



# CERTIFICATE

of seismic qualification of field instrumentation equipment by company  
**ZPA Nová Paka, a.s.**  
for operating conditions at nuclear power plants

Company Rizzo Associates Czech, a.s. hereby declares, that following field instrumentation equipment:

- Resistance temperature devices, type series 112, 212, 241, 242, 243, 244, 251, 252
- Thermoelectric temperature sensors, type 312, 341, 342, 343, 344, 351, 352
- Temperature sensors accessories - wells and lugs type 991
- Valve program type 961, 964, 966, 967, 971, 972, 973, 975, 981, 986
- Other range of products of ZPA Nová Paka, a.s.

manufactured by company ZPA Nová Paka, a.s. were subject to type seismic qualification and vibration aging tests according to the conditions of standards IEC 980:1993, IEC 60068-2-6 and IEC 60780:2001.

The equipment was seismically tested by simulated earthquake according to required response spectra for uni-axial tests in the level of SA 27g and ZPA 7g and also by one-frequency tests according to RIM - 4.5g.

Qualified equipment was evaluated in terms of requirements for seismic capability for operating conditions in nuclear power plants with seismic hazard level up to 0.35g PGA and

**its seismic and functional capability  
for operation on nuclear - energetic equipment was proven.**

Results of performed qualification are valid under conditions specified in qualification documentation and upon conditions defined in technical documentation supplied with the equipment.

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Prepared by: Markéta Remišovská

Approved by: Jan Sedláček