

Director's Discretionary (DD) Allocation Review Form

Version 2.0
4/27/2010

Reviewer: _____

Proposal Title: _____

PI: _____

1. Project Classification

a. Does one of the OLCF project roles coincide with the proposed project objectives and goals? If not, why?

OLCF Project Roles:

- Leadership Computing Preparation (6-12 month duration) is reserved for exploratory pilot projects and potential next-generation INCITE project.
- Strategic Partnerships (6-12 month duration) is reserved for projects aligned with strategic and programmatic directions in the DOE and ORNL. Motivation is program development, science output, or new partnerships. Specific interests include bioenergy, nanoscience, geosciences, energy storage, engineering sciences, and climate.
- Application Performance and Data Analytics (6 month duration) is reserved for projects typified by R&D computer science support focused on maximizing scientific application efficiency and productivity on leadership computing platforms, e.g. application performance benchmarking, analysis, modeling, and scaling studies or end-to-end workflow, visualization, data analytics.
- INCITE Scaling (1-3 month duration) is reserved for projects needing to complete application performance benchmarking, analysis, modeling, and/or scaling

2. Application Readiness

a. Discuss the technical readiness of the project, e.g. are the codes ready to run, have they been optimized for the requested resources, do the computation and I/O scale well, has the applicant presented evidence that they can effectively perform single simulations using a major fraction of the system requested?

b.	What best describes the computational readiness of this project?	Ready	Not Ready
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After completing the form, please fax or email it to the OLCF Accounts Team at
865-241-4011 or accounts@ccs.ornl.gov

3. Scientific Merit of the Project (Answer only if qualified)

(Give an overall rating: 1 = lowest 5 = highest)

1 2 3 4 5

- a. What important problem does this application address and what is the likelihood that it can make high-impact scientific or technical advances in its field through the use of a large allocation of high-end computing resources? How does the proposed research compare with other research in its field and related disciplines in terms of scientific merit and originality? Comment on the qualifications of the principal investigator and other key personnel to successfully execute this project.

4. Reasonableness and Appropriateness of the Requested Allocation

(Give an overall rating: 1 = lowest 5 = highest)

1 2 3 4 5

- a. Assess the reasonableness of requested allocation. If requesting multiple resources, comment on merit of multiple resources. Where appropriate, suggest revised allocation amounts.

5. Recommendation

Allocations of computing resources are issued via a competitive process designed to ensure maximum impact of the research conducted at the center. The LCF model is to limit the number of accepted applications, thereby working closely with a select group of projects.

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|----|---------------------------------------|-------------------|------|-------------|
| a. | What best describes this application? | NOT
ACCEPTABLE | GOOD | OUTSTANDING |
|----|---------------------------------------|-------------------|------|-------------|

Additional comments and suggestions are encouraged.

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