

NSUF LOI and Pre-Application will be combined in to a NSUF Access Request that is due November 8, 2017

The NSUF Access Request will replace the NSUF LOI and NSUF Pre-Application. The NSUF Access Request (Part IV, C.1) is a document that combines many elements of the LOI and Pre-Application. The NSUF Access Request narrative must include the following:

- Title of the project
- Identification of primary NSUF Technical Lead(s)
- Identification of NSUF facilities and equipment
- Proposing and associated institutions
- Co-PIs and associated institutions
- Type of project (irradiation/PIE, irradiation-only, PIE-only, or beamline)
- Applicable workscope: NEAMS-2, NSUF-1 for R&D support with NSUF Access (specify workscope subpart [e.g., 1.3c]) or NSUF-2 for NSUF Access Only
- A detailed relevancy statement including a description of why the project is relevant to DOE-NE mission
- A summary of the proposed project, including a description of the project and a clear explanation of its importance and relevance to the objectives.
- Major deliverables and outcomes the R&D will produce.
- Timeframe for execution of proposed project (specify if the R&D is for a one-, two-, or three-year period or up to seven years for NSUF).
- Source, scope and duration of R&D funding associated with request for NSUF Access Only (NSUF-2 only).
- **A summary of the readiness of the project for NSUF access (as described in Part I, Section B.2.1)**

Applications to NSUF-1, NSUF-2, and NEAMS-2 worksopes will require a NSUF Access Request that is **due on November 8, 2017**.

NSUF Access Requests and Full Applications require a description of readiness

NSUF-1, NSUF-2 and NEAMS-2 Applicants must demonstrate readiness for NSUF access. In the NSUF Access Request, a summary of readiness is required. In the full application, a detailed description of readiness is required. To demonstrate readiness the following items need to be addressed:

The following items must be completed prior to requesting NSUF access:

- Development and qualification of fabrication techniques, processes and methods
- Pre-irradiation characterization (physical, mechanical, thermal, chemical and other applicable properties)
- Material interaction studies (at irradiation conditions)
- Corrosion studies (at irradiation conditions)

A plan for delivery of fuel or material must be addressed with specific attention to the following:

- Structural and cladding materials for neutron irradiation must be supplied to NSUF three months after project initiation (provide supplier commitments and lead times) in order for the material to be machined to proper sample configuration prior to encapsulation.
- For previously irradiated fuels and materials not residing in the NSUF Fuels and Materials Library, the location (as specific as possible), condition, provenience, pedigree, radioactivity levels, isotopic content, material composition, configuration, ownership, and any other available information that will be needed in order to ship and/or prepare the fuel or material for examination must be identified.
- For any fuels or materials supplied for the purpose of neutron irradiation, the applicant must own and have full authority to transfer ownership and title (free of any liens, claims of ownership, or other liabilities) to DOE.
- For fuels or materials coming from other DOE programs (not NSUF), a statement of program commitment is required.

Prior to final selection, both Access Requests and applications for NSUF access will be reviewed by the NSUF Program Office to verify the project is ready for NSUF access. Access Requests and applications deemed not ready for NSUF access will not be considered. Awarded projects that are found to not be ready for NSUF access may be cancelled.

Full applications for NSUF-2 workscopes due on May 17, 2018

After the initial submission of a NSUF Access Request, applications for NSUF-2 workscopes will follow a different schedule than other CINR workscopes to allow time for the NSUF feasibility review. **NSUF-2 full applications are due on May 17, 2018** and award announcements for NSUF-2 are anticipated to occur in early August 2018.

NSUF Statement of Work Submittals

NSUF Statements of Work, for invited applications, must be submitted using the online application at neup.gov. The Statement of Work will be appended to an already submitted NSUF Access Request. NSUF-1 and NEAMS-2 Statements of Work are due on January 12, 2018 and NSUF-2 Statements of Work are due on April 26, 2018.