



## Technical Summary

### Call for Nomination

# Design, Prototype, Qualification, Manufacture and Supply of integrated vacuum extensions (bellows, tooling, flanges)

## 1. Purpose

The purpose of this Contract is to design, prototype, qualify, manufacture and supply integrated vacuum extensions for the ITER Disruption Mitigation System (DMS) and potentially other systems.

## 2. Background

ITER is the next generation fusion experiment and is presently being constructed at Cadarache, in southern France. This experiment will study the potential of controlled nuclear fusion to provide safe, clean and virtually limitless energy for humankind. In order to protect the machine from the consequences of uncontrolled plasma disruptions during high power operation, a Disruption Mitigation System (DMS) is being designedm (operati)1(1 40.0000153 35.040nem )









