

**US ITER Forum
Activity Proposal Form**

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What is the scope of your proposed activity?

Design and test the equipment needed to remotely maintain ITER components, and provide remote handling design support to the designers of PFCs, divertor, vacuum vessel, heating system, fueling system, etc.

In which phase(s) would the activity be conducted?

Pre-construction (2003-5) Construction (2006-13) Research (2014-34)

In which phase(s) would the US benefit be realized?

Pre-construction (2003-5) Construction (2006-13) Research (2014-34)

What do you see as the US interest in the programmatic area of your proposed activity?

Remote Handling R&D and design is recognized as a major challenge facing all burning plasma experiments; therefore, developing maintainable subsystems and components is mandatory for successful operation of these machines.

For design and fabrication activities, what do you see as the US interest in performing the design and fabrication scope in your proposed activity?

- Extend the base of remote handling expertise into the operating phase of ITER.
- Extend the present level of US remote handling expertise to a higher level.
- Create a role for US industry to provide significant equipment in the form of lifting systems, manipulators, and remote handling tools.

Indicate the nature(s) of the proposed activity:

- US preparations for Negotiations
- US preparations for the Construction Phase
- US preparations for the Research Phase

- R&D and design work
- Fabrication of US components/systems
- Preparation of tools for the Research Operations Phase
- Other: _____