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Are you an attendee in a DigiPara Liftdesigner online training module?

We recommend to print these out in advance so that you have a handout for your own editing and for your notes during your training.

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Basic Workflow in DigiPara Liftdesigner

B2.0 General: SST vs. DST

- Standard Sheet Templates (SST)
- Dynamic Sheet Templates (DST)

B2.2 Standard Sheet Templates (SST)

- Load an existing sheet template
- Save your own standard sheet template
- Edit your own elevator project
- Load your own standard sheet template

B2.1 Preparation Steps

Create and save new elevator projects

B2.3 Dynamic Sheet Templates (DST)

- Create a new folder to the Datapool
- Create and save a new drawing border & title block (*dwg)
- Add and rename a new empty sheet (*.lds)
- Save a new dynamic sheet template in the Datapool
- Create, edit and save new view frames (*.ldf)

Typical Processes in Datamanager

B2.4 DST Configuration

- General information
- Define a group for drawing border and title block (frame groups)
- Define a group for view frames (frame groups)
- Create dynamic rules for frame groups
- Rule editor
- Combination of rules
- Define sheet groups
- Link the frame groups to the sheet groups
- Load your DST in DigiPara Liftdesigner

B2.5 Constant Groups

- Define constant groups
- Link the constant groups to the sheet groups
- Link the constant groups to the view frame
- Drawing messages in a constant group
- Load your DST in DigiPara Liftdesigner

B2.6 DST Distribution

- Register module files in database
- Share your data

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Optional Steps: Rule based detail sections

B2.7 <u>Rules for Vertical Sections</u> in Liftdesigner

Detail example 1 – Pit, CWT left & right:

- Create and modify new vertical section
- Define rules for vertical detail section

Detail example 2 – Head, CWT left & right :

- Create and modify new vertical section
- Define rules for vertical detail section
- Save own vertical sections (Pit & Head)

B2.8 DST Configuration

- Define frame groups
- Create dynamic rules for frame groups
- Define sheet groups
- Link the frame groups to the sheet groups
- Load your DST in DigiPara Liftdesigner

B2.9 DST Distribution

- Register new module files in database
- Share your data

Optional Steps: Manage sheets for different countries

B2.10 Sheet Country

- General information
- Configure a DST for different countries

B2.11 Summary

Custom Q&A's

B2.0

General: SST vs. DST





B2.0 GENERAL: SST VS. DST

Standard Sheet Templates (SST)

Content prepared and managed in Liftdesigner

- All settings must be adjusted manually to the respective elevator project:
 - Static views and external blocks
 - Static positioning
 - Static scale

Dynamic Sheet Templates (DST)

- Content prepared in Liftdesigner
- Managed in Datamanager
- Settings automatically adapt to the respective elevator project based on created rules:
 - Dynamic views and external blocks
 - Dynamic positioning rules
 - Dynamic activation rules
 - Dynamic scale rules
 - Dynamic language options

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B2.1

Preparation Steps





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B2.1 PREPARATION STEPS

Create new elevator projects

Elevator characteristics: CWT left side & CWT right side DigiPara Liftdesigner 2021 - Add shaft DigiPara Liftdesigner 2021 - Add shaft NEW ELEVATOR - STEP 1 STEP 2 STEP 3 NEW ELEVATOR - STEP 1 STEP 2 STEP 3 digipara[:] liftdesigner digipara \bigotimes \bigotimes liftdesigner **CREATE A NEW ELEVATOR: STEP 4 CREATE A NEW ELEVATOR: STEP 4 Elevator Characteristics Elevator Characteristics** Drive location **Drive** location In the shaft (MRL) In the machine room In the shaft (MRL) In the machine room Car roping Car roping Lateral Guided Car Frames Only Lateral Guided Car Frames Only With Counterweight Safety Gear Only With Counterweight Safety Gear Only **Counterweight** location **Counterweight roping** Counterweight roping Counterweight location 멑 멑 () \bigcirc ✓ Update automatically Update automatically

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B2.1 PREPARATION STEPS

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Create new elevator projects

Load without any sheet templates



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B2.1 PREPARATION STEPS

Save new elevator projects

- DST-CWT_L
- DST-CWT_R



B2.2

Standard Sheet Templates (SST)





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B2.2 STANDARD SHEET TEMPLATES (SST)

Load an existing standard sheet template



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B2.2 STANDARD SHEET TEMPLATES (SST)

General information: SST

- contain the information about:
 - Views (*.ldf) and external blocks (*.dwg, *.jpg, ...)
 - the component visibility
 - the dimension settings
 - Annotations
- created (in Liftdesigner):
 - by adding a new sheet (*.lds)
 - by adding a drawing border and title block
 - by configuring the component visibility
 - by customizing the dimension settings
 - by configuring views (*.ldf) and external blocks (*.dwg, *.jpg, ...)



