Steps to convert CATIA Piping to CAEPIPE / CAESAR II

Step 1:
Install "SST License Manager (SSTLM)" in the PC that is identified as a "Server" for the Translator.

Step 2:
Install "CATIA-to-CAEPIPE" or "CATIA-to-CAESAR II" in the PC's you wish. Please note, both "Server" and "Client" can be installed in the same machine, if you wish.

Step 3:
Launch "CATIA-to-CAEPIPE" or "CATIA-to-CAESAR II" and generate the Product Key. Send the same via email/fax to us. Upon request, you will be provided an "Activation Key" for evaluation.

Step 4:
Activate the product by installing the "Activation Key" provided to you. For details on Step 1 thru Step 4, refer "Security.pdf" supplied with "SST License Manager".

Step 5:
Generate .PCF file (Piping Component File) from Piping Module of CATIA software. Generation of .PCF file correctly from CATIA may require customization of CATIA and should be performed by the Administrator. For details on generating .PCF file, please refer to "CATIA.hlp" supplied along with the product. For details on customizing the .PCF file generation, please refer to "*.pdf" files available in the "Reference" folder of the distribution CD.

If you experience trouble completing step number 5, please contact InfoPlant India – iplant@vsnl.com, as this step may require some customization which is usually performed by the CATIA Administrator.

Step 6:
In CATIA, Material Grades for the piping components are defined in the database by the administrator during the piping catalogue creation. CATIA does not have provision for defining engineering properties of the materials and hence they are not available in the database. On the other hand, Stress Analysis software requires the engineering properties including its temperature related properties for code evaluation. Hence, the translator is supplied with a Mapping DB through which user can define the engineering properties of the materials corresponding to the Material Grades defined in the CATIA Database. For details, please refer to PD2CAEPIPE/PD2CII User's Manual. This activity should be performed prior to the start of conversion of CATIA Piping to CAEPIPE/CAESAR II for the first project. Mapping DB can be appended later with the material properties corresponding to the new material grades that are added into the CATIA Database.

Please note, if the Mapping DB is not updated / modified by the user to suit the project requirement, then the translator will read the engineering properties of the material from the first row of the Mapping DB and write to CAEPIPE/CAESAR II software.

Step 7:
Piping supports modeled in CATIA software should be translated into mathematical supports before they are written to Analysis software.

In order to perform the above said the software is supplied with a Support Mapping DB through which the user can map their Support Configurations to equivalent mathematical supports in CAEPIPE/CAESAR II. For details, please refer to PD2CAEPIPE/PD2CII User's Manual.

Please note, if the Support Mapping DB is not modified by the user to include the right mathematical support definitions, then the translator will transfer all support configurations from CATIA to CAEPIPE/CAESAR II as 'Anchor' or 'Hanger'.

Step 8:
Launch "CATIA-to-CAEPIPE" or "CATIA-to-CAESAR II". Fill in the necessary details and press the button "Transfer".