

Steps to convert PCF Files to CAEPIPE / CAESAR II

Step 1:

Install “SST License Manager (SSTLM)” in the PC that is identified as a “Server” for the “Translator” (PCF to CAEPIPE/CAESAR-II)

Step 2:

Install the Translator on the PC you wish. Please note, both “Server (SSTLM)” and “Client (Translator)” may be installed in the same machine, if you wish.

Step 3:

Launch the translator to generate a Product Key. Send the same via email (activation@sstusa.com) 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 plant design software. Generation of .PCF file correctly from plant design software may require customization by plant design software Administrator. For details, please refer to your plant design software User’s Manual on generating and customizing .PCF files.

Step 6:

In your plant design software, Material Grades for the piping components are defined in the database by the administrator during the piping catalogue creation. Plant design software does not have provision for defining the engineering properties of the materials and hence they are not available in the database. On the other hand, Stress Analysis software (CAEPIPE or C-II) requires the engineering properties of the materials defined and are mandatory. 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 plant design software database. For details, please refer to PD2CAEPIPE/PD2CII User’s Manual. This activity should be performed prior to the start of conversion of PCF 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 plant design software 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 plant design 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 PCF to CAEPIPE/CAESAR II as an ‘Anchor’ or a ‘Hanger’.

Step 8:

Launch the translator (“PCF-to-CAEPIPE” or “PCF-to-CAESAR II”). Fill in the necessary details and press the “Transfer” button.