

WORLDSKILLS TRADE COMPETITION

national phase, May 30, 2024

Computer Aided Design Section

TOPICS

1. Starting from the piece represented with the name **Subject_1**, to create 3D model of the part. Material assigned to the 3D model: Aluminum 6061.
2. Starting from the piece represented with the name **Subject_2**, to create 3D model of the part. Material assigned to the 3D model: Aluminum 6061.
3. Starting from the model of the piece represented in the file Subject_3.f3d , create the 2D drawing in pdf format.

Requirements:

- The drawing must be framed in an A3 template, units of measurement: mm, scale 1:1 drawing.
- The drawing will contain the minimum number of orthogonal projections and sections (as many as are necessary for an unambiguous understanding of the drawing), as well as the axonometric view.
- The correct recording of the dimensions, the recording of the roughness for some surfaces, as well as at least one deviation in shape and/or position will be taken into account. A note will also be inserted in the execution drawing technique.

The indicator will be completed with the following data:

ÿ in the *Dept field*: **Worldskills**; ÿ in the

Technical_Reference field: **the material from which the piece is made will be entered**;

ÿ in the *Created by field*: **the name of the competitor**; ÿ in the

Title field: **Subject_3**; ÿ in the *Approved*

by field: **Evaluation committee**.

4. Starting from the 3D model created in topic 1, create the rendered image with a resolution of 1280*720 and export the resulting file in JPG format.