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B2.2 STANDARD SHEET TEMPLATES (SST)

Save your own standard sheet template

• Store the layout-specific information of a sheet. Sheet template files have the **.lds* file extension



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B2.2 STANDARD SHEET TEMPLATES (SST)

Edit your own elevator project

• Edit the project to see any difficulties that may occur in the standard sheet template



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B2.2 STANDARD SHEET TEMPLATES (SST)

Load your own standard sheet template

• SST's always display the same content and layout, independent of the elevator and project type.



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B2.2 STANDARD SHEET TEMPLATES (SST)

Load your own standard sheet template

- Edit the project to see any errors that may occur in the standard sheet template.
 - Manual adjustments related to the view frame may have to be repeated.



B2.3

Dynamic Sheet Templates (DST)





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B2.3 DYNAMIC SHEET TEMPLATES (DST)

General information: DST

- Can display different, project specific content which are configured via sheet related rules e.g.:
 - Drawing borders (*.dwg)
 - Title blocks (*.dwg)
 - View frames (*.ldf)
 - External blocks (*.dwg, *jpg, ...)



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

General information: DST

- Doesn't need to contain any static content like views, external blocks, etc. The whole content can be loaded dynamically by rules.
- The storing procedure for the basic DST sheet is the same as for a standard sheet template.



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Create a new folder to the Datapool



B2.3 DYNAMIC SHEET TEMPLATES (DST)

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Create and save a new drawing border & title block (*.dwg)

• Copy an existing similar DWG file into the Datapool.



Hint: Title blocks start with the **titl_** prefix and drawing borders start with the **bord_** prefix!

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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Add a new empty sheet (*.lds)

- Load a sheet without rules in Liftdesigner
- You may use the prepared Empty.lds sheet in your Datapool



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Rename the new empty loaded sheet (*.lds)

- The sheet template should have its own unique designation before saving.
- Otherwise: The template will be overwritten with the next software update!



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Save a new dynamic sheet template in Datapool

Remove view frame and save dynamic sheet template files (*.lds)



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B2.3 DYNAMIC SHEET TEMPLATES (DST)



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Create new view frames (*.ldf)

- 2 new plan views: CWT_L & CWT_R
- Modify :
 - Add new dynamic dimensions to the front and rear entrance
 - Change shaft ladder position
 - Show extended component dimension for Ladder
 - Add description to the plan views: "Plan CWT Left" / "Plan CWT Right" /
 - Remove the holes under the shaft



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B2.3 DYNAMIC SHEET TEMPLATES (DST)

Save new view frames

- Save new view frames inside the existing folder : MyDST-Viewframe
 - "Plan_CWT_L"
 - "Plan_CWT_R"



Let's have a break!

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B2.4

DST Configuration



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B2.4 DST CONFIGURATION

Related data tables

• in DigiPara Liftdesigner Datamanager under Dynamic Sheet Templates



B2.4 DST CONFIGURATION – GENERAL INFORMATION

Sheet Groups

One or more DST's can become part of a Sheet Group. Each DST can be switched on or off by a userdefined condition. Each DST can contain one or more sheet items that can also be switched on and off conditionally (this allows you to switch on and off one or more view frames/DWG files in the DST with a single condition). Each sheet item is linked to a frame group and/or constant group that contains the dynamic sheet content.

Frame Groups

The dynamic DigiPara Liftdesigner view frame is configured in/via Frame Groups. A Frame Group can contain one or more view frames (*.lds) and external blocks (e.g.:*.dwg, *.jpg) as well as sub-conditions.

Constant Groups

You can configure Constant Groups to create your own user storage values per sheet item depending on your predefined conditions. The user storage values can be used in the External Expression (External\$("xxxx...)) in the view frames, so the expression content can be changed dynamically according to the specified Constant conditions.



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B2.4 DST CONFIGURATION

Define a group for drawing border and title block

Add a new bord_ and titl_ (*.dwg) frame group.

