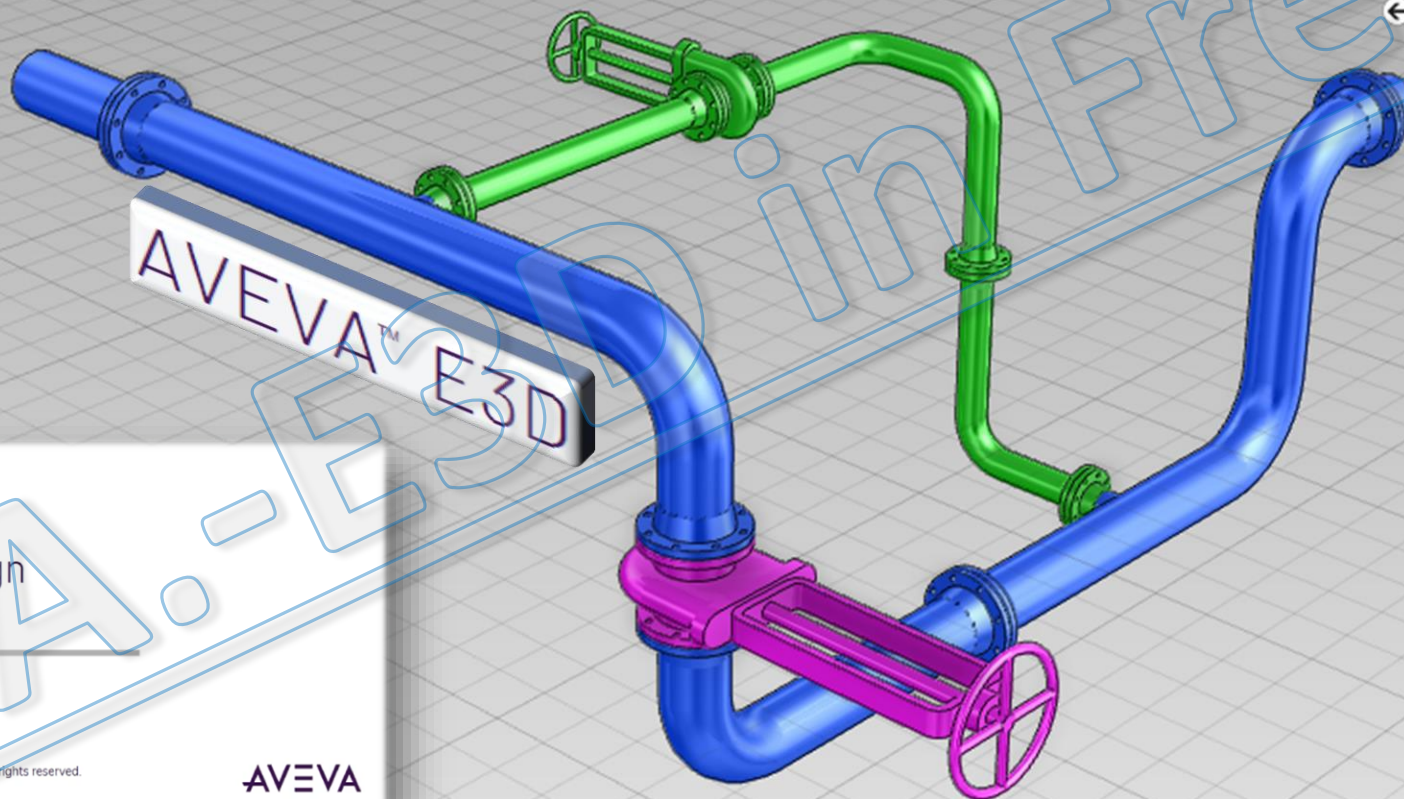


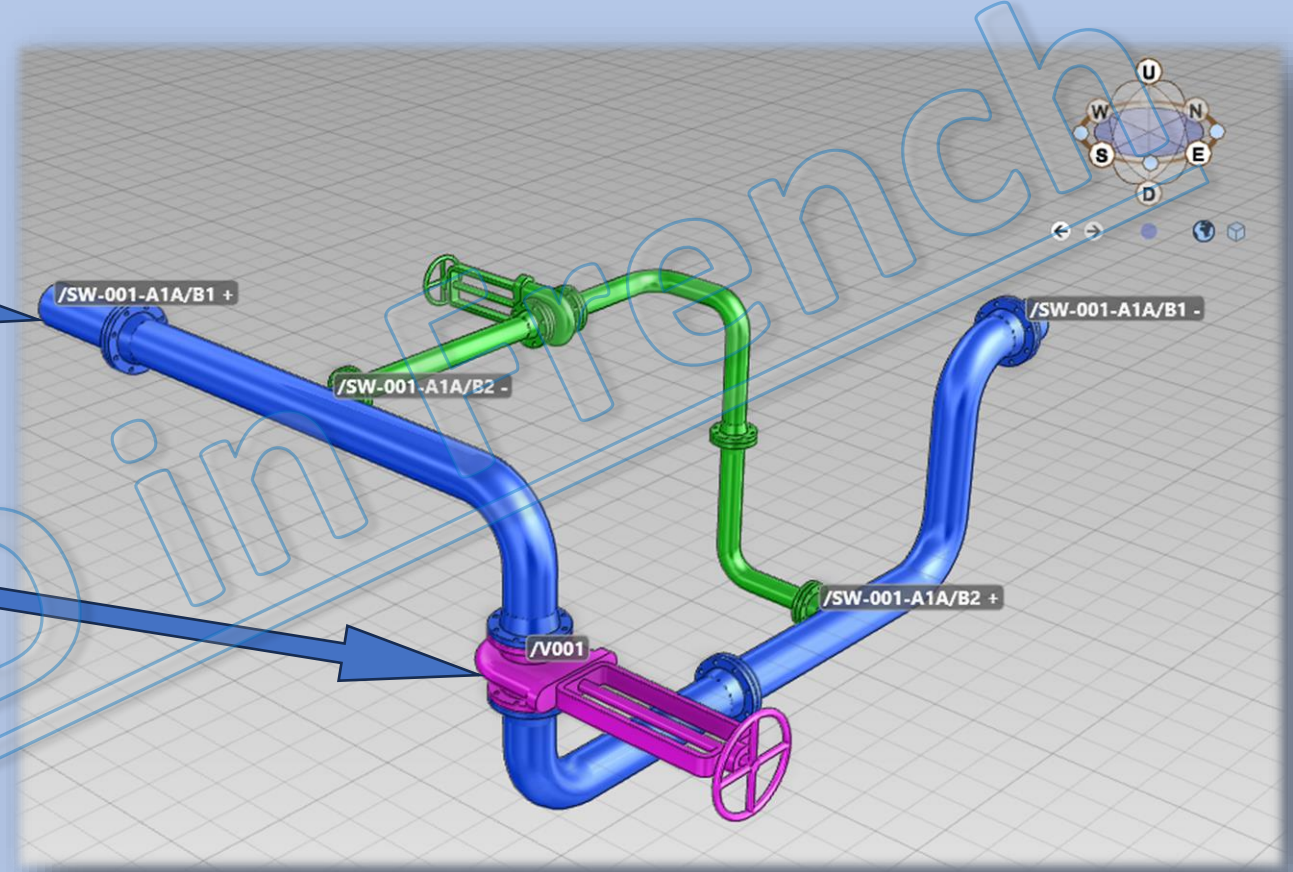
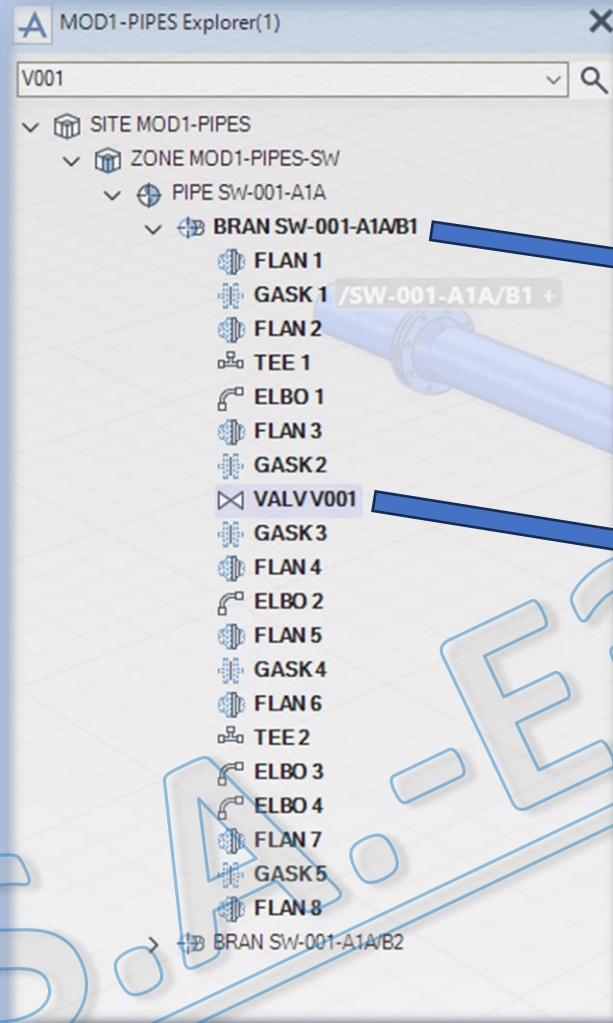


FORMATION AU MODULE « PARAGON »

DISCIPLINE: TUYAUTERIE



