








This chart outlines general norms within the regions, but is not intended to be an inclusive list. The IEC is often used where there are no national standards.

Description	International 	Australia 	Canada 	China 	European Union 	Russia 	United States 
Hazardous Location	IEC 60079 Series	AS/NZS 60079 Series	C22.2 25/30/157/213 (Div.) C22.2 60079 Series (Zone)	GB 3836 Series	EN 60079 Series	GOST 30852 Series	FM 3600 Series (Division) UL 60079 Series (Zone)
Fire Alarm System Performance	ISO 7240 Series	AS 1670 Series AS 7240 Series	ULC S527	GB 4717 GB 16806	EN 54 Series	GOST 53325	FM 3010 UL 864
Flame Detector Performance	ISO 7240-10	AS 7240.10	ULC S571	GB 15631 (IR) GB 12791 (UV)	EN 54-10	GOST 53325	FM 3260
Smoke Detector Performance	ISO 7240-7/-12	AS 3786 AS 7240.7/-12	ULC S531	GB 24979	EN 54-7/-12	GOST 53325	FM 3230 UL 268
Heat Detector Performance	ISO 7240-5	AS 7240.5	ULC S530	GB 24979	EN 54-5/-6	GOST 53325	FM 3210
Combustible Gas Detection Performance	IEC 60079-29-1	AS/NZS 60079.29.1	C22.2 152 C22.2 60079-29-1	JJG 693 GB 15322.1	EN 60079-29-1	GOST 13320 GOST R 52350.29.1	UL/FM 60079-29-1
Combustible Gas Detection Recommended Practice	IEC 60079-29-2	AS/NZS 60079.29.2	C22.2 60079-29-2	—	EN 60079-29-2	—	UL/FM 60079-29-2
Combustible Gas Detection Safety Instrumented System	IEC 60079-29-3	AS/NZS 60079.29.3	—	—	EN 60079-29-3	—	—
Combustible Gas Detection Open Path Performance	IEC 60079-29-4	AS/NZS 60079.29.4	—	—	EN 60079-29-4	GOST 13320 GOST R 52350.29.4	UL/FM 60079-29-4
Toxic Gas Detection Performance	IEC 62990-1 (pending)	AS/NZS 4641	—	JJG 9155	EN 45544 Series	GOST 13320	ISA 92.00.01
Toxic Gas Detection Recommended Practice	IEC 62990-2 (pending)	—	—	—	EN 45544-4	—	ISA 92.00.02
Toxic Gas Detection Open Path Performance	—	AS/NZS 4641	—	—	—	GOST 13320	ISA 92.00.04
Oxygen Detection Performance	IEC 62990-3 (pending)	AS/NZS 4641	—	JJG 365	EN 50104	GOST 13320	ISA 92.04.01
Manufacturing	ISO 9001 ISO/IEC 80079-34	ISO 9001 ISO/IEC 80079-34	ISO 9001 ISO/IEC 80079-34	ISO 9001 ISO/IEC 80079-34	EN 9001 EN 80079-34	ISO 9001 ISO/IEC 80079-34	ISO 9001 ISO/IEC 80079-34
Design	ISO/IEC 61508 Series ISO 17025	ISO/IEC 61508 Series ISO 17025	ISO/IEC 61508 Series ISO 17025	ISO/IEC 61508 Series ISO 17025	EN 61508 Series EN 17025	ISO/IEC 61508 Series ISO 17025	ISO/IEC 61508 Series ISO 17025