DigiPara Liftdesigner	ι ← → · ↑ 📙 <u>C:\LD_POOLS\</u> P	OOL21\Training\blocks\MyDST-dwg	×
Home Options Training [C:\LD_POOLS\POOL21\Training\Data\LD50.mdf] Image: Composition for the second sec	Cabin Cabin LDE LIFT_EQUIP	Name Name bord_2h_MyDST titl_sml_int_DST_myDST	About DigiPara Liftdesigner Datamanager 2021 Help # X
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B2.4 DST CONFIGURATION

Define a group for drawing border and title block

• Set up the right mode for DWG's and use the existing base point.

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B2.4 DST CONFIGURATION

Define a group for view frames

 Add new frame groups. 🗊 DigiPara Liftdesigner Datamanager 2018 - Select file w sheets → MyDST-ViewFrame -~ Ö Ara: MyDST-ViewFra Options Home Düzenle 🔻 Yeni klasör :== Standard Data Pool [C:\ProgramData\DigiPara\2018\dcc\DataPool\Data\LD50.mdf] 2 Fill Down ۰. P Fill Down +1 75:LD-Developer A360 Drive ^ Ad Copy BIM Band Components Find and Replace Sort modules by description -🛗 Belgeler expan [Plan_CWT_L.ldf Edit Database Settings Grid Rows Grid Cells 👆 İndirilenler Plan_CWT_R.ldf Frame Groups 🔜 Masaüstü Liftdesigner Datamanager: Drag a column header here to group by that column. Müzikler HFRGRP COMMENTS SHFRGRP RID SHFRGRP MF RI ± Escalator Data 7500000 My Dynamic Bord and Tittle Sheet Template Data 7500001 7500000 My Dynamic Frames Internet Tables (for Reference Models) SHFRITEM_RID SHFRITEM_SHFRGRP_RID SHFRITEM X0 RUL SHFRITEM_Y0_RUL SHFF Dynamic Sheet Templates 7500001 100 100 \sheets\MyDST-ViewFrame\Plan_CWT_L.ldf 1/25 - • 7500003 7500001 100 100 1 \sheets\MyDST-ViewFrame\Plan_CWT_R.ldf 1/25 Sheet Groups Frame Groups - Constant Groups 3D Visualization Translation & Help Drogram Configurations ⋮. [C:\ProgramData\DigiPara\2018\dcc\DataPool\Dat 4 L_InternetSheetFrameGroupTab Add. L_InternetSheetFrameItemTab Load recent documents Table view 😧 Quick H... 🚍 Memo E... 🧮 Tabledat. C:\ProgramData\DigiPara\2018\dcc\DataPool\Data\LD50.mdf 7500000 NUM OVR

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B2.4 DST CONFIGURATION

Create dynamic rules for frame groups – Positioning

- Positioning view frames dynamically by using a DigiPara Liftdesigner project value from the data tree.
- Rules can be applied to view frames as well to external block (*.dwg).



B2.4 DST CONFIGURATION

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Create dynamic rules for frame groups – Visibility, Example 1

Add view frame condition rules:



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B2.4 DST CONFIGURATION

Create dynamic rules for frame groups – Visibility, Example 2

- Rule matrixes are defined via the MATRIX columns.
 - The index of the record containing the comparative DigiPara Liftdesigner MATRIX Rules values **must** start with -1. All other columns **must be** empty or 0.
 - The other columns (index 0-n) contain the comparative values as well as the view frame/ DWG references of the files to be loaded.

Fram	e Groups 🗙								
Lifto	lesigner Datamanag								
	SHFRGRP_RID	SHFRGRP_MF_RID	SHF	RGRP_DESC	SHFRG	RP_COMMENTS			
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	SHFRITEM_RI	D SHFRITEM_SHF	rgrp_rid sh	FRITEM_IX △ SH	FRITEM_DEV	SHFRITEM	_X0_RULE	SHFRITE	M_Y0
→	▶ 7500	004	7500001	-1		0		0	
	- 7500	002	7500001	0		100		120	
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	Row IX -1: LD reference value								
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				1					
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	\sheets\MyDST-ViewFrame\Plan_CWT_Lldf	1/25		=3					
	\sheets\MyDST-ViewFrame\Plan_CWT_R.ldf	1/25		=4					
				-	'				
	Row IX 0 -	n: Comp.	values						

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B2.4 DST CONFIGURATION

General Information: Rule editor

- Rules errors will be thrown if a syntactical wrong rule gets added to the condition or matrix columns
- This rule causes an error:

LDS("L_StandardTab.STD_DESC")=="EN81"



LDS("L_StandardTab.STD_DESC")="EN81"

• The fixed rule:

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B2.4 DST CONFIGURATION

Combination of rules

via ANDALSO and/or ORELSE in the SHFRITEM_CONDITION column

LD("Shaft.WIDTH")=1000 **ORELSE** LD("Shaft.WIDTH")>1000

LD("Shaft.WIDTH")>1200 ANDALSO LD("Shaft.DEPTH")>=1800

(LD("Shaft.WIDTH")=1200 ORELSE LD("Shaft.WIDTH")>1200) ANDALSO LD("Shaft.DEPTH")>=1800

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B2.4 DST CONFIGURATION

Combine the rules

- The rules : Added in the matrix column/s are concatenated via **ANDALSO** automatically
- Mixed up **CONDITION** and **MATRIX** rules are also concatenated via **ANDALSO**

SHFRITEM_MATRIX0	SHFRITEM_MATRIX1
LD("Shaft.WIDTH")	LD("Shaft.DEPTH")
>=1000	>=1800
<1000	<1800

LD("Shaft.WIDTH")>=1000 ANDALSO LD("Shaft.DEPTH")>=1800

LD("Shaft.WIDTH")<1000 ANDALSO LD("Shaft.DEPTH")<1800



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B2.4 DST CONFIGURATION

Define sheet groups

- Column **SHEET_NAME**: Path to the dynamic sheet template file in the Datapool
- The file name must be entered without the ending .lds



:\ProgramData\DigiPara\2018\dcc\DataPool\sheet

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B2.4 DST CONFIGURATION

Define sheet groups

- Column SHEET_COUNTRY: Enter a country sign for the template, e.g. UK for United Kingdom or DE for Germany, etc.
 - You don't need to fill this column, if you don't want to configure your DST for different countries.



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B2.4 DST CONFIGURATION

Link the frame groups to the sheet groups

 Hint: If the created Frame Group doesn't get displayed in the SHEETIT_SHFRGRP_RID column, the Sheet Group table must be closed and reopened once, to update the content.



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B2.4 DST CONFIGURATION

Load your DST in DigiPara Liftdesigner



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B2.5

DST Constant Groups



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B2.5 DST CONSTANT GROUPS

Define constant groups

 Can be configured to create your own user storage values per each sheet item depending on your predefined conditions.



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B2.5 DST CONSTANT GROUPS

Link the constant groups to the sheet groups

• Constant Groups can be referenced via the SHEETIT_SHCSTGRP_RID column.

Frame Groups	Constant Grou	ups Sheet Groups	x						Table	view 🕂 🛪
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	7500000	7500000 MyD	ST Sheet Group			0			B-S	Sheet Template Data
SHEE	T_RID SHEE	T_MF_RID SHEET_C	COUNTRY SHEET_NA	ME SHEE	ET_DESC S	HEET_DRIVE_POS	SHEET_SHEETTYPE_RID	SHEET_SHEETGRP	F	Internet Tables (for Reference Models)
⊨ <u> </u>	7500000	7500000 UK	MyDST	My Dynam	nic sheet -	1: Does not matter	0	751		Dunamia Shaet Templates
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_	7500000	7500000	0	0 750	00000: My Dynami	c Bord and Tittle		P	L	- Sheet Groups
	7500001	7500000	1	0 750	00001: My Dyna	mic Frames	7500000: MyDST-View Te	xt 🖌 D		Frame Groups
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B2.5 DST CONSTANT GROUPS

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Link the constant groups to the view frame by using the Data tree

CWT_R





Important: View frame must be saved again after edited.

B2.5 DST CONSTANT GROUPS

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Link the constant groups to the view frame by using the Data tree



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B2.5 DST CONSTANT GROUPS

Load your DST in DigiPara Liftdesigner



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B2.5 DST CONSTANT GROUPS

Load your DST in Liftdesigner

- without running rules (e.g. for testing purposes)
 - The DST loaded without rules doesn't show anything, because no static content is configured in this case

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				Save Sheet Templ	late	Start	Project Sheet Vie	ew Frame Dimensions Visualiz	e CAD Models Develo	p Products Export Opt	ions	
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MyDST-DWG		LD Installation Drawing.lds		21.02.2018 14:51						Properties		÷×
MyDST-ViewFrame		LD Typical Views For Your Elevator.lds		21.02.2018 14:51						Lock Update		
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and OneDrive		LDE_LicenseError.lds		21.02.2018 14:51								
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		LDECommon3D.lds		21.02.2018 14:51								
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B2.5 DST CONSTANT GROUPS

Drawing messages in a constant group

- Liftdesigner standard drawing messages can also be used in SHCSTITEM_RULE column.
- Preparation steps in Liftdesigner:
 - Copy drawing messages

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Drawing Messages										
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🔤 📑 Drawing Messages

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B2.5 DST CONSTANT GROUPS

Drawing messages in a constant group

• Liftdesigner standard drawing messages can also be used in SHCSTITEM_RULE column.