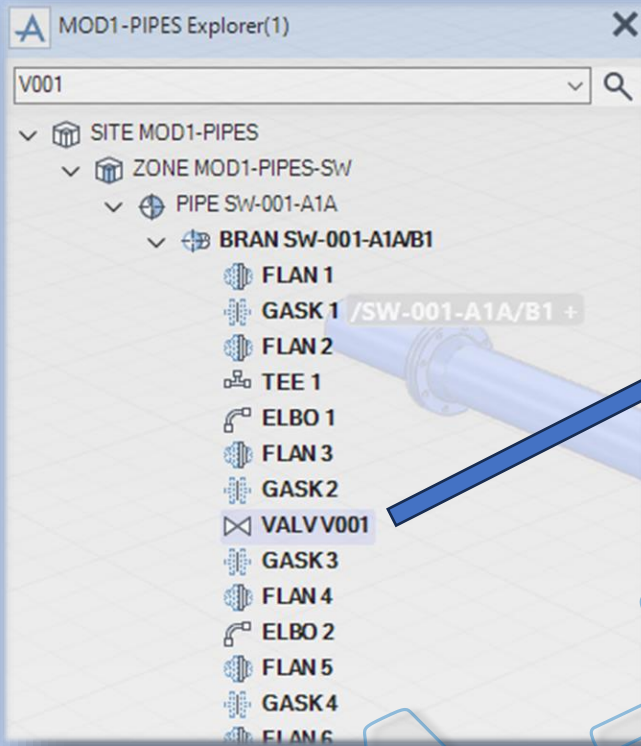
FORMATION AU MODULE « PARAGON »



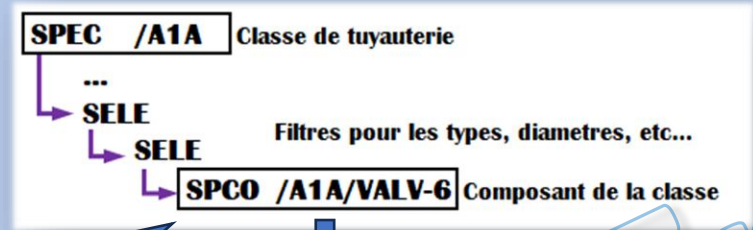
Hiérarchie du model 3D



FORMATION AU MODULE « PARAGON »



