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1 General

Please notify that the import of Draft-data is only possible in EUKLID Design on UNIX platforms, this functionality is not available on Windows NT.

2 Converting of Draft-Data

Please regard the following informations

2.1 End symbols

End symbols of a line are created as effect objects of an UDA (draft_arrow) grouped together as an UDO (draft_container).

The line is a parameter of the UDA. No other relation exists to the line and its end symbols. The line is not a victim of the UDA, in contrast to the description in the user manual.

2.2 Element names

Names generated while the debugging option for name generation is turned on have priority against the original Draft names. In the AQL program all action results are assigned to variables. The generated names are the same as the names of the variables. The names are built like e#####_#, e.g. "e1234_5".

2.3 Plane, hatching

The planes are not connected to the original boundary elements. Hatchings are converted to an UDO (draft_container) containing all the original hatch lines.

2.4 Arcs

Arcs are created as 'circle_cutoptions' manipulating a 'circle_centerradius'.

2.5 Form and position tolerances

The lines and texts which compose a form or position tolerance can be grouped together as an UDO (draft_container) or a group. This can be controlled via the option 'DRAFT_TOLC' in the configuration file or the option 'tolContainer' in the mapping file.

2.6 Variant engineering

The attributes created by the variant engineering system in Draft can be suppressed. This is controlled via the option 'DRAFT_VARK' in the configuration file or the option 'variokeep' in the mapping file.

2.7 Mapping tables

The section 'linetable' has been extended with a supplementary value in each line: the software line type. It will be converted to a parameter of 'draft_arrow' as follows: (values from 0 to 16, 0 = normal line).

```
{ "none_arrow"},
{ "arrow_none"},
{ "none_slash"},
{ "slash_none"},
{ "none_circle"},
{ "circle_none"},
{ "none_triangle"},
{ "none"},
{ "circle_arrow"},
{ "arrow_circle"},
{ "circle_slash"},
{ "slash_circle"},
{ "arrow_arrow"},
{ "slash_slash"},
{ "circle_circle"},
{ "none"}
```

The plane conversion is controlled via the section 'areatable'. Each line has the following parameters:

index color pattern border

Pattern can not be converted yet, due to restrictions in EUKLID Design. The border flag determines if boundary elements are to be deleted (0) or kept (1).

2.8 Configuration file

A template of a configuration file you will find in #/draft/draft_in.iga.
This file can be adapted via the configuration editor.

DRAFT_PFAD	<d>	!	Directory of Draft files This is the directory where the Draft Ascii-Get/Save files are read from
DRAFT_TEMP	<d>	!	Directory for temporary files (not used yet)
DRAFT_ZUOR	<f> "#/draft/draft2objectd.conf"	!	Mapping file
DRAFT_PROT	<d>	!	Directory for protocol files Each conversion will generate two protocol files in this directory: 1. A protocol of the conversion program creating the AQL program. The name of this file is the name of the Draft file stripped of its '.asc' extension and

			<p>supplemented with '.prot'</p> <p>2. A protocol of the runtime messages of the generated AQL file. The name of this file is the name of the Draft file supplemented with '.log'</p>
DRAFT_AQLP	<d>	!	<p>Directory for generated AQL programs</p> <p>The generated AQL files are created in this directory and remain after the conversion.</p>
DRAFT_LANG	english deutsch	!	Language for conversion messages
DRAFT_NAME	false true	!	Create names
DRAFT_MESS	norm meld warn err no	!	Message level
DRAFT_PREP	<f>	!	<p>AQL-Pre-Programm</p> <p>If this AQL program exists it will be run before the conversion</p>
DRAFT_PSTP	<f>	!	<p>AQL-Post-Programm</p> <p>If this AQL program exists it will be run after the conversion</p>
DRAFT_MASS	false true	!	<p>Create EUKLID Design dimensions</p> <p>Corresponds to the option 'dimEnable' of the mapping file. If this is 'false', no EUKLID Design dimensions will be created.</p>
DRAFT_TOLC	true false	!	<p>Create tolerances as Draft container UDO</p> <p>Corresponds to the option 'tolContainer' of the mapping file.</p>
DRAFT_VARK	true false	!	<p>Suppress Attribute of the variant system</p> <p>Entspricht der Option 'variokeep' der Zuordnungsdatei</p>
DRAFT_DBGA	false true	!	<p>Create special attributes as a debugging aid</p> <p>Corresponds to the option 'debugAttributes' of the mapping file</p>
DRAFT_DBGN	false true	!	<p>Create special names as a debugging aid</p> <p>Corresponds to the option 'debugNames' of the mapping file</p>
DRAFT_DBGC	false true	!	<p>Keep original dimensions as a debugging aid</p> <p>Dimensions are first created as an UDO containing the lines and texts of the original Draft dimensions. Then, an attempt is made to create EUKLID Design dimensioning. If this succeeds, the UDO will be deleted and only the dimensions will be kept. If this options is set to true, both representations will be kept.</p>
DRAFT_COMM	false true	!	<p>Create a commented version of the source file</p> <p>A commented copy of the source file is</p>

		made. Setting this option true is only useful if you have knowledge about the internal Draft data structure.
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