

NCSX Glossary

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AC	Alternating Current (Measure of Current)
BES	Beam Emission Spectroscopy Diagnostics
CADD	Computer Aided Design and Drafting
CAMAC	Computer Aided Monitoring and Control (Computer Control System)
CDR	Conceptual Design Review
CH	Department of Energy Chicago Operations Office
CHERS	Charge Exchange Recombination Spectroscopy Diagnostics
CRB	Change Review Board
CS	C-Site at PPPL
DAS	Data Acquisition System (Computer Control System)
DCS	Document Control System
DOE	Department of Energy
EA	Environmental Assessment
ECH	Electron Cyclotron Heating Auxiliary Heating System
EF	PBX-M Edge Field Coils
EPICS	Experimental Physics and Industrial Control System (Part of Central I&C Systems)
ESAT	Experimental Systems Assembly and Testing
ES&H	Environmental, Safety, and Health
FDR	Final Design Review
FWP	Department of Energy Field Work Proposal
G&A	PPPL General and Administrative (Indirect) Expenses
GDC	Glow Discharge Cleaning (Either Argon [Ar] or Helium [He])
GE	General Electric (Manufacturer of the Existing PBX-M Ohmic Heating Coil)
GHz	Giga-Hertz (Measure of Frequency)
GRD	General Requirements Document
I&C	Instrumentation and Control
ICH	Ion Cyclotron Heating Auxiliary Heating System
ICRF	Ion Cyclotron Radio Frequency Auxiliary Heating System
IWO	DOE Inter-DOE Work Order (Contracting Vehicle Between DOE Labs)
JET	Joint European Tokamak (Existing Large European Tokamak)
JT-60U	Japanese Tokamak (Planned Upgrade to the Existing JT-60 Tokamak)
LHCD	Lower Hybrid Current Drive Auxiliary Heating System

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MAST	Mega-Ampere Spherical Tokamak (European Spherical Torus)
MIE	Major Item of Equipment (NCSX will be designed and fabricated under this category)
MG	Motor Generator
MHD	Magnetohydrodynamics Diagnostics
MHz	Mega-Hertz (Measure of Frequency)
MOU	Memorandum of Understanding (Between PPPL and ORNL)
MSE	Motional Stark Effect Diagnostics
MW	Megawatt (Power)
NBI	Neutral Beam Injection Auxiliary Heating System
NCSX	National Compact Stellarator Experiment
OFES	Department of Energy Office of Fusion Energy
OH	Ohmic Heating
ORNL	Oak Ridge National Laboratory
PAC	Program Advisory Committee
PBX-M	Princeton Beta Experiment - Modified (Existing Tokamak at PPPL)
PCS	Project Control System
PDR	Preliminary Design Review
PDS	Project Definition Statement
PDX	Princeton Divertor Experiment (Predecessor to PBX-M at PPPL)
PEP	Project Execution Plan
PF	Poloidal Field
PFCs	Plasma Facing Components
PG	Department of Energy Princeton Group Office
PHA	Pulse Height Analyzer Diagnostics
PLT	Princeton Large Tokamak (Decommissioned Tokamak at PPPL)
PPPL	Princeton Plasma Physics Laboratory
PRD	Physics Requirements Document
PVR	Physics Validation Review
QA	Quality Assurance
QAP	Quality Assurance Plan
QC	Quality Control
RAID	Redundant Array of Inexpensive Discs (Part of I&C Systems)
R&D	Research and Development
RF	Radio Frequency
RTOS	Real Time Operating System (Part of I&C Systems)

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S-1	Spheromak 1 (Decommissioned Experiment at PPPL)
SAD	Safety Assessment Document
SEMP	System Engineering Management Plan
SF	Shaping Field Coils
TEC	Total Estimated Cost => measure of cost target for NCSX, will include Title I through Title III design, manufacturing development, physics requirements definition and analyses in support of the design, and assembly/fabrication and testing of the NCSX systems and device.
TF	Toroidal Field
TPC	Total Project Cost
URL	Uniform Resource Locator (Internet Identifier)
VB	Visible Bremsstrahlung Radiation Diagnostics
VIPS	Visible Impurity Probe Spectroscopy Diagnostics
WBS	Work Breakdown Structure
WWW	World Wide Web