DESIGN



SCOM /AV-API600-GA-0-HW-RF-150-AR-AR Géométrie du composant
SDTE /AV-API600-GA-0-HW-RF-150-SDTE Description du composant
SMTE /ASTM_A240_GR.304 Matériaux du composant
CMPREF /AV-API600-GA-0-HW-RF-150-AR-AR-WT Poids du composant

PTSE /AV-API600-GA-0-HW-RF-150-PTSE Définition des ppoints
GMSE /AV-API600-GA-0-HW-RF-150-GMSE Définition des primitives
DTSE /AV-API600-GA-0-HW-RF-150-DTSE Définition des paramètres
BTSE /AB-B16.5-SB-150-AR Définition de la boulonnerie
SDTE /AV-API600-GA-0-HW-RF-150-SDTE Description du composant

PARAGON

Organisation du catalogue à partir du model 3D



FORMATION AU MODULE « PARAGON »

										Category Name
Tube	Normes	P	Ref Std	Type	Rating			Diametre Inlet	Diametre Outlet	
Pipe/Tube	American		ASME B16.10	Beveled End	No significant			100mm - 4"	100mm - 4"	AP-B16.10-BE-0
	A		B16.10	BE	0			AN	AN	
Coude	Normes	E	Ref Std	Angle	Type	Inlet Type	Outlet Type	Diametre Inlet	Diametre Outlet	
Elbow	American		ASME B16.9	90 Deg	1 Dia	Butt Weld	Butt Weld	100mm - 4"	150mm - 6"	AE-B16.9-90-SR-BW-BW-0
	A		B16.9	90	SR	B/W	B/W	AN	AQ	
Cintrage	Normes	B	Ref Std	Type	Extension	Ratio		Diametre Inlet	Diametre Outlet	
Bend	American		Vendor	Beveled End	100	5D EXT		250mm - 10"	15mm - 1/2"	AB-VDR-BE-100-5D-E
	A		VDR	BE	100	5D-E		AS	AD	
Té	Normes	T	Ref Std	Type	Inlet Type	Outlet Type	Rating	Diametre Inlet	Diametre Outlet	
Tee	American		Vendor	Reinforcement	Butt Weld	Butt Weld	No significant	1800mm - 72"	100mm - 4"	AT-VDR-RI-BW-BW-0-2D
	A		VDR	RI	B/W	B/W	0	BZ	AN	
Piquage	Normes	O	Ref Std	Type	Outlet Type	Rating	Options	Diametre Inlet	Diametre Outlet	
Olet	Manufacturer		Vendor	Reinforcement	Butt Weld	No significant	2 OD Branch	100mm - 4"	100mm - 4"	MO-VDR-REI-BW-0-2D
	M		VDR	REI	B/W	0	2D	AN	AN	
Piquage	Normes	X	Ref Std	Type	Inlet Type	Outlet Type	Rating	Diametre Inlet	Diametre Outlet	
Cross	American		ASME B16.9	Equal	Socket Weld	Socket Weld	#9000	1800mm - 72"	100mm - 4"	AX-B16.9-EQ-SW-SW-9000
	A		B16.9	EQ	S/W	S/W	9000	BZ	AN	
Bouchon	Normes	K	Ref Std	Type	Inlet Type	Rating		Diametre Inlet	Diametre Outlet	
Cap	American		ASME B16.11	Plug Hexagonal	NPT Male	No significant		100mm - 4"	100mm - 4"	AK-B16.11-PLU-NM-0
	A		B16.11	PLU	NM	0		AN	AN	
Reducteur	Normes	R	Ref Std	Type	Inlet Type	Outlet Type	Rating	Diametre Inlet	Diametre Outlet	
Reducer	American		ASME B16.11	Concentrique	NPT Male	NPT Female	No significant	100mm - 4"	350mm - 14"	AR-B16.11-CO-NM-NF-0
	A		B16.11	CO	NM	NF	0	AN	AN	
Accouplement	Normes	C	Ref Std	Type	Inlet Type	Outlet Type	Rating			
Coupling	American		ASME B16.11	Full	Socket Weld	Socket Weld	#9000			N-9000
	A		B16.11	FUL	S/W	S/W	9000			
Raccord	Normes	U	Ref Std	Type	Inlet Type	Outlet Type	Rating			
Union	American		No significant	No significant	Butt Weld	Butt Weld	#3000			
	A		0	0	B/W	B/W	3000			
Collet Battu	Normes	L	Ref Std	Type	Inlet Type	Outlet Type	Rating	Diametre Inlet	Diametre Outlet	
LJSE	American		No significant	Weld on plate	Flat face	Butt Weld	PN6	100mm - 4"	100mm - 4"	AL-0-WP-FF-BW-P6
	A		0	WP	FF	B/W	P6	AN	AN	
Joint	Normes	G	Ref Std	Type	Rating	Outlet Type	Thickness	Diametre Inlet	Diametre Outlet	
Gasket	American		ASME B16.20	Elastomeric	#300	Raised Face	Thk 3mm	100mm - 4"	100mm - 4"	AG-B16.20-EL-900-RF-3.0MM
	A		B16.20	EL	300	RF	3.0MM	AN	AN	
Bride	Normes	F	Ref Std	Type	Inlet Type	Outlet Type	Rating	Diametre Inlet	Diametre Outlet	
Flange	American		ASME B16.5	Socket Welding	Raised Face	Butt Weld	#150	100mm - 4"	100mm - 4"	AF-B16.5-SW-RF-BW-150
	A		B16.5	S/W	RF	B/W	150	AN	AN	
Vanne	Normes	V	Ref Std or Vendor	Type	Sub Type	Actuator	In/Out Type	Diametre Inlet	Diametre Outlet	
Valve	ISO		ISO 15761	Check	Reduced Bore	No significant	Socket Weld	100mm - 4"	100mm - 4"	IV-I15761-CH-RB-0-SW-800
	I		I15761	CH	RB	0	S/W	AN	AN	
Boulon	Normes	B	Ref Std	Type	Outlet Type	Rating		Diametre Inlet		
Bolt	American		ASME B16.5	Serie B	No significant	#150		100mm - 4"		AB-B16.5-SB-0-150
	A		B16.5	SB	0	150		AN		

