

1. Main research topics (repeat for every major topic)

Title	prototype production for ITER CODAC
Short description (max. 200 words)	Production of 7 units of ATCA-PTSW-AMC4 and 7 units of ATCA-PTSW-AMC4_RTM including PCB manufacturing, component procurement and prototype assembly and test.
Specific targets	ITER CODAC
Milestones	Prototypes ready to deliver to ITER
Timeline	1st quarter 2012 ?

Title	ATCA-PTSW-AMC4 firmware
Short description (max. 200 words)	Development of firmware modules for control of ATCA-PTSW-AMC4 programmable hardware components.
Specific targets	ITER CODAC
Milestones	Completion of all the required firmware routines needed for required ATCA-PTSW-AMC4 hardware functionalities at ITER.
Timeline	Throughout 2012

Title	Fiber optic RTM
Short description (max. 200 words)	Development of an additional RTM for PCIe over fiber optics (to be confirmed)
Specific targets	ITER CODAC (?)

Milestones	Completion of schematic and layout files
Timeline	Throughout 2012

3. Expected output

	Objectives	Performance indicators
Papers, contributions to conferences, patents, reports, etc	Contributing with papers in conferences as well as with scientific reports of work progress.	Acceptance for publishing of one paper in international journal