• Corresponding records in Datamanager:

She	eet Gr	roups Frame Gr	roups Constant Groups 💥				depending on the	rule one of the			
Liftdesigner Datamanager: Drag a column header here to group by that column.											
	SH	CSTGRP_RID	SHCSTGRP_MF_RID			SHCSTGRP_DESC					
+ -		7500000	7500000	MyDST-View Tex	t						
<u> </u>	►	7500001	7500000	Drawing Messa	ges Example						
		SHCSTITEM_RID	SHCSTITEM_SHCSTGRP_RID	SHCSTITEM_IX	SHCSTITEM_VARNAME	SHCSTITEM_RULE	SHCSTITEM_CONDITION				
	-	7500003	7500001	1	Drawing_Messages	LDS("") & "External\$(""MSGGRP0.MSG529"")"	LD("Shaft0.Car.CD")<=1500				
		7500004	7500001	2	Drawing_Messages	LDS("") & "External\$(""MSGGRP0.MSG559"")"	LD("Shaft0.Car.CD")>1500				
							•				

LDS("") & "External\$(""MSGGRP0.MSG529"")" OR LDS("") & "External\$(""MSGGRP0.MSG559"")"

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B2.6

DST Distribution



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B2.6 DST DISTRIBUTION

General information

The DST contents (view frames, external blocks, sheets) should always be stored inside the data pool directory



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B2.6 DST DISTRIBUTION

Register module files in database

- via the MODULE FILES table for the module export.
- The paths in the MODF_FILENAME column are always relatively to the data pool directory.



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B2.6 DST DISTRIBUTION

Share your data

- The exported **.ldm12* file is located under Export folder in the current data pool.
 - The usual local path for the Export file: C:\ProgramData\DigiPara\dcc\DataPool\data\Export



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Let's have a break!

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B2.7

Rules for Vertical Sections in Liftdesigner





Detail example 1 – Pit CWT_L

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B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

Create new vertical section (Pit)

CWT_L

- Preparation steps:
 - Create a new vertical section
 - Change description "Vertical Section Pit CWT_L"
 - Change view frame type, component visibility and dimensions

Plan	View from Left	[-] []] ● [-] <u>0</u> 4 早 [-] [] []		Image: switch Imag
	Туре		View Direction	Component Visibility





Scale: 1:50

B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

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Modify new vertical section (Pit)

CWT_L

- Modify:
 - Delete car, car & counterweight ghost
 - Extended dimensions for CWT guide rails and bracket

Vertical Sectinon Pit CWT_L Scale: 1:50

Ov	Overwrites / Annotation 🛛 🗛 🗴										
S	S I 🗈 🛍 🙀 I /1 ▶										
0	Overwrites: Drag a column header here to group by that column.										
	Name	Туре									
	Shaft0.CW.Components.Symbol5.	LOD	0 [0x0]								
	Shaft0.Car.	💩 LOD	0 [0x0]								
	Shaft0.Car.Components.Symbol5.	💩 LOD	0 [0x0]								
	Shaft*.CW.Components.Symbol5.	🧷 Dash	1 [0x1]								
	Shaft*.Car.Components.Symbol5.	🧷 Dash	1 [0x1]								
	Shaft*.Car.Frame.YokeGuide*.Support0.SH0.	🧷 Dash	1 [0x1]								
	Shaft*.Car.RefugeSpace.	🧷 Dash	1 [0x1]								
	Shaft*.Car*.RefugeSpace.	🧷 Dash	1 [0x1]								
	Shaft*.RefugeSpace.	🧷 Dash	1 [0x1]								
	Shaft0.CW.BracketList.	🔏 Extended Dimensions	1 [0x1]								
	Shaft 0. CW. Weight. Guide List 0.	🔏 Extended Dimensions	1 [0x1]								
	Shaft0.CW.Weight.GuideList1.	🔏 Extended Dimensions	1 [0x1]								
►	Sheets.LdvSheet2.LdvFrame2.Map.NOTE#D	Annotation	Vertical Sectinon CWT_L								
	Sheets.LdvSheet2.LdvFrame2.Map.NOTE#SCALE	✓Annotation	External\$("MSGGRP0.MSG4"):								