Etape très importante

Exemple de Codification du catalogue



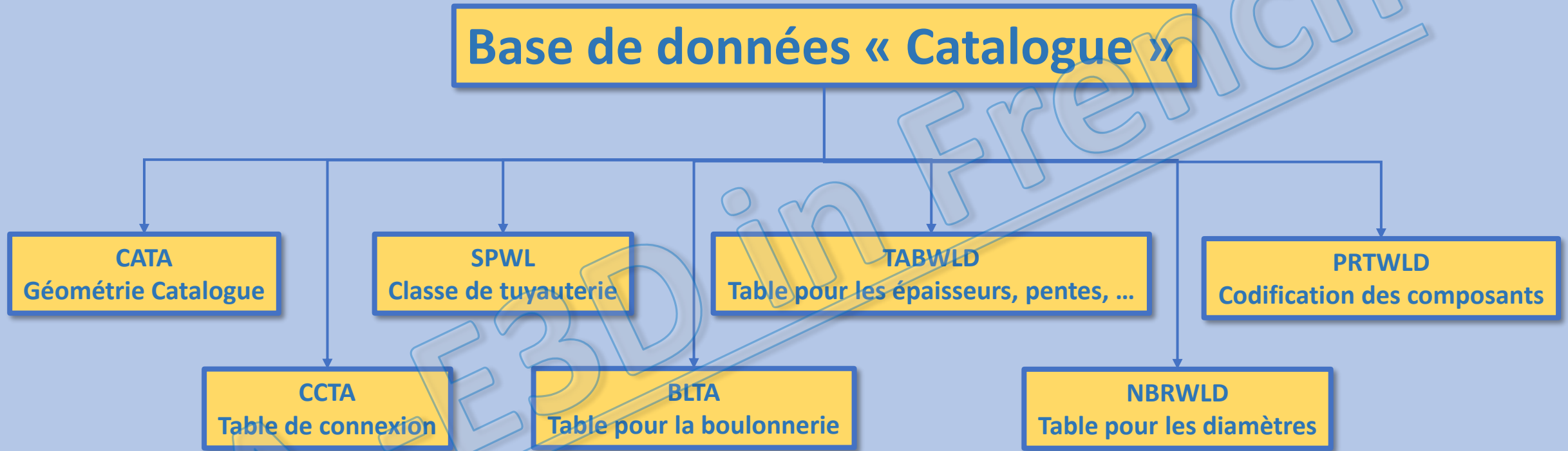
FORMATION AU MODULE « PARAGON »

Type ***	Sub Type ***	Actuator ***	Drilling ***	Std/Supplier ***	Spare1 ***	Spare2 ***
No significant 0	No significant 0	No significant 0	No significant 0	No significant 0	No significant 0	No significant 0
Ball BA	Long Pattern LP	Handle HA	DRILL DRI	Generic GEN		
Gate GA	Short Pattern SP	Handwheel HW		Cameron CAM		
Slide SL	Short Pattern Reducer SPR	Chain CH		ASME B16.3 B16.3		
Plug PL	Short Pattern Full SPF	Pneumatic PN		ASME B16.5 B16.5		
Butterfly BU	Long Pattern Reducer LPR	Electrical EL		ASME B16.9 B16.9		
Check CH	Long Pattern Full LPF	Hydraulic HY		ASME B16.11 B16.11		
Pinch PI	Reduced Bore RB	Gear Operated GO		ASME B16.47 B16.47		
Globe GL	Full Bore FB	Lever LV		BS 1873 BS1873		
Needle NE				API 600 API600		
Diaphragm DI				API 602 API602		
Pressure Safety Valve PS				BS 1868 BS1868		
Pressure Regulator PR				ISO 17292 I17292		
Strainer ST				ISO 15761 I15761		

