

## Competencies MST1

### General experimental and modelling competencies (eligible for IPP & non-IPP staff)

Competencies can be either as experimentalist (e.g. CTE-E) or modeller (e.g. CTE-M). This is reflected in the drop-down menu of Form B in Annex 4.

<b>Id</b>	<b>Competency</b>
CTE	Core transport expert
DPE	Disruption physics expert
DPSE	Divertor and SOL plasma physics expert
ECRFE	Electron cyclotron resonance heating expert
EME	ELM mitigation expert
EPEE	Edge, Pedestal & ELM expert
EQE	Equilibrium expert: Pressure and current profiles
FPE	Fast particle expert
GBRE	Gas balance and recycling expert
ICRFE	Ion cyclotron resonance frequency heating expert
ISE	Impurity seeding expert
ITE	Impurity transport expert
MHDE	MHD expert
NBIE	Neutral beam heating expert
PF	Particle fuelling expert
PWIE	Plasma wall interaction expert
RTE	Real Time Control Expert (includes all control tools)
SDIE	Scenario development and integration expert
TE	Turbulence analysis expert
3DE	3D physics expert

### Competencies for high level analysis of diagnostics and support for their operation (only eligible for non-IPP staff). Work to be performed on-site.

<b>Id</b>	<b>Competency</b>
BE	Bolometer expert
CXE	Charge exchange (incl. FIDA) expert
ECEE	ECE & ECEI expert
FIDE	Fast Ion Diagnostic Expert (incl. CTS)
FILDE	Fast Ion Loss Diagnostic expert
IDAE	Integrated Data Analysis expert
IPE	Interferometry expert
IRE	Infrared thermography expert
MSEE	Motional stark effect expert
NPAE	Neutral particle analyser expert
LPMBE	Langmuir Probes
LIBE	Lithium beam expert
PUVSE	Passive VUV and XUV spectroscopy expert
PVSE	Passive visible spectroscopy expert
RME	Reflectometry expert
SXRE	Soft X-ray expert
TSE	Thomson scattering expert
XRSE	X-ray spectroscopy expert