

# OFES Base Program in Diagnostics Development

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# OFES Diagnostics

- OFES Diagnostics Development Program – open competition in FY07 for funding that starts in FY08: New and Renewal
- Financial Assistance Funding Opportunity Announcement published Feb. 1, 2007
  - “Development of Diagnostic Systems for Magnetic Fusion Energy Sciences Experiments” (DE-PS02-07ER07-10)

# OFES Diagnostics

- The Announcement can be accessed on the Office of Science Grants and Contracts website at:  
<http://www.science.doe.gov/grants/FAPN07-10.html>.
- The Announcement has also been posted in the DOE Industry Interactive Procurement System (IIPS) which can be accessed at:  
<http://e-center.doe.gov/>
- A synopsis has been posted on the Grants.gov website and can be accessed at: <http://grants.gov/>
- It can also be found on the OFES Home Page at:  
<http://www.science.doe.gov/ofes/programnews.shtml> (Program News)  
and <http://www.science.doe.gov/ofes/solicitations.shtml> (Solicitations & Awards)

# OFES Diagnostics

- This Announcement is for Grants only (universities and industry)
- There will not be a parallel announcement for the DOE National Labs
  - Expect to compete labs in ~one year
    - Will continue existing lab programs at ~current level of funding – You will need an FWP!
    - There will be no NEW lab starts in FY08

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- This Announcement is for Base program only
  - Proposed measurement must be of benefit to the research program of a fusion facility that is or is expected to be in operation before the end of the 3-year grant period (Note: this excludes ITER-specific diagnostics)
  - Relevance to ITER is certainly OK, but may or may not be a consideration in the ranking of a proposal

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- Letter of Intent is **REQUIRED**
  - Due March 5, 2007
  
- Proposals due April 3, 2007

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- Be prepared for closeouts:
  - There has been no increase in the diagnostics development budget since the last competition for FY02 \$\$
  - There is an increased upper limit to the allowed yearly budget as compared to previous competition
  - And, I anticipate some new researchers coming into the program

# OFES Diagnostics

- Why no ITER-specific diagnostics?
  - It would not be possible to preserve the base diagnostics development program and also fund ITER-specific diagnostics within the current budget
  - Because of the difficulty in comparing the relative importance of proposals that are ITER-specific diagnostics vs. diagnostics for everything else, we would have to do separate competitions anyway
    - So...will there be a competition for ITER diagnostics?

# OFES Diagnostics

- How will we fund the R&D for U.S. ITER credited diagnostics and research opportunities for uncredited diagnostics?
  - Some of the research under the existing OFES programs is relevant to R&D for U.S. ITER credited diagnostics and for uncredited diagnostics (e.g., collective scattering, lost alpha detectors, reflectometry, interferometry, MSE, ECE...)
  - Beyond that, I don't know