B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

Define rules for vertical detail section

- CWT_L
- Preparation steps:
 - Create a new rule based detail section
 Y-max/min direction
 Z-max/min direction

ſ	Pro	perties		1	μ	×
	ock Update Sheet frame 5 [LdvFrame5.]		Sheet frame 5 [LdvFrame5.]			
× [3		[3613] De	etail section			^
L		Detail sec	tion	Yes (Rule based)	ĸ	
L		Pick Wind	ow	Yee	ns	
L	~	[3614] Ru	le Based Detail Section: X-Min	Yes (Rule based)		
L		Reference	Object (1)	No		
L		Reference	Treename (1)	Document.		
L		Rule rel. to	oRefObject (1)	-900000000		
		Pick Point	(1)	Pick Point		

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B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

Define rules for vertical detail section

- CWT_L
- Processing examples:
 - Define a rule based detail section: Y-max/min direction

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B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

Define rules for vertical detail section

CWT_L

- Processing examples:
 - Define a rule based detail section: **Z**-max/min direction

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B2.7 DETAIL EXAMPLE 1 – PIT (RULE BASED)

Save own vertical section (Pit)

- Save new vertical section inside the existing folder: MyDST-Viewframe
 - Save view frame: "VerticalSectionPit_CWT_L"

Detail example 2 – Head CWT_L
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B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

Create new vertical section (Head)

- CWT_L
- Processing examples:
 - Create a new vertical section
 - Change description "Vertical Section Head CWT_L"
 - Change view frame type, component visibility and dimensions





Scale: 1:50 Vertical Sectinon Head CWT_L



B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

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Create new vertical section (Head)

- CWT_L
- Processing examples:
 - Delete car, car & counterweight ghost
 - Extended dimensions for CWT guide rails and bracket



Overwrites / Annotation S 🖻 🛍 🏠 1/1 ►		д Х
Overwrites: Drag a column header here to group by that column.		
Name	Туре	N N
Shaft0.CW.Components.Symbol5.	💩 LOD	0 [0x0]
Shaft0.Car.	🖲 LOD	0 [0x0]
Shaft0.Car.Components.Symbol5.	💩 LOD	0 [0x0]
Shaft*.CW.Components.Symbol5.	🧷 Dash	1 [0x1]
Shaft*.Car.Components.Symbol5.	🧷 Dash	1 [0x1]
Shaft*.Car.Frame.YokeGuide*.Support0.SH0.	🧷 Dash	1 [0x1]
Shaft*.Car.RefugeSpace.	🧷 Dash	1 [0x1]
Shaft*.Car*.RefugeSpace.	🧷 Dash	1 [0x1]
Shaft*.RefugeSpace.	🧷 Dash	1 [0x1]
Shaft0.CW.BracketList.	🖧 Extended Dimensions	1 [0x1]
Shaft0.CW.Weight.GuideList0.	🖧 Extended Dimensions	1 [0x1]
Shaft0.CW.Weight.GuideList1.	🖧 Extended Dimensions	1 [0x1]
FLL.Level4.DZ	Dimension	256 [0x100]
Shaft0.CW.Weight.GuideList0.Guide3.LEN	🔨 Dimension	256 [0x100]
Shaft0.CW.Weight.GuideList1.Guide*{IndexFromEnd,-2}.LEN	🖍 Dimension	14156800 [0xd80400]
2220	Dimension Chain	0 [0x0]
Sheets.LdvSheet1.LdvFrame5.Map.NOTE#DESC	Annotation	Vertical Sectinon Head CWT_
Sheets. J.dvSheet1. J.dvErame5.Map.NOTE#SCALE	Annotation	External\$("MSGGRP0.MSG4"):

B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

Define rules for vertical detail section



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2 ()

B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

Define rules for vertical detail section



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B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

Define rules for vertical detail section

CWT_L

- Processing examples:
 - Define a rule based detail section: **Z**-max/min direction

Pro	perties		д :
Loc	k Update Sheet frame 9 [LdvFrame9.]		
~	[3618] Rule Based Detail Section: Z-Min		
	Reference Object (1)	Highest Floor Level	
	Reference Treename (1)	Document.FLL.Level*{Last}.	
	Rule rel. to Ref Object (1)	-0.5*LD("FLL.Level*{Last}.DZ")	
	Pick Point (1)	Pick Point	
	World coordinate (1)	11250	
\sim	[3619] Rule Based Detail Section: Z-Max		
	Reference Object	Highest Floor Level	
	Reference Treename	Document.FLL.Level*{Last}.	
	Rule rel. to Ref Object	LD("Shaft0.MachineryRoom.HEIGH	T")+LD("Shaft0.MachineryRoom.W_O")
	Pick Point	Pick Point	
	World coordinate	30900	
		Can be made sin	anlo
		mathematical calcu	lations



