Takeover of drawings from Euclid in CatiaV5

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1 General information

To take over drawings from „Euclid“ in CatiaV5 the following procedure is necessary:

The euclid drawing number have to be set „in change“ in SAP by Team CAD-Service. Please request this by the following contact: GR-CAD@grammer.com

If required, please request the necessary authorization („Euclid“, „Citrix“ bzw. „Spicer“) via the contact GR-CAD@grammer.com.

To start working in the system „Euclid“, a registration is required, you need also access to work on Citrix-Server.
The assignment of rights also affects the program „Spicer“. In this system the Tiff-files and the DXF-files are created, this files are necessary to take over the drawing from „Euclid“ in CatiaV5.

2 Part drawings (TZ)

2.1 of parts

- 3D: Export STEP oder IGS files from „Euclid“ and import into CatiaV5.
  If no 3D geometry exists, then export „lines“ via DXF.
- The 3D geometry can alternatively be created completely new in CatiaV5.
- 2D: Create the drawing new in CatiaV5 (german/english).
- Example drawing number: 120666
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2.2 of assemblies

- 3D: Assemble from Catia parts.
- 2D: Create the drawing new in CatiaV5 (german/english).
- Example drawing number: 1055774

3 Offer drawings (AZ)

- 3D: Assemble new DMU – For procedure, see training documents for offer drawings in the GRAMMER intranet.
  Please consult Team CAD-Service (GR-CAD@grammer.com“) if no 3D data exist.

- 2D: For procedure, see training documents for offer drawings in the GRAMMER intranet.
  2D-elements such as texts, tables, etc. must be created new in CatiaV5 in principle.

- Exceptions to this rule must be clarified with the Team CAD service in advance.

- Example drawing number: 140868

Description of the exact procedure if <u>no</u> 3D geometry is available (table changes, text change, no geometry changes):

- o Print the drawing(-s) as a PDF-file. With the software „Spicer“ this file can be converted to a DXF-file.

- o Import this DXF file into CatiaV5. Two linked pages are generated. “Model” and “Imported Details”.

- o The page with the “Imported Details” must be deleted, proceed in the following way:

  → Page 1 (Model) → Expand “Main View / Component Instances”.

  → “Explode” “BLOCK_0_” (in the structure tree of the Catia drawing).

  → Then the sheet “Imported Details” can be deleted.

- o If necessary, expand the drawing with new view(-s), modify tables, write changed text in CatiaV5 with text in the title block, attach indices with “text” in the area of change(-s).

Multi-page drawings are assembled in CatiaV5 as follows:

- Import sheet 1 + additional sheets in CatiaV5 as described above. Insert the view **content (not the whole view)** by using “Copy & Paste” into the newly generated sheets.
- The new CatiaV5 takeover drawing will be saved to the “DMU-Connected Drawings” folder in SmarTeam.

4 Spare part drawings (EZ)

4.1 Spare part Kit

- 3D: Assemble from Catia parts.
  If parts are missing, they must be taken from „Euclid“ with the last released index and be released manually by the Team CAD-Service.
- 2D: Create the drawing new in CatiaV5 (german/english).
- Example drawing number: 133040

4.2 Complete seats

- 3D: For procedure, see training documents for spare part drawings in the GRAMMER intranet.
- 2D: For procedure, see training documents for spare part drawings in the GRAMMER intranet.
- Example drawing number: S731-25

5 Assembly drawings (MZ)

5.1 Assembly drawing „exploded“ view

- 3D: Consultation with Team CAD-Service required.
- 2D: IGS or DXF (Print drawing as PDF, then convert to DXF.)

5.2 Assembly drawing „funktional assembly“

- 3D: Consultation with Team CAD-Service required.
- 2D: IGS or DXF (Print drawing as PDF, then convert to DXF.)

5.3 Collective drawing for functional assembly

- 2D: To do this, you have to create a Tiff-file in „Euclid. This file is generated by printing with „Tif_to_Smarteam“.
  You can find the generated file in the directory: “H:/to_archiv”.
- The resulting files are collected in CatiaV5 and merged into a drawing. A mix of CatiaV5 and „Euclid“ drawings is not allowed.