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Overview of US ITER Domestic Agency progress

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US ITER continues to make strong progress in its contributions to the ITER project, with ~25% (as of Feb. 2017) of First Plasma deliveries completed. In 2017, the US completed its toroidal field coil conductor contributions and will also complete delivery of steady state electrical system hardware. The central solenoid modules are now in fabrication at General Atomics in Poway, California, while support structures for the solenoid are in fabrication across the US and Europe. The US Department of Energy recently approved the “performance baseline” of the US ITER First Plasma project, which is a strong validation of US project performance. Other US contributions are continuing in design and fabrication. The US scope includes the tokamak cooling water system, ion and electron cyclotron heating systems, fueling and disruption mitigation systems, vacuum piping and roughing pumps, plasma diagnostic systems, tritium processing and Instrumentation & Controls. Progress of the US ITER Domestic agency will be presented including utilized technologies and lessons learned.

Eligible for student paper award?

No

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