

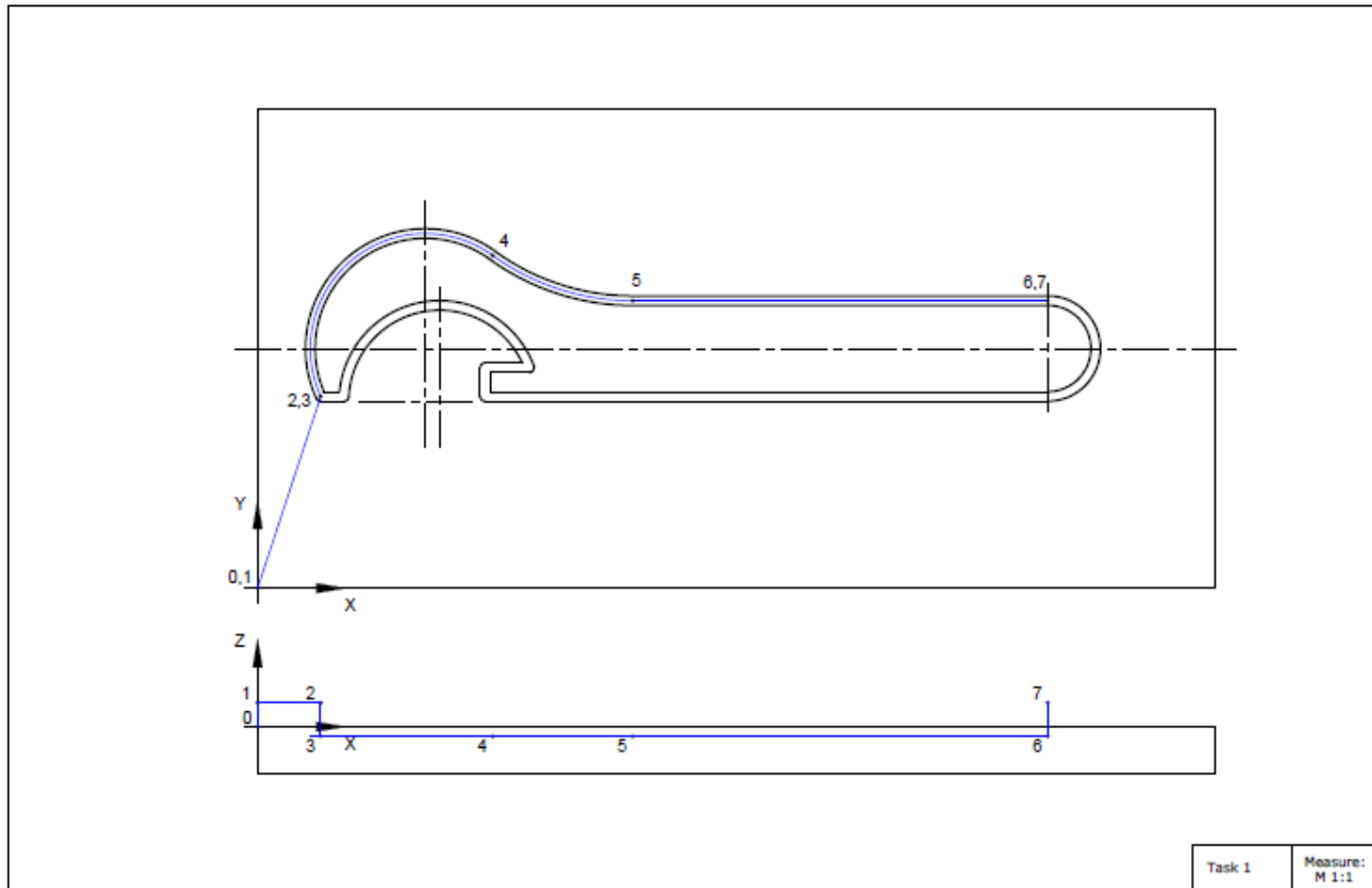
Field of education:
Mechanical engineering

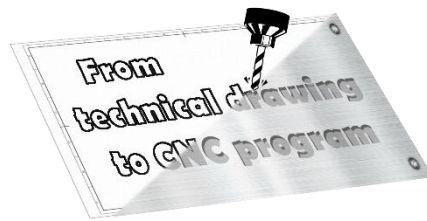
Professional qualification:
CNC operator

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

Variant:
Task 11 – Wrench 4.1.

Solution:





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

G0 Z5

X13,183 Y40

G1 Z-2

G2 X49,047 Y69,459 R24

G3 X78,313 Y60 R50

G1 X165

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

X13,183 Y40 %Positioning at the starting point; point 2

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

G2 X49,047 Y69,459 R24 %Radial milling; point 4

G3 X78,313 Y60 R50 %Radial milling; point 5

G1 X165 %Straight milling; point 6

Z5 %Lifting of tool; point 7

M30 %End of program