

QUALITY ASSURANCE

- Reliability prediction of component parts, equipment and systems
- Reliability testing of component parts, equipment and systems
- Burn-in testing of component parts, equipment and systems
- Environmental testing of component parts, equipment and systems
- Attesting of component parts, equipment and systems



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Quality Assurance

Permanently quality improvement of ours existing products and service, and quality assurance of new products represent one of our basis business policy (politics).

IRITEL's Quality and Environmental management's policies are based on national and international reference standards SRPS ISO 9001:2015, SRPS ISO 14001:2015, SRPS ISO 45001:2018, SRPS ISO/IEC 27001:2022 and COPC 9000/21.

Testing determin conformity of product characteristics to standards, technical regulations and specification: Serbian standards (SRPS), international standards (ISO, IEC, CEE) and military standards (SNO, MIL).

Environmental Testing

In our environmental testing laboratory we simulate the environmental conditions to which various products are exposed.

We simulate the conditions to which electrical devices are exposed during both, transportation and operation.

We simulate extreme temperature and humidity in various combinations.

Climatic exposures:

- Cooling up to -80°C
- Heating up to $+100^{\circ}\text{C}$
- Humidification study state and cyclic, from $+10^{\circ}\text{C}$ to $+90^{\circ}\text{C}$, and 10% to 98% relative humidity
- Salt mist testing

Mechanical resistance:

- Test samples can be exposed to diverse mechanical impacts on all three axes:
- Sinusoidal vibrations at constant frequency
- Sinusoidal vibrations at changing frequencies (frequency range from 5 Hz to 2000 Hz with accelerations up to 50 g)
- Bump testing with accelerations up to 40 g

IP testing:

IP testing helps us to confirm the level of protection against access to dangerous parts, ingress of solid foreign objects (major objects, testing finger, thorn, wire, dust), and ingress of water.