Exemple de Codification du catalogue – Les VANNES



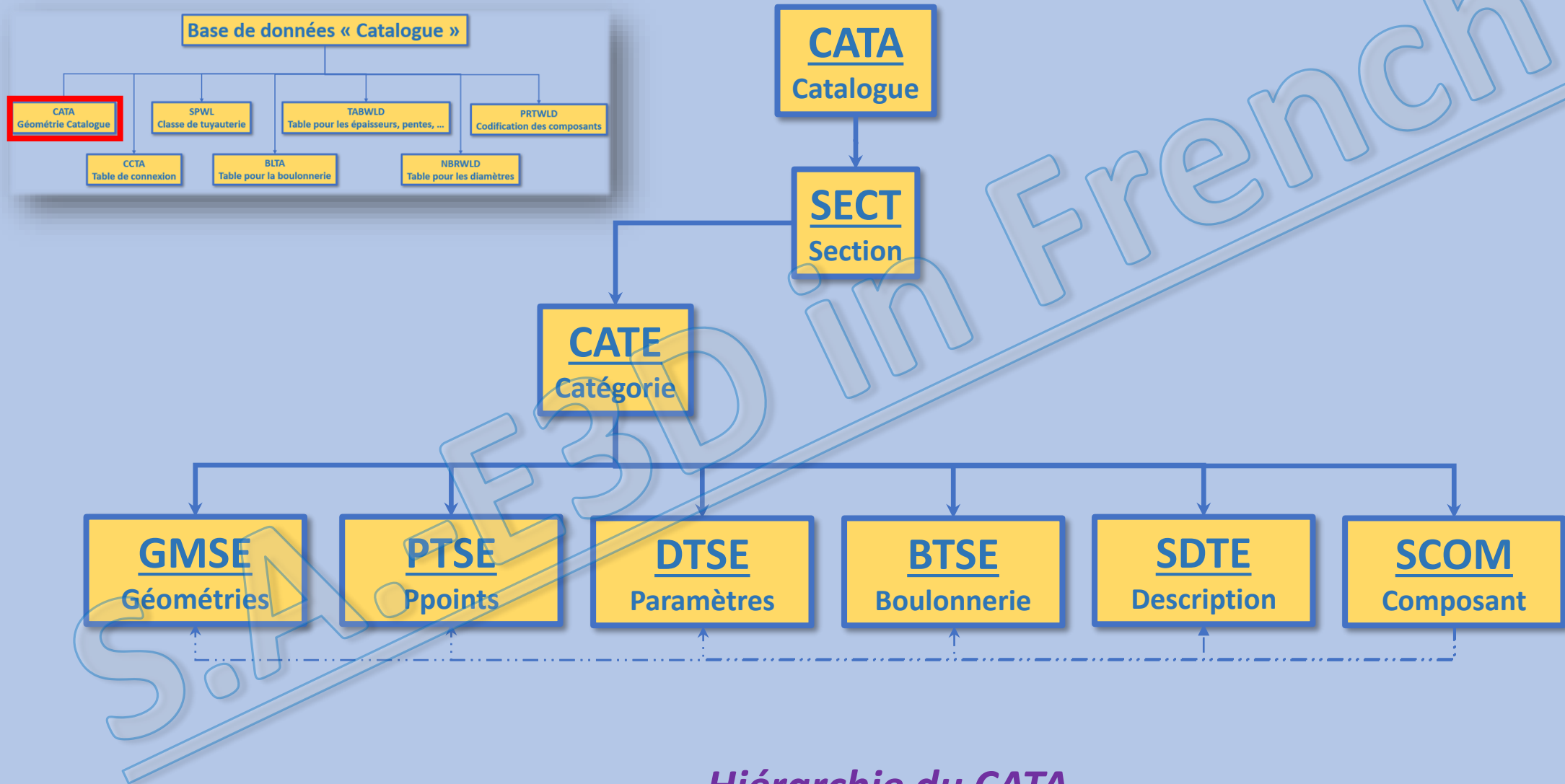
FORMATION AU MODULE « PARAGON »



Structure de la DB catalogue



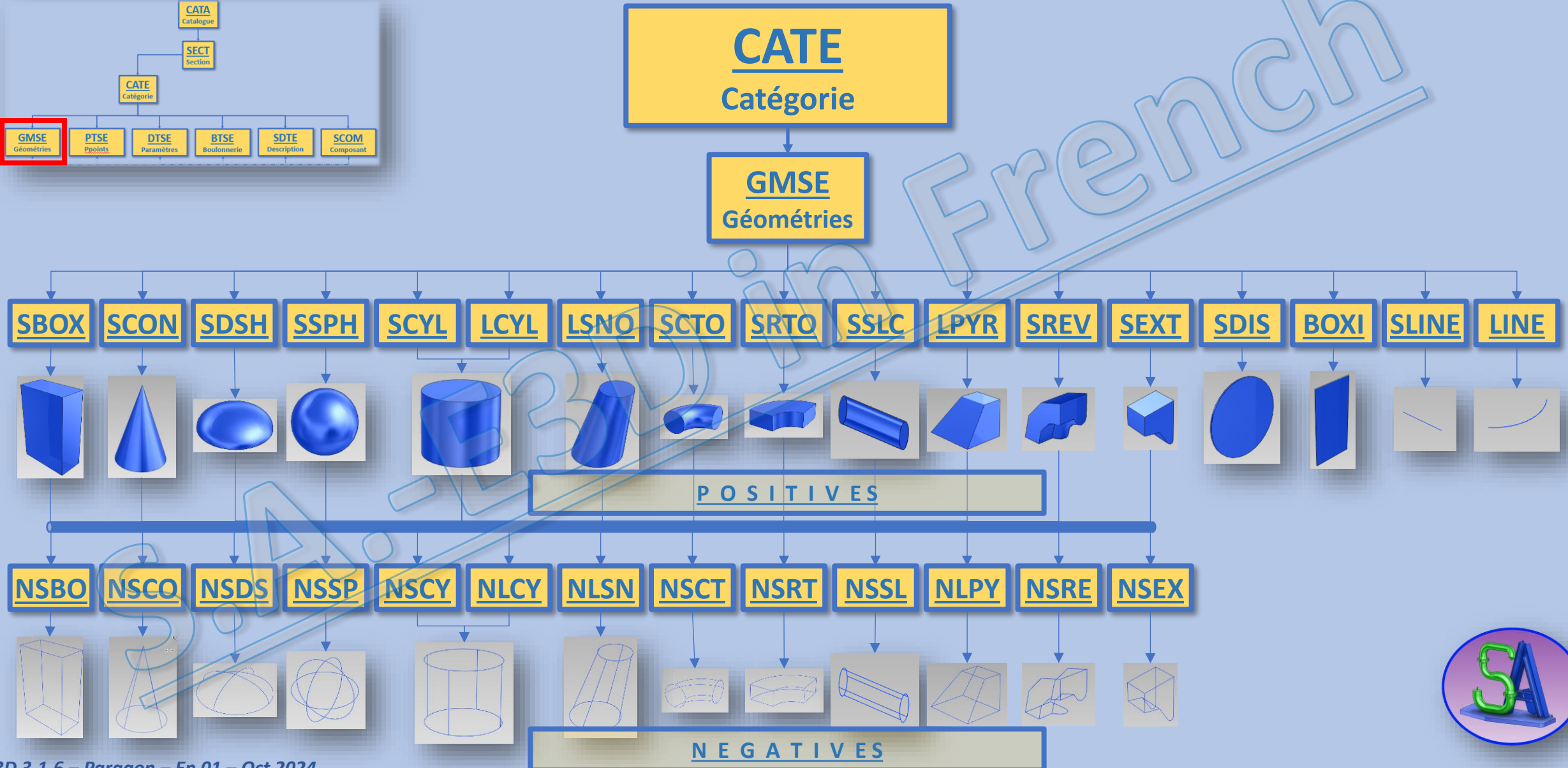
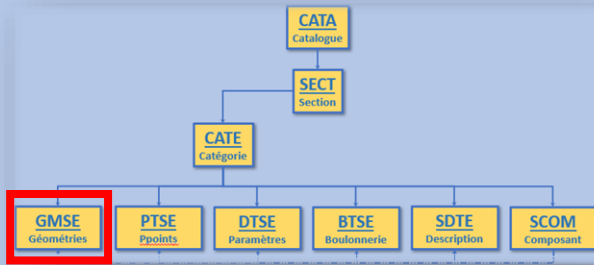
FORMATION AU MODULE « PARAGON »



