

Technical Meeting on Experience in Codes and Standards for Fusion Technology

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Type: **Invited Speaker**

Introduction of Korean DEMO and Korea's Experience with Codes and Standards

K-DEMO is a conceptual design project led by Korea to demonstrate the feasibility of a fusion power plant, targeting net electricity production, tritium self-sufficiency, and structural integrity under operational and accidental conditions. Its development requires not only advanced technology but also a regulatory framework tailored to fusion-specific hazards, such as tritium management and activated materials. Korea has accumulated practical experience through ITER participation, domestic safety assessments, and international collaborations. The experiences related to codes and standards have been consolidated through Korea's participation in ITER, the design of KSTAR, and various research activities in the field of fusion.

Technical Categories Addressed

Other Systems

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