

ITER's Experience in Codes & Standards for the Engineering of Tokamaks

This presentation provides an overview of ITER's experience in selecting, adapting, or developing mechanical Codes & Standards for the design and construction of Tokamak components such as magnets or Vacuum Vessels and their internal components. Particular attention will be given to aspects unique to fusion, such as Electro-Magnetic loading, cryogenic temperatures, and vacuum environments. The discussion will encompass the historical background, the status and the lessons learned. Finally a plan aimed at enhancing the dissemination of ITER's experience within the fusion community will be shared, an initiative intended to support other fusion stakeholders in establishing practical design & construction rules that could be used for the engineering of Tokamaks.

Technical Categories Addressed

Structural materials

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