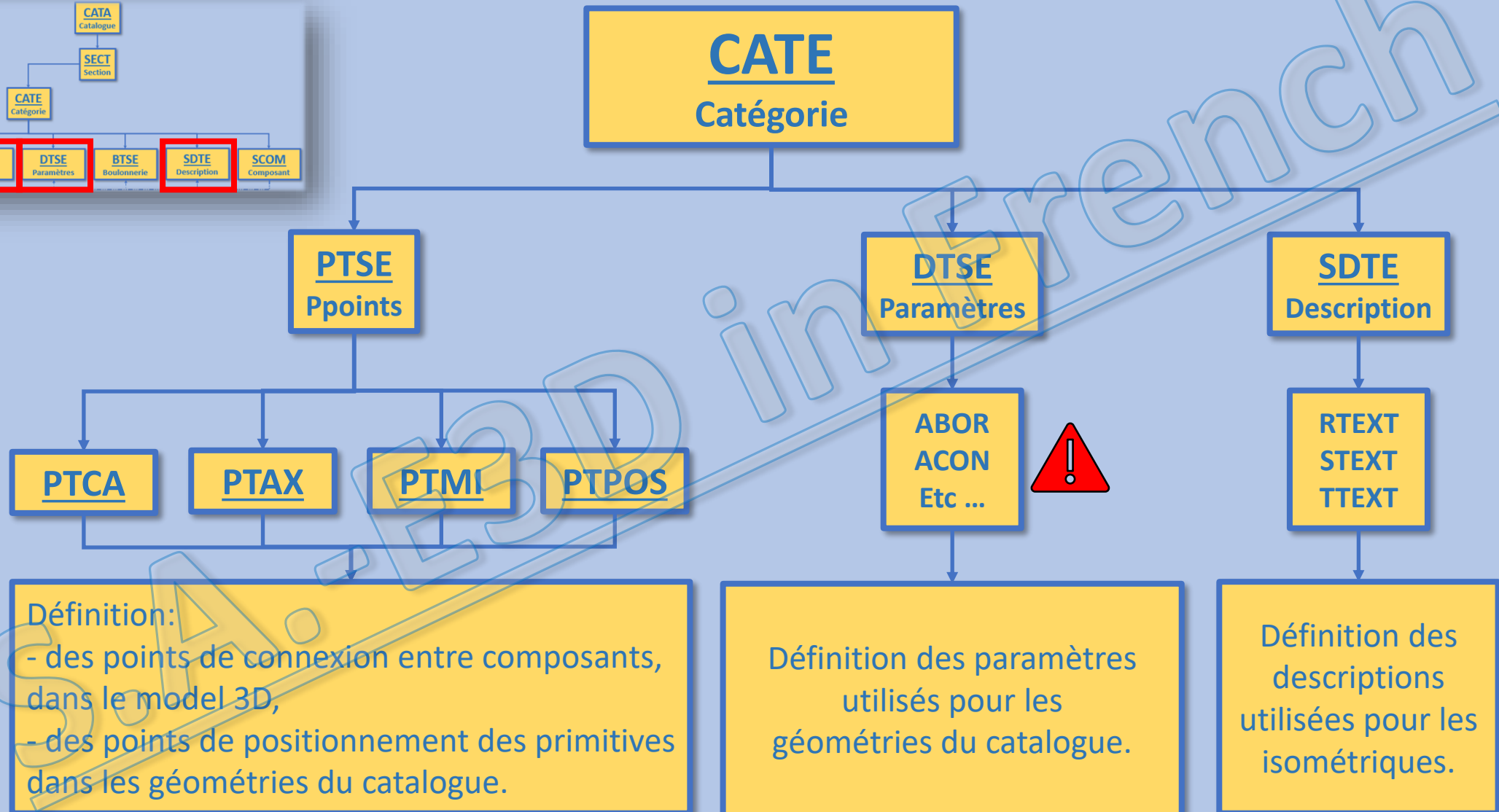
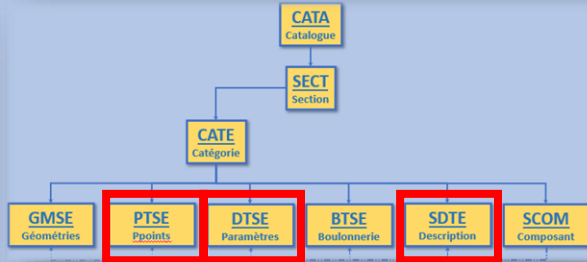
Hiérarchie du CATA



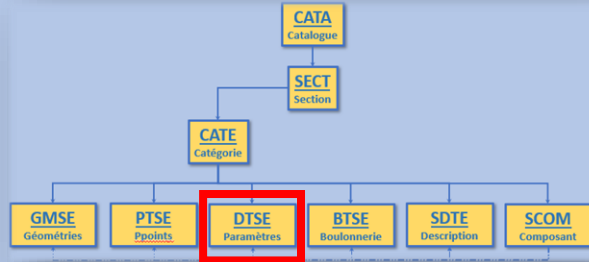
FORMATION AU MODULE « PARAGON »



FORMATION AU MODULE « PARAGON »



FORMATION AU MODULE « PARAGON »



