

AMENDMENT V TO THE AGREEMENT
BETWEEN THE JAPAN ATOMIC ENERGY RESEARCH INSTITUTE
AND THE UNITED STATES DEPARTMENT OF ENERGY
ON COOPERATION IN DOUBLET III PROJECT

Whereas the Japan Atomic Energy Research Institute (hereinafter referred to as "JAERI") and the United States Department of Energy (hereinafter referred to as "DOE") have been cooperating satisfactorily on the Doublet III Project pursuant to the Agreement between them signed on August 28, 1979, as amended four times on July 29, 1983, on May 19, 1988, on July 1, 1992, and on June 12, 1996 (hereinafter referred to as "the Agreement");

Whereas the Joint Research Program has demonstrated significant achievements in producing high-beta and improved-confinement plasmas in transient and quasi-steady state by means of active current profile control, in producing high density improved-confinement plasmas with radiative improved mode of operation under the advanced tokamak concept, in stabilization of resistive wall mode, and in carrying out exploratory electron cyclotron current drive experiments;

Whereas the newly installed high triangularity upper divertor and the existing lower pumped divertor in the DIII-D facility is expected to explore the advanced divertor capabilities, the inside launch pellet injector is expected to improve the fueling efficiency for high density operation, and application of the high power electron cyclotron current drive for the tailoring of local current profile is anticipated to further enhance the performance of advanced tokamak in steady-state;

Whereas JAERI and DOE (hereinafter referred to as "the Parties") desire to pursue aforementioned promising lines of research; and

Whereas the Parties wish to continue their present cooperative activities under the Agreement for an additional term of four years;

NOW THEREFORE, pursuant to paragraph 5 of Article VIII of the Agreement, the Parties have agreed to amend the Agreement as follows:

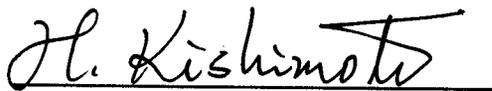
1.Paragraph 4 of the Article II of the Agreement shall be amended by deleting the phrases "limiter and divertor configurations" and "increased heating power and improved divertor configurations" and replacing them with "single-null and double null divertor configurations" and "increased electron cyclotron current drive capabilities, improved divertor configurations and newly installed pellet-launching system" respectively.

2.Paragraph 1 of the Article VIII of the Agreement shall be amended by deleting the phrase "August 28, 2000" and replacing it with "August 28, 2004".

IN WITNESS WHEREOF, this Amendment has been signed in duplicate in the English and Japanese languages, both being equally authentic, to be effective as of August 29, 2000.

FOR THE JAPAN ATOMIC ENERGY
RESEARCH INSTITUTE

FOR THE UNITED STATES
DEPARTMENT OF ENERGY



Hiroshi Kishimoto
Executive Director
JAERI

N. Anne Davies
Associate Director for
Fusion Energy Sciences
Office of Science

Date: August 18, 2000

Date: August 18, 2000