Presta atención al siguiente objeto COCO perteneciente a la 7046 MASTER/COCO del ACP

Name **/FBP-GBP**

Type COCO

Lock false

Owner /PIPING.COCO

**Ctype** FBP GBP

Ckey FL

Cocoreference

1 **/FBP-DESC**

2 /GBP-DESC

Attributes

Name **/FBP-DESC**

Type COCDES

Lock false

Owner /PIPING.COCO

Description Flange RF DIN PN16

Coconnection FBP

**Connection Compatibility Tables**

The Connection Compatibility Table (element name CCTA) holds a list of all the compatible connection types for Piping Components in a set project. A CCTA is an administrative element which exists at the same level as CATA in the hierarchy. A CCTA has Connection Compatibility (COCO) elements as its members, each of which has a pair of coded connection types stored as its CTYPE attribute. *These connection types are those referred to in the PCON attribute of a Piping Component’s P-points.*

The commands below give an example of the setting up of a typical connection table.

NEW CCTA

NEW COCO /WELDWELD CTYPE WELD WELD (weld to weld)

NEW COCO /SCRDSCRD CTYPE SCRD SCRD (screwed to screwed)

NEW COCO /WELDBW CTYPE WELD BW (weld to butt weld)

Note: That ISODRAFT uses the connection codes to derive bolting requirements, and so the connection codes used must conform to certain standards - ***refer to Appendix B and the ISODRAFT Reference Guide for details***. Setting up the Connection Compatibility Table should be one of the first tasks to be carried out when commencing a design project using AVEVA E3D™.

If an attempt is made to connect two pipework components in MODEL, *then a check is made to see if the p-leave PCON attribute of the first component and the p-arrive PCON attribute of the second component appear as a matching pair in the connection table.* If there is such a matching pair then the components are connected, otherwise a similar check is made on the p-leave PCON attributes of each component. *If a matching pair is now found, the second component is ‘flipped’* and connected to the first. If no matching pair is found then an ‘incompatible connection type’ error message is output and the second component is left in its original position and orientation.

**COCDES Elements**

COCDES provide the means of associating a long description to a COCO pair.

Create a COCDES element below a CCTA as follows:

NEW COCDES

DESC 'This is a long description of a COCO element'

COCONNECTION FBB

**Connection Compatibility Element (COCO)**

Attributes:

**Name** Name of the element

**Ctype** Connection type

**Ckey** ISODRAFT end condition key

**Cocoreference** COCO description reference

**CREATE A NEW CONECTION**

En CATADMIN/PROJECT\_CATALOG

NEW CCTA NAME /PROJECT\_COCO

NEW COCDES /LJS-DESC Description 'LJS' Coconnection LJS

NEW COCDES /JAD-DESC Description 'JAD' Coconnection JAD

NEW COCO /LJS-JAD Ctype LJS JAD Ckey FL Cocoreference /LJS-DESC /JAD-DESC

NEW COCO /SCF-SCF Ctype SCF SCF Ckey FL

NEW COCO /SWF-SWF Ctype SWF SWF Ckey FL

NEW COCO /SCF-TUB Ctype SCF TUB Ckey BWhttps://help.aveva.com/AVEVA\_Everything3D/2.1/wwhelp/wwhimpl/js/html/wwhelp.htm#href=CSUG/CSUG6.07.3.html

--PARA QUE LAS BRIDAS NO SE den la vuelta una de las teminaciones de la brida debe poder conectarse con p2 del elemnto anterior (O el head).

--En Solvay ocurria que teniamos bridas FBP-SWF, por ello creamos la conexion /BWD-SWF dento de una proyect\_coco con nuestras trampitas.

NEW CCTA NAME /PROJECT\_COCO

NEW COCDES /BWD-DESC Description 'BWD' Coconnection BWD

NEW COCDES /SWF-DESC Description 'SWF' Coconnection SWF

NEW COCO /BWD-SWF Ctype BWD SKF Ckey BW Cocoreference /BWD-DESC /SWF-DESC