DTSE Paramètres



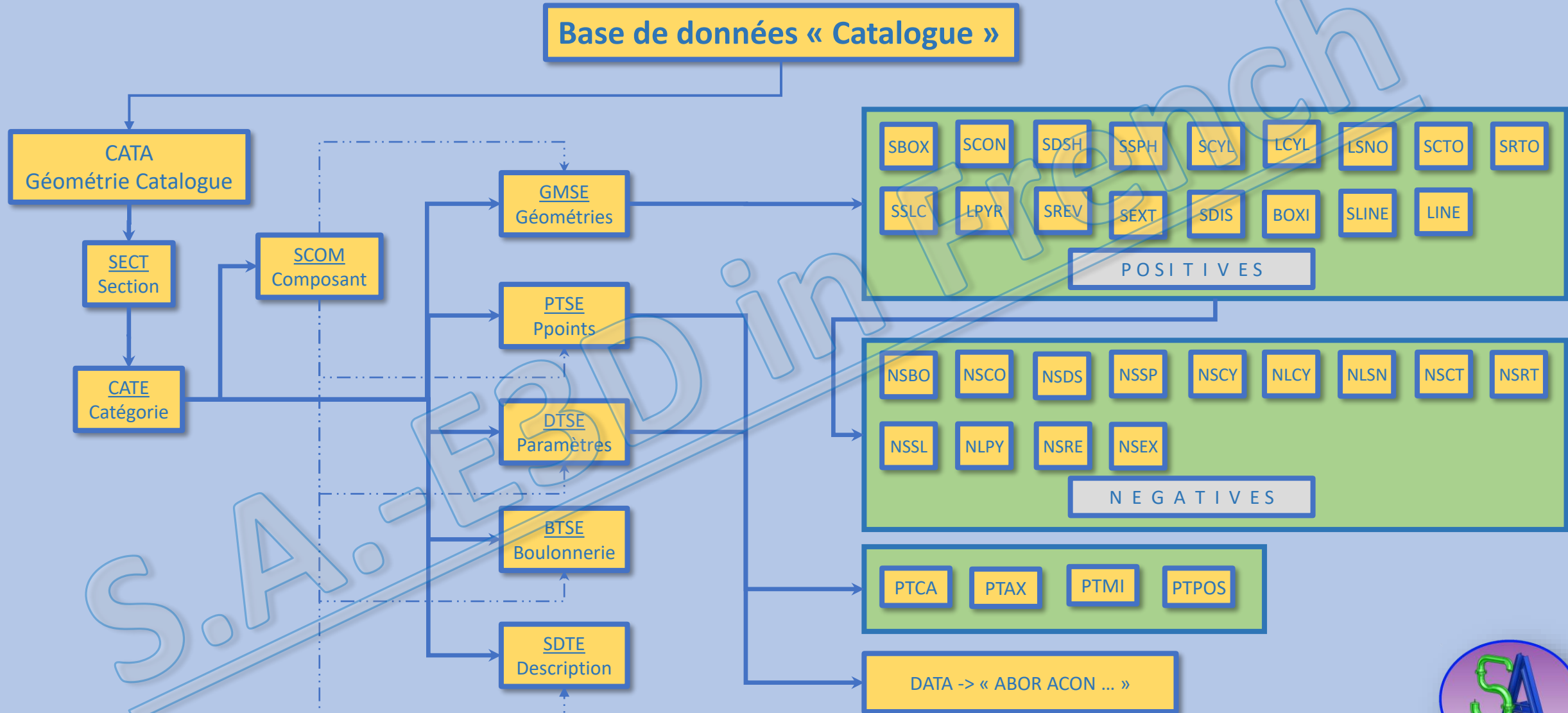
DKEY	Description	Data Type	Definition	ELBO	TEE	OLET	REDUCTION	CAP	GASKET	COUPLING	FLANGE	BEND	Colonne8	Colonne9
ABOR	Arrive Nominal Diameter	Bore	Param	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BBOR	Nominal Branch Bore	Bore	Param		✓	✓								
LBOR	Leave Nominal Bore	Bore	Param				✓							
PIOD	Run Pipe OD	Distance	Param	✓	✓	✓	✓	✓		✓		✓		
BPIO	Branch Pipe OD	Distance	Param		✓	✓								
LPIO	Leave Pipe OD	Distance	Param				✓							
ACON	Arrive connection	Word	Param	✓	✓	✓	✓	✓	✓	✓		✓		
BCON	Branch Connection	Word	Param		✓	✓								
LCON	Leave Connection	Word	Param				✓	✓						
ADCE	Distance to End	Distance	Param		✓									
BDCE	Distance to End (Bran)	Distance	Param		✓									
DITE	Distance to End	Distance	Param	✓	✓					✓				
LENG	Length	Distance	Param			✓	✓	✓						
ANGM	Max Angle	Angle	Param	✓										
DESA	Design Angle	Angle	Expression	✓										
RADS	Radius	Distance	Expression	✓										
THK	Thickness	Distance	Param											
GAOD	Gasket Outside Dia	Distance	Param						✓	✓				
GAID	Gasket Inside Dia	Distance	Param						✓	✓				
ELAN	Elbow Angle	Angle	Param	✓										
SOLE	Socket Length	Distance	Param	✓	✓	✓				✓				
SOTH	Socket Thickness	Distance	Param	✓	✓					✓				
BODI	Body Outside Dia	Distance	Param			✓								
LETH	Depth of Thread	Distance	Param					✓	✓					
FLET	Full Depth Thread	Distance	Param					✓	✓					
EXTE	Pipe Extension	Distance	Param											
RATI	Ratio for Bend	Real	Param									✓		
SODI	Socket Out Diameter	Distance	Param				✓							
SHDI	Shank Diameter	Distance	Param				✓							
LLEN	Laying Length	Distance	Param				✓							

Exemple

Codification des paramètres « DKEY »



FORMATION AU MODULE « PARAGON »

