

## Codes, standards & qualifications

	Codes and standards	Type of SSCs	Safety Class
1	ASME Boiler and Pressure Vessel Code Section III	Pressure Vessel, Tank, Heat Exchange, Pump, Valve, Piping, Support and Core Support Structure	1 & 2
2	ASME Boiler and Pressure Vessel Code Section VIII	Pressure Vessel, Tank, Heat Exchanger	3
3	ASME Code B16.34	Valve	3
4	ASME Code B 31.1	Piping	3
5	API 610	Pump	3
6	BS EN 13001, BS EN 15001, ASME Code NOG-1	Crane and Hoist	1&2

	Codes and standards	Type of SSCs	Safety Class
1	IEC 60964, IEC 61227, IEC 61772, IEC 61839	Control Panel	all
2	IEC 62271- series IEC 60947- series	Switch Gear	all
3	IEC 60034- series	Motor, Generator	all
4	IEC 60044- series IEC 60076- series	Transformer	3
5	IEC 60880, IEC 60987, IEC 61226, IEC 61513, IEC 62138	Control and Instrumentation	all

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The following are the quality related codes and standards on important materials:

	Codes and standards	Safety Class
1	ASME Code Section III NCA-3800	1 & 2
2	EN 10204 Type 3.2	1 & 2
3	EN 10204 Type 3.1	3

Codes and standards related to manufacturing, mainly related to welding and non-destructive testing are shown below:

	Codes and standards	Safety Class
1	ASME Code Section III NX-4000	1 & 2 (3)
2	ASME Code Section IX	1 & 2 (3)
3	ISO 15607, ISO 15614-1, ISO 9601-1	3 (1 & 2)
4	ISO 9712 (EN 473)	1 & 2 (3)
5	SNT-TC-1A	3 (1 & 2)