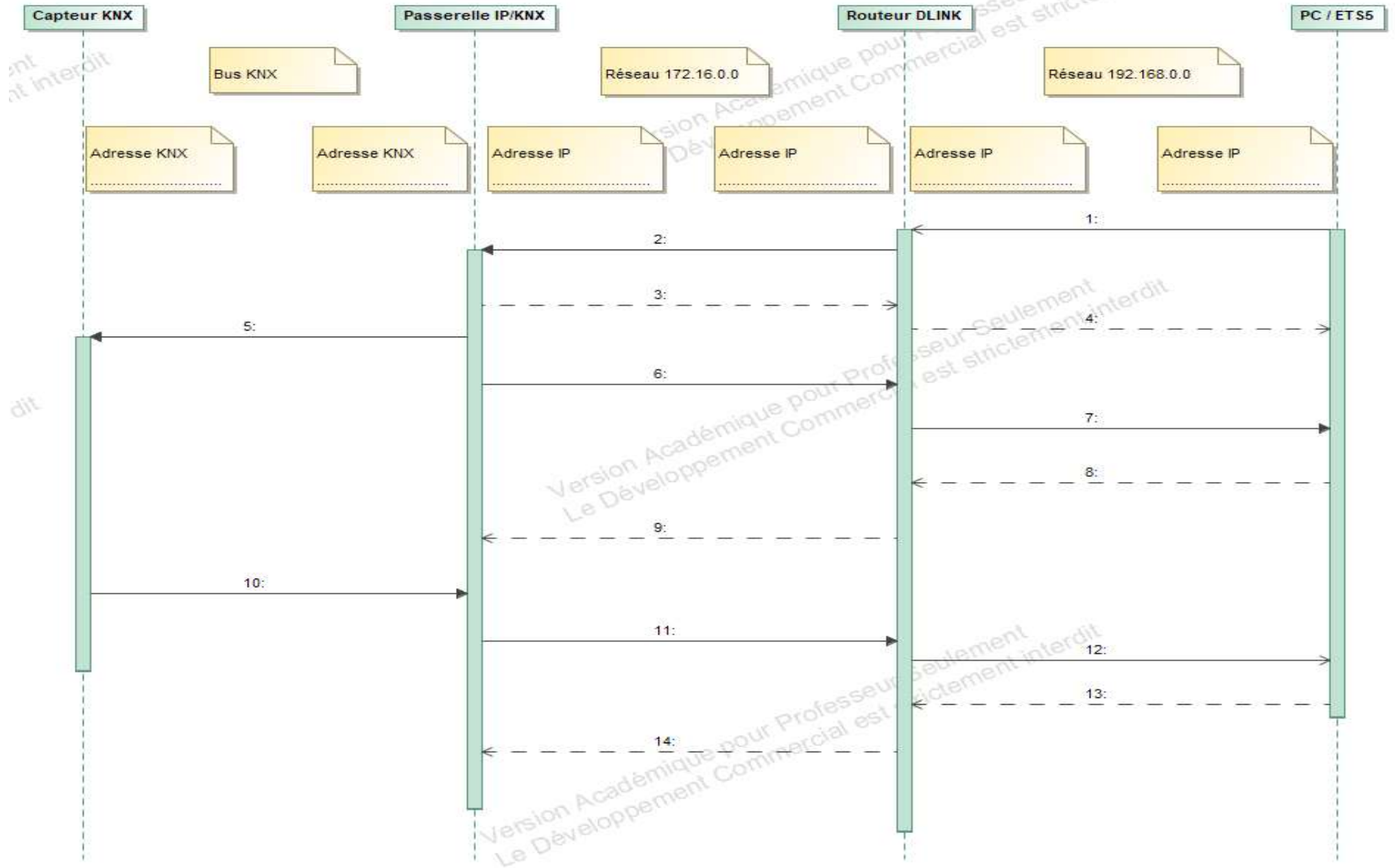
L_Data.ind

Header Length	Protol Version	Service Type		Total Length		Structure Length	Comm. Chanel	Sequence Counter	reserved	messagecode	Control Field 1	Control Field 2	Source add		Destination Add		Compt Longueur	Data		
06																				
Trame sur TP (sans l'octet de sécurité)											BC									

Total Length :

Le code du type de message (L_Data.ind) :

Adresse source :

Adresse destination :

Type de réponse :

      Notation ⇨ x : pas de signification - d : data

00 00xx xxxx	Group Value Read
00 01dd dddd	Group Value Reponse (data<6 bits)
00 01xx xxxx dddd dddd dddd dddd …..	Group Value Reponse (data>6 bits)
00 10dd dddd	Group Value Write (data<6 bits)
00 10xx xxxx dddd dddd dddd dddd …..	Group Value Write (data>6 bits)
00 11xx xxxx BBBB LLLL TTTT TTTT	Individual Address Write
01 00xx xxxx	Individual Address Request
01 01xx xxxx	Individual Address Response

Température :

4.10.2 Datapoint Types 2-Octet Float Value

Format:	2 octets: F_{16}
octet nr	2 MSB 1 LSB
field names	FloatValue
encoding	M E E E E M M M M M M M M M M M (E)
Encoding:	FloatValue = (0,01*M)*$2^{(E)}$
	E = [0 … 15]
	M = [-2 048 … 2 047], two's complement notation
	For all Datapoint Types 9.xxx, the encoded value 7FFFh shall always be used to denote invalid data.
Range:	[-671 088,64 … 670 760,96]

Datapoint Types

ID:	Name:	Range:	Unit:	Resol.:
9.001	DPT_Value_Temp	-273 °C … 670 760 °C	°C	1 °C
9.002	DPT_Value_Tempd	-670 760 K … 670 760 K	K	1 K
9.003	DPT_Value_Tempa	-670 760 K/h … 670 760 K/h	K/h	1 K/h
9.004	DPT_Value_Lux	0 Lux … 670 760 Lux	Lux	1 Lux
9.005	DPT_Value_Wsp	0 m/s … 670 760 m/s	m/s	1 m/s
9.006	DPT_Value_Pres	0 Pa … 670 760 Pa	Pa	1 Pa
9.007	DPT_Value_Humidity	0 % … 670 760 %	%	1 %
9.008	DPT_Value_AirQuality	0 ppm … 670 760 ppm	ppm	1 ppm
9.010	DPT_Value_Time1	-670 760 s … 670 760 s	s	1 s
9.011	DPT_Value_Time2	-670 760 ms … 670 760 ms	ms	1 ms
9.020	DPT_Value_Volt	-670 760 mV… 670 760 mV	mV	1 mV
9.021	DPT_Value_Curr	-670 760 mA … 670 760 mA	mA	1 mA
9.022	DPT_PowerDensity	-670 760 W/m^2 … 670 760 W/m^2	W/m^2	1 W/m^2
9.023	DPT_KelvinPerPercent	-670 760 K/% … 670 760 K/%	K/%	1 K/%
9.024	DPT_Power	-670 760 kW … 670 760 kW	kW	1 kW
9.025	DPT_Value_Volume_Flow	-670 760 l/h … 670 760 l/h	l/h	1 l/h