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B2.7 DETAIL EXAMPLE 2 – HEAD (RULE BASED)

Save own vertical section (Head)

- Save new vertical section inside the existing folder : MyDST-Viewframe
 - Save view frame : "VerticalSectionHead_CWT_L"



Detail examples Pit & Head CWT_R

B2.7 DETAIL EXAMPLES PIT & HEAD (RULES BASED)

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Create new vertical sections from existing view frames (Pit & Head)

- CWT_R
- Processing examples:
 - Open the views created for the CWT_L "VerticalSectionPit_CWT_L"
 "VerticalSectionHead CWT L"





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B2.7 DETAIL EXAMPLES PIT & HEAD (RULES BASED)

Modify new vertical sections (Pit & Head)

- CWT_R
- Processing examples:
 - Change the 180 degree orientation of views
 - Change description "Vertical Section Head CWT_R"
 - Change description "Vertical Section Pit CWT_R"
 - Change the position of descriptions



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B2.7 DETAIL EXAMPLES PIT & HEAD (RULES BASED)

Save own vertical sections (Pit & Head)

- CWT_R
- Processing examples:
 - Save new view frame inside the existing folder: MyDST-Viewframe
 - Save view frame name: "VerticalSectionHead_CWT_R"
 - Save view frame name: "VerticalSectionPit_CWT_R"





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B2.8

DST Configuration





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B2.8 DST CONFIGURATION

Define frame groups

Add new frame groups



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B2.8 DST CONFIGURATION

Create dynamic rules for frame groups

Add view frame condition rules via the SHFRITEM_CONDITION column



Data tree

. Component [Components.]

Developer configuration [DevConfiguration.]

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B2.8 DST CONFIGURATION

Link the frame groups to the sheet groups

 Hint: If the created Frame Group doesn't get displayed in the SHEETIT_SHFRGRP_RID column, the Sheet Group table must be closed and reopened once, to update the content.



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B2.8 DST CONFIGURATION

Load your DST in DigiPara Liftdesigner



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B2.9

DST Distribution



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B2.9 DST DISTRIBUTION

Register new module files in database

- via the MODULE FILES table for the module export.
- The paths in the MODF_FILENAME column are always relatively to the data pool directory.

	75.LD Develops		>>			EE 199						
AIO o	7 Steb-Develope	description			Copy BIM	+1	1	/iew V	Vindow	Help		
211 3	sont modules by	Edit Database Settings	-	■Ø C	Components	Grid Cells		irid •	*	*		
<u> </u>		Euro Database Settings		Ond to	0113	Ond Cens		Table v	iew			_
Module	e Files 🗙				Add	Files		Gei Gei	neral Da Basic T	ita ables		
Liftde	esigner Datama	nager: Drag a column header here to group by that column.							Man	ufacture	ers	
	MODF_RID	MODF_FILENAME	MODF_MF_RID	MOD	F_MODE	IODF_MFSI	JP_I		Mod	ule File	s	
<u></u>	7500000	blocks\MyDST-dwg\bord_2h_MyDST.dwg	7500000	0	7	500000: LD-E)eve		Stan	dards	-	
<u> </u>	7500001	blocks\MyDST-dwg\titl_sml_int_DST_myDST.dwg	7500000	0	7	500000: LD-E)eve		CAD	Files		
	7500002	sheets\MyDST-ViewFrame\Plan_CWT_L.ldf	7500000	0	7	500000: LD-E)eve		040	Tiles (
-	7500003	sheets\MyDST-ViewFrame\Plan_CWT_R.ldf	7500000	0	7	500000: LD-E)eve		- CAL	Files a	suppliers	
- <u></u>	7500004	sheets\MyDST.Ids	7500000	0	7	500000: LD-E)eve	±	Drawing	, Relate	d	
-	7500005	$sheets \ MyDST-ViewFrame \ Vertical SectionPit_C \ WT_L. Idf$	7500000	0	7	500000: LD-E)eve	÷.	Progran	n Exten	sions	
	7500006	$sheets \label{eq:massed_sheets} MyDST-ViewFrame \label{eq:massed_sheets} Vertical Section Head_CWT_L.Idf$	7500000	0	7	500000: LD-E)eve	⊡ • Ele	vator Da	ata		
	7500007	$sheets \verb MyDST-ViewFrame VerticalSectionHead_CWT_R.Idf$	7500000	0	7	500000: LD-E)eve	⊕ Eso	calator (Data		
-	750000	sheets\MyDST-ViewFrame\VerticalSectionPit_CWT_R.ldf	750000	0	7	500000: LD-I	Devi	⊕ She	eet Tem	plate Da	ata	
-	/500008						- 1				Settinge	
	7500008							⊡ BIN	1 Config	uration	Gettings	
	7500008	88	-				•	⊞ BIN ⊞ Tra	1 Config nslation	wration & Help		

