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### **About Modern Requirements for Seismic Resistance Design and Evaluation of Seismic Safety of Ukrainian NPPs**

According to Articles 22 and 24 of the Law of Ukraine “On Nuclear Energy Use and Radiation Safety” and with the aim of improving the regulatory and legal documents regulating nuclear and radiation safety of nuclear installations, the regulation “Requirements for Seismic Resistance Design and Evaluation of Seismic Safety of Ukrainian NPPs: NP 306.2.208-2016” was developed. The paper presents modern requirements included into NP 306.2.208-2016. The emphasis was done on new requirements that were not previously available in PNAE G-006-87, but should be taken into account both in the design of new NPP units and in the assessment/reassessment of seismic resistance of operating units.

*Keywords: earthquake, seismic hazard, seismic resistance, seismic design, seismic reassessment.*