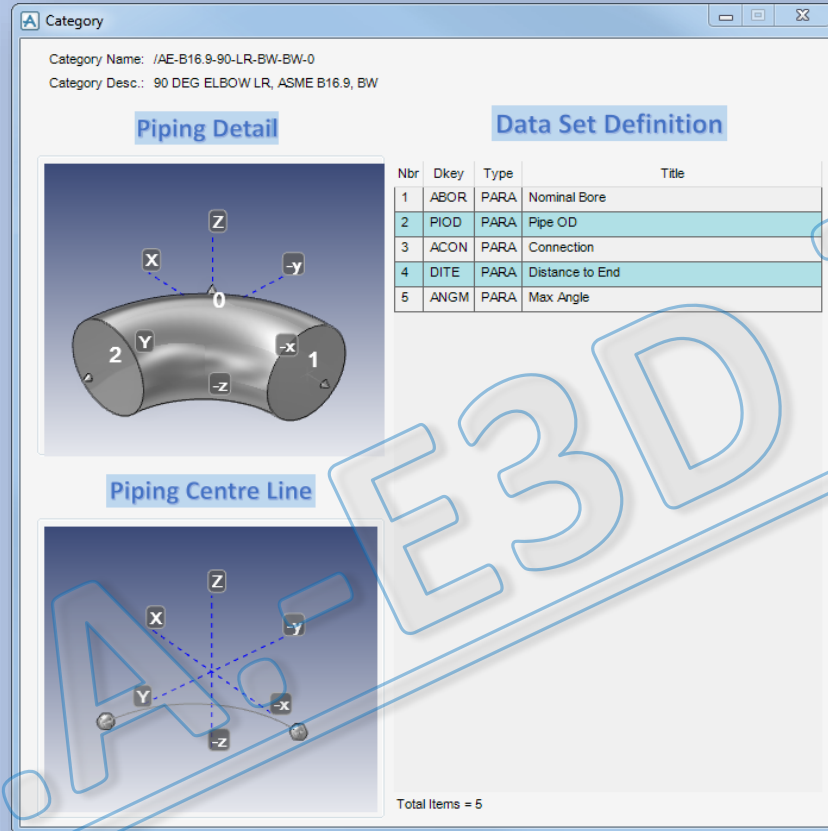


Récapitulatif de la hiérarchie



FORMATION AU MODULE « PARAGON »

Création de la catégorie « ELBOW »



/AE-B16.9-90-LR-BW-BW-0					
NOM	ABOR	PDIA	ACON	DITE	ANGM
AE-B16.9-90-LR-BW-BW-0-AD-AD	15	21.3	BWD	38	90
AE-B16.9-90-LR-BW-BW-0-AE-AE	20	26.7	BWD	38	90
AE-B16.9-90-LR-BW-BW-0-AF-AF	25	33.4	BWD	38	90
AE-B16.9-90-LR-BW-BW-0-AG-AG	32	42.2	BWD	48	90
AE-B16.9-90-LR-BW-BW-0-AH-AH	40	48.3	BWD	57	90
AE-B16.9-90-LR-BW-BW-0-AJ-AJ	50	60.3	BWD	76	90
AE-B16.9-90-LR-BW-BW-0-AK-AK	65	73	BWD	95	90
AE-B16.9-90-LR-BW-BW-0-AL-AL	80	88.9	BWD	114	90
AE-B16.9-90-LR-BW-BW-0-AM-AM	90	101.6	BWD	133	90
AE-B16.9-90-LR-BW-BW-0-AN-AN	100	114.3	BWD	152	90
AE-B16.9-90-LR-BW-BW-0-AP-AP	125	141.3	BWD	190	90
AE-B16.9-90-LR-BW-BW-0-AQ-AQ	150	168.3	BWD	229	90
AE-B16.9-90-LR-BW-BW-0-AR-AR	200	219.1	BWD	305	90
AE-B16.9-90-LR-BW-BW-0-AS-AS	250	273	BWD	381	90
AE-B16.9-90-LR-BW-BW-0-AT-AT	300	323.8	BWD	457	90
AE-B16.9-90-LR-BW-BW-0-AU-AU	350	355.6	BWD	533	90
AE-B16.9-90-LR-BW-BW-0-AV-AV	400	406.4	BWD	610	90
AE-B16.9-90-LR-BW-BW-0-AW-AW	450	457	BWD	686	90
AE-B16.9-90-LR-BW-BW-0-AX-AX	500	508	BWD	762	90
AE-B16.9-90-LR-BW-BW-0-AY-AY	550	559	BWD	838	90
AE-B16.9-90-LR-BW-BW-0-AZ-AZ	600	610	BWD	914	90
AE-B16.9-90-LR-BW-BW-0-BA-BA	650	660	BWD	991	90
AE-B16.9-90-LR-BW-BW-0-BB-BB	700	711	BWD	1067	90
AE-B16.9-90-LR-BW-BW-0-BC-BC	750	762	BWD	1143	90
AE-B16.9-90-LR-BW-BW-0-BD-BD	800	813	BWD	1219	90
AE-B16.9-90-LR-BW-BW-0-BE-BE	850	864	BWD	1295	90
AE-B16.9-90-LR-BW-BW-0-BF-BF	900	914	BWD	1372	90
AE-B16.9-90-LR-BW-BW-0-BG-BG	950	965	BWD	1448	90
AE-B16.9-90-LR-BW-BW-0-BH-BH	1000	1016	BWD	1524	90
AE-B16.9-90-LR-BW-BW-0-BJ-BJ	1050	1067	BWD	1600	90
AE-B16.9-90-LR-BW-BW-0-BK-BK	1100	1118	BWD	1676	90
AE-B16.9-90-LR-BW-BW-0-BL-BL	1150	1168	BWD	1753	90
AE-B16.9-90-LR-BW-BW-0-BM-BM	1200	1219	BWD	1829	90

Coude	Normes	E	Ref Std	Angle	Type	Inlet Type	Outlet Type	Rating
Elbow	American		ASME B16.9	90 Deg	1.5 Dia	Butt Weld	Butt Weld	No significant
	A		B16.9	90	LR	BW	BW	0

