Statement of

Idaho State University (ISU) & Idaho Accelerator Centre (IAC),
University of Texas (UT) at Austin & Texas A&M University, and
U.S. DOE

on the scientific working programme of the U.S. Reactor-Accelerator Coupling Experiments (RACE) project, in close co-operation with the European sponsored integrated project EUROTRANS.

During the Second EUROTRANS/ECATS Meeting dated April 20, 2005 in Brussels Belgium, the Third ADSS Workshop dated June 1-2, 2005 in Pocatello Idaho USA, and a Collaboration Meeting dated June 2, 2005 at IAC Pocatello, the above mentioned partners discussed with representatives of EUROTRANS the working programme of the Domain DM2 ECATS (Experimental activities on the Coupling of an Accelerator, a spallation Target and a Sub-critical blanket) of EUROTRANS.

DM2 ECATS aims to provide validated experimental input from relevant experiments at sufficient reactor power (100 kW) on the coupling of an accelerator, a target and a sub-critical blanket in order to assist the design of XT-ADS and European Facility for Industrial Transmutation (EFIT). These experiments should provide design input on the dynamics and experimental techniques of such a coupled system with feedback effects, together with shielding, safety and licensing issues.

The above mentioned partners agree to extend the present RACE project to support the needs of the EUROTRANS project, especially the validation of the generic dynamic behaviour of an ADS in a wide range of sub-critical levels, sub-criticality safety margins and thermal feedback effects. The initial planned US experiment, which is considering a ~10kW reactor core power for ~1kW electron beam power, will be extended to ~100kW reactor core power for ~30kW electron beam power. This will be obtained by changing the target material.

The Draft Outline Implementation Plan of the RACE project for the full duration of DM2 ECATS was discussed and a path forward was defined during the Collaboration Meeting on June 2, 2005.

The above partners agree to exchange scientific-technical staff (especially Masters, PhD, and Post Doctoral students) with the EUROTRANS partners so as to use this unique opportunity of co-ordination of human resource and training tools.

The above partners expect the EUROTRANS Consortium to contribute to the extended RACE project as discussed and agreed during the Collaboration Meeting on June 2, 2005.

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Agreed upon June 3, 2005