

Appendix 2

to CAD manual

Model requirements

Initials	Version	Date	Log
SBAC SHSH XLESO XAMBI	01.00	07-10-2015	First Edition
XLESO XAMBI	01.01	20-04-2016	Disciplines updated according to Appendix 1. Changes are highlighted.

Models		Phase					
		Program Phase (Preliminary design)	Design Phase (Production TP material)	Negotiation	Design Phase (Basic design)	Design Phase (Detailed Design)	Closing Phase (As Built)
Existing Models	Existing Terrain	2D					
	Discipline: L	3D	x	x			
	Theme: EKS	Data	x	x			
	Existing track	2D	x	x			
	Discipline: H	3D	x	x			
	Theme: EKS	Data	x	x			
	Existing sub surfaces	2D					
	Discipline: G	3D		x			
	Theme: EKS	Data		x			
	Existing structures	2D		x			
	Discipline: B, K	3D		x			
	Theme: EKS	Data		(x)			
Existing utilities	2D	x	x			(x)	
Discipline: F	3D		x			(x)	
Theme: EKS	Data		(x)			(x)	
Designed Models	Alignments for tracks	2D	x	x	x	x	x
	Discipline: H	3D	x	x	x	x	x
	Theme: LIN	Data	x	x		x	x
	Alignments for over- and underpasses	2D	x	x	x	x	x
	Discipline: K, V	3D	(x)				
	Theme: LIN	Data	(x)	x	(x)	x	x
	Corridor for railway	2D					
	Discipline: H	3D	x	x	x	x	x
	Theme: KOR	Data	x	x		x	x
	Platforms	2D	x				
	Discipline: P	3D		x	x	x	x
	Theme: PER	Data		x		x	x
	Corridor for roads and paths	2D	x	x			
	Discipline: V	3D	(x)	x	x	x	
	Theme: KOR	Data	(x)	x			
	Road geometry and equipment	2D					
	Discipline: V	3D				x	x
	Theme: KOR	Data				x	x
	Clearance for railway	2D					
	Discipline: H	3D	(x)	x		x	x
	Theme: FRP	Data	(x)	x			x
	Clearance for over- and underpasses	2D					
	Discipline: V	3D	(x)	x		x	x
	Theme: FRP	Data	(x)	x			
	Groundwater level	2D					
	Discipline: G	3D	(x)	x		(x)	(x)
	Theme: GVS	Data	(x)	x			
	Structures of over- & underpasses	2D				x	x
	Discipline: B, K	3D	x	x	x	x	x
	Theme: OPG, OPB, TUN, SPU, SSM, RET	Data				(x)	(x)
	Excavations	2D					
	Discipline: H, V, B, K	3D				x	
	Theme: UDG	Data				(x)	
	Technical installations	2D				x	x
	Discipline: C, D, E, H, V, V	3D				x	x
	Theme: INS	Data				(x)	(x)
	Relocated utilities	2D	x	x		x	x
	Discipline: F	3D		x		x	x
	Theme: FOV	Data		(x)		(x)	(x)
	Rainwater basins	2D	x	x		x	
	Discipline: A	3D		x		x	x
	Theme: BAS	Data		x		x	x
Drainage	2D	(x)	x		x	x	
Discipline: A	3D				x	x	
Theme: AFV	Data				x	x	
Spoil areas	2D	x	x		x	x	
Discipline: L	3D		x		x	x	
Theme: SPA	Data		x		x	x	
Terrain	2D						
Discipline: L	3D					x	
Theme: EKS	Data					x	

Content of each model is described in the CAD manual section 4

2D = Design files in DWG- or DGN-format without information about Z-value

3D = Design files in DWG- or DGN-format including Z-value on elements

Data = ALG, DTM, XML and/or other original data formats used for generating the models

Model names are not shown with the full filename. For information regarding the full file names see appendix 1

(x) = Not always applicable