Don't forget to register new module files!

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B2.9 DST DISTRIBUTION

Share your data

- The exported **.ldm12* file is located under *Export* folder in the current data pool.
- The usual local path for the Export file: C:\ProgramData\DigiPara\dcc\DataPool\data\Export



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B2.10

Sheet Country

 \uparrow



B2.10 SHEET COUNTRY

General information

- Same drawing sheets for different countries or languages does not need to be built up repeatedly from scratch.
 - Register the DST several times for other countries and configure only one global sheet item that will be used for all DST's by defining the SHEET_COUNTRY column and necessary modes (provided that all countries use the same sheet frame item conditions).
 - Translated messages stored in the database ensure multilingual versions of a global drawing sheet. Related training module: B4 – Message and Translations
 - You don't need to fill this column, if you don't want to configure your DST for different countries.

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B2.10 SHEET COUNTRY

Configure a DST for different countries

Add a new sheet group tab: MyDST Sheet Groups (DE)

She	et Groups 🛛 🗙			
Lif	tdesigner Datan	manag	ger: Drag a column header here to group by that column.	
	SHEETGRP_	RID	SHEETGRP_MF_RID	SHEETGRP_DESC
₽-	750	00000	7500000	MyDST Sheet Groups (EN)
	▶ 750	0001	7500000	MyDST Sheet Groups (DE)

•				
Add	L_InternetSheetGroupTab	L_InternetSheetTab	L_InternetSheetItemTab	

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B2.10 SHEET COUNTRY

Configure a DST for different countries

• Add a new sheet tab and record a same dynamic sheet template name in column SHEET_NAME

She	et Groups 🛛 🗙				
Lift	designer Datamanag	er: Drag a column h	neader here to group b	y that column.	
	SHEETGRP_RID	SHEETG	RP_MF_RID		SHEETGRP_DESC
œ-	750000)	7500000	MyDST Sheet Gro	ups (EN)
b-]	7500001		7500000	MyDST Sheet Gro	ups (DE)
	SHEET_RID	SHEET_MF_RID	SHEET_COUNTRY	SHEET_NAME	SHEET_DESC
	▶ 7500001	7500000	DE	MyDST	My Dynamic Sheet Template in German Language
1.					•
Add	J L_InternetShee	tGroupTab	nternetSheetTab	L_InternetSheetIter	mTab
C:\LI	D_POOLS\POOL21\Tra	ining\Data\LD50.mdf	7500000		

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B2.10 SHEET COUNTRY

Configure a DST for different countries

Set the column SHEET_MODE value to "Use dynamic rules from other sheet with the same name"

Sheet	Groups 🗙											
Liftd	esigner Datama	nager	: Drag a	column h	eader he	re to group b	y that col	umn.				
	SHEETGRP_R	D		SHEETG	RP_MF_	RID			SHEETGRP_DESC			
.	7500	0000	7500000			7500000 MyDST Sheet Groups (EN)						
<u>–</u>	7500	0001				7500000	MyDST S	Sheet Gro	ups (DE)			
	SHEET_RI	D S	SHEET_I	MF_RID	SHEET	_COUNTRY	SHEET	_NAME	SHEET_DESC	SHEET_MODE		
L	▶ 75000	001	7	7500000	DE		MyDST		My Dynamic Sheet Template in German Language	1		

Option					
Value:	1				
	Select All	Unselect All			
Status		Designation	Value	List-/Combobox Bit Mask	
V	Use dynamic rules	from other sheet with the same name.	1	0	
	Load sheet multiple ti	imes (according to SHEET_VISIBLE_SHAFT)	2	0	
	Do not replace simila	r previous loaded sheet	4	0	

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B2.11

Summary & custom Q&A's





Congratulations You reached the next level



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Your instructor will be available for individual questions after the module training.

training@digipara.com



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