

TEMPORARY CHANGE REQUEST

TCR NO. TCR-O-005, R1-001

(e.g., TCR-ENG-021-001)

The Temporary Change Request (TCR) Form is to be used to process urgent or minor changes for PPPL Policies, Organization/Mission Statements and Procedures. The TCR should be used when changes are:
1) urgent, and can not wait the 2-4 week period for Department Head review/comment, or
2) minor, and do not warrant Department Head review.

Person Requesting Change: J. Randall Wilson

Department Name: Off Site Research Dept. Phone Ext: 2061

Document Number: O-005 Revision No.: 1

Document Title: Off Site Research Dept. Mission Statement

Reason for change: Minor editorial and grammatical changes.

Change description: (Summarize and attach changed pages, with changes clearly indicated)

Small changes to description resulting from 3-year review. Extend effective date for 3 years.

1. Does this TCR significantly alter the intent or scope of the document? YES:___ NO:X

2. Does this TCR significantly impact **ES&H**? YES:___ NO:X

If 1 or 2 is **YES**, Explain why the changes should not be routed for Department Head review:

J. Randall Wilson

Department/Division Head Approval

3/13/06

Date

J.W. Anderson, Jr.

Head, ES&H and Infrastructure Support/designee

3/15/06

Date

Release/Effective date of this TCR: 3/16/06

Incorporate this TCR into next revision of this document? Yes X No_

PPPL	PRINCETON PLASMA PHYSICS LABORATORY	ORGANIZATION/ MISSION	No. O-005 Rev 1 page 1 of 2
	Subject: Off-Site Research Department Mission Statement	Effective Date: April 22, 1999	Initiated by: Head, Off-Site Research
Supersedes: O-005, Revision 0 "Physics Department Charter"		Approved: Director	

INTRODUCTION

PPPL's Off-Site Research Department supports the conduct of excellent research on remote facilities, in pursuit of the goals of the U.S. fusion energy sciences program and the PPPL Mission.

The Department members perform research to increase understanding and develop the knowledge base for an attractive fusion concept.

- on tokamaks, the research focuses on advanced control and diagnosis of the profiles of plasma current pressure and transport, on improvement of stability by feedback control of wall modes and neoclassical tearing modes, and on an understanding of wave-particle interactions relevant to burning plasmas.
- on alternate concepts, the research focuses on exploration and advancement of promising toroidal magnetic concepts, and application of diagnostic and analysis techniques to increase understanding.

The Department members facilitate performance of forefront MFE research on leading facilities world-wide by:

- identifying opportunities for mutual benefit with remote program leaders,
- extending US discoveries to the international program, and
- importing international discoveries into the U.S. program.

Scientific collaborations at remote sites are an essential part of the PPPL institution since they provide opportunities for access to the leading facilities world-wide to address the key issues in fusion energy science research. PPPL's conduct of off-site research is expected to be a long-term component of the laboratory's program.

ORGANIZATIONAL STRUCTURE

The Off-Site Research Department consists of three elements:

- DIII-D Research,
- C-Mod Research, and
- International Collaborations.

RESPONSIBILITIES

- The DIII-D Research team performs and supports research on the DIII-D tokamak at General Atomics in LaJolla, California;
- The C-Mod Research team performs and supports research on the C-Mod tokamak at the Massachusetts Institute of Technology in Cambridge, Massachusetts; and
- The International Collaborations team performs and supports research on the Joint European Torus tokamak in England, on the JT-60U tokamak in Japan, on the Large Helical Device stellarator in Japan, the KSTAR device in South Korea and on other facilities overseas.
- The Department achieves these goals by providing direction, support, and services, and by fostering an environment that encourages technical excellence, innovation and creativity, and professional growth while assuring quality, worker safety and health and protecting the environment.
- The Department's elements work with the Experimental Department for diagnostics and RF technology development activities, the Theory Department and the CRPG for integrated theory and modeling support and with the Engineering and Technical Infrastructure Department for computing, electrical engineering, mechanical engineering, and engineering analysis work.
- The Department's scientists interact with the Science Focus Groups at the Laboratory for topical integration and support and for inter-project scientific coordination.
- In addition to scientific personnel, experienced engineers and highly skilled technicians are contributing to the operations teams at remote sites and participate in the design, construction and installation of upgrades and modifications to these devices.