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**ARCTIC SKILLS 2021**

Arctic Skills:

Competitions have a duration of 4 hours, with start time pungt kl1000 Swedish time and ends at 1400 Swedish time. Time for lunch (break) is 1200 to 1230 There are then opportunities for stays in other premises

Emergency situations:

In the case of unwanted incidents, there are applicable rules at the relevant competition venue which apply at any given time. The same applies to the measures of infection protection, as are the current rules at the current competition arena, and applicable national rules in the current country.

Referee:

Judge in the competition is the individual's participant's subject person

Russia : Dimitrii Strannik

Norway : Roy Tommy Fagerheim

Health and safety:

When carrying out the task, it is mandatory to use personal protective equipment such as:

-Protective shoes

-Workwear according to the task

-Goggles

- Welding mask

- Gloves

- Hearing protection

It is also mandatory to use welding extraction, welding sheld

Compilation of torch box stand**:**

1. Put positions 1 and 3 together (inserted), take a picture of the workpiece before it can be welded. The parts are then welded together with the right welding method (Tig 141 Kilsveis,Exterior corner) Take a picture of the workpiece of the welds after welding.
2. The rest of the torch box is put together and The Dot,(Pos 2,4 and 5) take a picture of the workpiece before it is fully welded. (preferably from several different angles) From above, from 3 pages, and preferably undenifra). The stand is then welded fully standing, using the right welding methods (Mag 135, MMA 111) Take pictures of the workpiece fully welded. (preferably from several different angles. From above, from 3 pages, and preferably undenifra).

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**ARCTIC SKILLS 2021**

Assessment skema:

|  |  |
| --- | --- |
| Participant: |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Criteria for assessment | Minus points | Max points | Achieved score |
| Health and safety | 2 points in deduction for:  -Not used required protective clothing  -Not used personal protective equipment -Do not use shielding  -Do not use welding extraction  -Do not clean during and after exercise |  | 10 |  |
| Sum |  |  | 10 |  |

Health and safety

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**ARCTIC SKILLS 2021**

Assessment skema:

Tig welding of pos 1 and 3, wedge-weld exterior corner.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Criteria for assessment | Minus points | Max points | Achieved score |
| Compilation | 2 points in deductions for:  -Errors in assembly |  | 2 |  |
| Welding  performance | 2 points in deduction for:  -Incorrect welding method  -Not filled up welding joint (missing -fill material)  -Edge wound pores  - guide speed |  | 8 |  |
| Sum |  |  | 10 |  |

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**ARCTIC SKILLS 2021**

**Assessment skema:**

Mag welding of torch stand, Pos 2 and 4, Kilsveis horizontal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Criteria for assessment | Minus points | Max points | Achieved score |
| Compilation | 2 points in deductions for each foot:  - Errors in assembly |  | 6 |  |
| Welding performance | 2 points in deductions for each foot:  -Fault welding method  - Not filled up welding joint (missing -fill material)  - Edge wound  -Pores  - Welding speed |  | 30 |  |
| Sum |  |  | 36 |  |

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**ARCTIC SKILLS 2021**

**Assessment skema:**

Mag welding of torch stand, Pos 1 and 2, Kilsveis ascending vertically

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Criteria for assessment | Minus points | Max points | Achieved score |
| Compilation | 2 points in deductions for each foot:  -Errors in assembly |  | 6 |  |
| Welding performance | 2 points in deduction for each foot:  -Incorrect welding method  -Not filled up welding joint (missing -fill material)  -Edge wound pores  - guide speed |  | 24 |  |
| Sum |  |  | 30 |  |

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**ARCTIC SKILLS 2021**

**Assessment skema:**

Mma welding of pos 1 and 5.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Criteria for assessment | Minus points | Max points | Achieved score |
| Compilation | 2 points in deductions for:  -Errors in assembly |  | 2 |  |
| Welding  performance | 2 points in deduction for:  -Incorrect welding method  -Not filled up welding joint (missing -fill material)  -Edge wound pores  - guide speed |  | 8 |  |
| Sum |  |  | 10 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Total assessment of completed task | Max points | Minus points | Achieved score |
| Helth and seafty | 10 |  |  |
| Tig welding of pos 1 and 3 | 10 |  |  |
| Mag welding of torch stand, Pos 2 and 4 | 36 |  |  |
| Mag welding of torch stand, Pos 1 and 2 | 30 |  |  |
| Mma welding of pos 1 and 5. | 10 |  |  |
| Leakage test: 2 points in deduction for:  -Leakage in tig weld (pos 1 and 3)  -leakage in Mma weld (Pos 1 and 5) | 4 |  |  |
| Sum | 100 |  |  |