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Sommario/riassunto	This publication by the International Atomic Energy Agency (IAEA) focuses on the seismic systems used in decision-making processes at nuclear power plants. It addresses the importance of these systems in ensuring the safety and integrity of nuclear facilities, particularly in the face of earthquakes. The book discusses how seismic data is utilized to assess potential damage and guide actions following seismic events. It serves as a technical reference to complement IAEA safety standards, providing insights into recent experiences and practices in seismic safety for both new and existing nuclear installations. The intended audience includes professionals in nuclear safety, engineers, and regulatory bodies.