

Electronique - Confirmés

Summary of the contest:

Assembling electronic components, building and testing of a basic circuit / connecting the circuit based on the electronic scheme and guidelines and according to general knowledges from the industry domain.

Running of the contest:

The duration of the contest will be maximum 6 hours.

It consists in assembling an electronic system following the requirements and the guidelines, candidates must verify the proper functioning of their electronical system. Participants should define the test series to make, choose the right measurement equipments and interpret the results in order to make the appropriate adjustments.

When a circuit fails, candidates must identify, fix and replace faulty components

Main skills required:

Be able to:

- ✓ Read and interpret technical shemes
- ✓ Assemble and connect electronical elements through brazing and welding
- ✓ Realise wiring of an electronical system
- ✓ Verify that the protocol is matching with the performance expected
- ✓ Identify a failure and fix it
- ✓ Make tests and proceed to maintenance and adjustments on an electronical system

Rating criteria:

- ✓ Organization of the work, components management
- ✓ Diagnosis of the failure
- ✓ Quality of brazing and wiring
- ✓ Functioning of the electronic circuit
- ✓ Proper functioning of the system
- ✓ Cleanliness of the work (nothing like soiling, dirt, print must remain on the printed circuit board or on the base frame).