

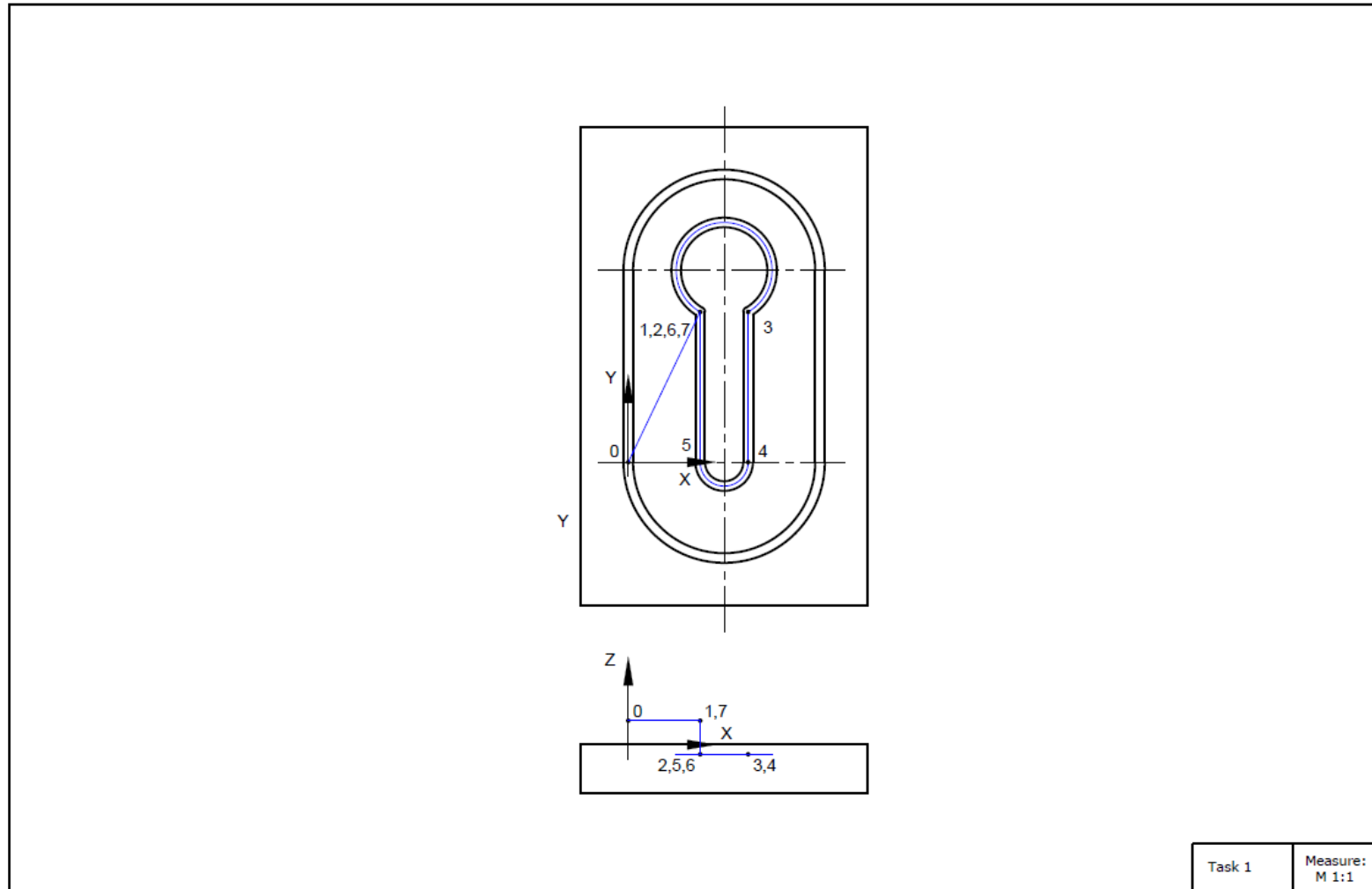
Field of education:
Mechanical engineering

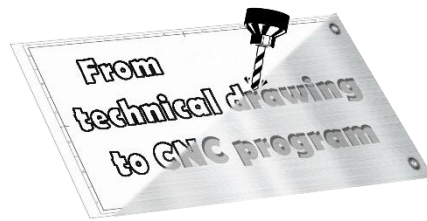
Professional qualification:
CNC operator

Exercise:
**Programming of CNC machine
(solution)**

Variant:
Task 25 – Support plate 3.2.

Solution:





Required written code that should be inserted into the control unit:

G0 X15 Y31,34

G1 Z-2

G2 X25 R-10

G1 Y0

G2 X15 R5

G1 Y31,34

Z5

M30

Explanation of the G-code:

%Setting the coordinate system x=0, y=0, z=5; point 0

G0 X15 Y31,34 %Positioning at the starting point; point 1

G1 Z-2 %Tool entry into material; point 2

G2 X25 R-10 %Radial milling; point 3

G1 Y0 %Straight milling; point 4

G2 X15 R5 %Radial milling; point 5

G1 Y31,34 %Straight milling; point 6

Z5 %Lifting of tool

M30 %End of program