



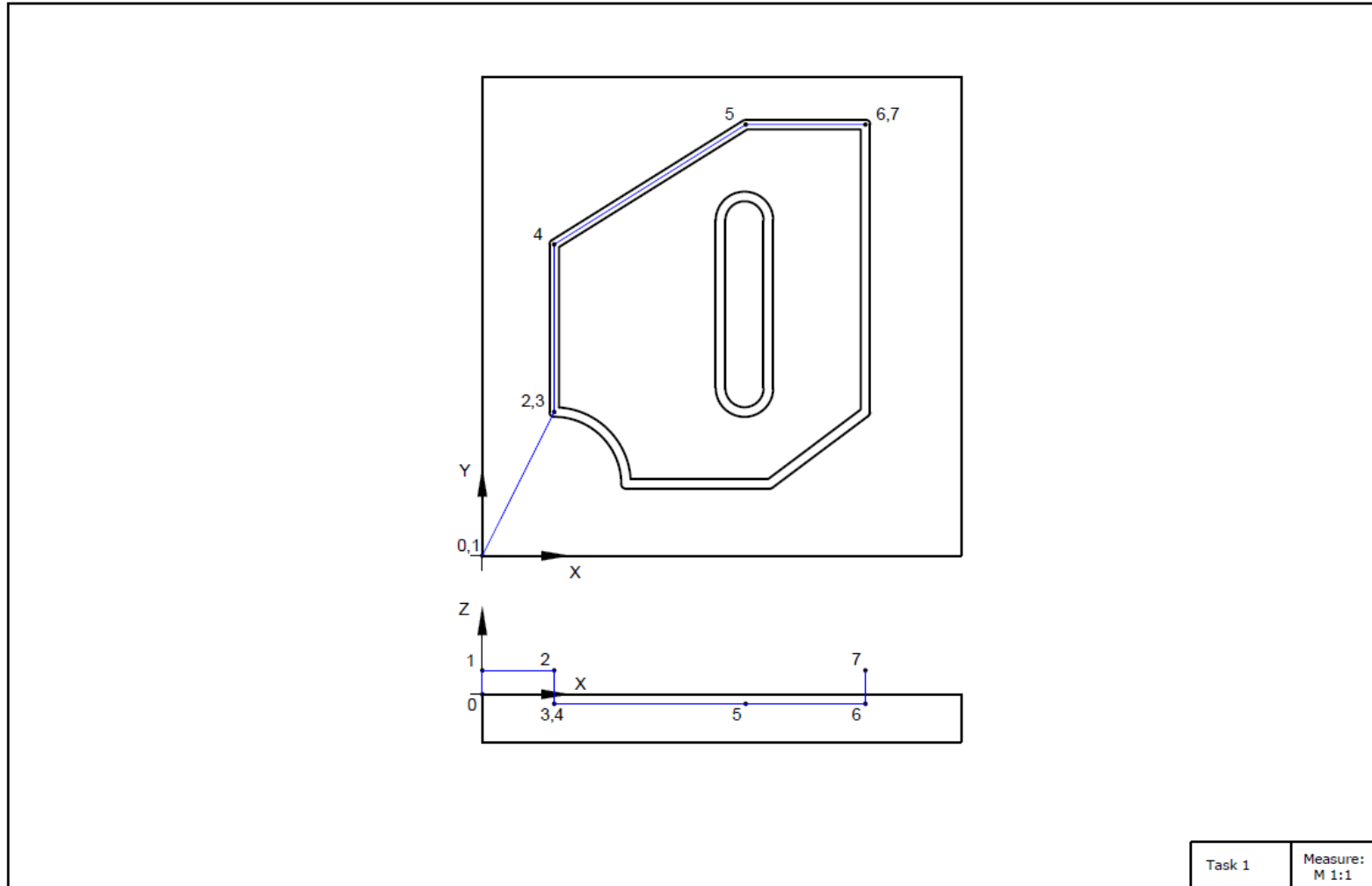
Field of education:
Mechanical engineering

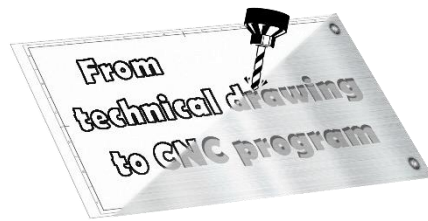
Professional qualification:
CNC operator

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

Variant:
Task 21 – Support plate 2.1.

Solution:





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

G0 Z5

X15 Y30

G1 Z-2

Y65

X55 Y90

X80

Z5

M30

Explanation of the G-code:

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

G0 Z5 %Lifting of tool; point 1

X15 Y30 %Positioning at the starting point; point 2

G1 Z-2 %Tool entry into material; point 3

Y65 %Straight milling; point 4

X55 Y90 %Straight milling; point 5

X80 %Straight milling; point 6

Z5 %Lifting of tool; point 7

M30 %End of program