**Instructions for the development of case study projects**

For each section the following, must be applied:

a) Case Study name: name the exercise

b) Qualification (example for a Welding Qualification): Fillet Welder, Plate Welder, Tube Welder, Welding Engineer, Welding Technologist, Welding Specialist, Welding Practitioner, Welding Inspector Level Basic, Welding Inspector Level Standard, Welding Inspector Level Comprehensive

c) Subject title: topic of the case study project

d) Learning Outcome(s): specific knowledge, skills, or expertise being evaluated by the question

e) Completion Time: indicate the exact duration to complete the exercise

f) Assessment Criteria: identify which are the assessment criteria that will be considered to determine the performance of the student/trainee

g) Summary: provide an overview about the practical assessment itself; identify the goal(s) in a teaching perspective (e.g., practical demonstration of metal transfer modes (dip, globular, spray and pulsed), controlled transfer mode and their application)

h) Instructions: provide a full description of the steps or tasks needed for conducting the exercise/case study; when applicable: indicate the minimum and maximum number of students/trainees per group

i) Resources Needed: indicate the resources (e.g., materials and equipment) are necessary for supporting the execution of the practical assessment (e.g., Welding Procedures Specifications (WPS), drawings, standards, PowerPoint, etc. (the supporting material have to be attached to the study case project); when applicable: describe where the exercise is performed, and which conditions may have influence in the performance of the exercise/case study (e.g., classroom with adequate light; welding shop, etc.)

j) Solution: provide the solution for the practical assessment case by explaining the correct reasoning for solving a specific problem, case, etc. when applicable: provide information about the assessment methods/tools and criteria (e.g., verify if results are matching with the LOs; comparative analyses of group answers and working-out major keys (trainers); quality of the outputs/products; reasoning behind the problem resolution, etc.)

**Case study projects template**

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| Case Study name: |
| Qualification: |
| Subject title: |
| Learning Outcome(s): |
| Completion Time: |
| Assessment Criteria: |
| SUMMARY (detailed presentation of the exercise/case study) |
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| INSTRUCTIONS (steps and tasks necessary to conduct the case study) |
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| RESOURCES NEEDED (identification and their attachment) |
|  |
| SOLUTION |
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