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**Appendix 1 of [SMAR Notice No.34 2019]**

**Scope of Products Changing from Production License to Compulsory Certification**

Scope of products	Implementation rules of Compulsory Certification	Product category and code	Scope of application
Explosion-proof electrical products	CNCA-C23-01:2019 Implementation rules of Compulsory Product Certification - Explosion-proof Electrical Products	1. Explosion-proof motors (2301)	Motors with center height ≤160 mm or rated power ≤15 kW, motors with 160 mm < center height ≤ 280 mm or 15 kW < rated power ≤ 100 kW, motors with 280 mm < center height ≤ 500 mm or 100 kW < rated power ≤ 500 kW, motors with center height > 500 mm or rated power > 500 kW
		2. Explosion-proof electric pumps (2302)	Electric pumps with rated power ≤15 kW, electric pumps with 15 kW < rated power ≤ 100 kW, and electric pumps with rated power > 100 kW
		3. Explosion-proof power distribution equipment (2303)	Distribution boxes (cabinets), power maintenance boxes, connection boxes, junction boxes, power supply (cabinets), filter (cabinets), power compensation devices, rectifier (cabinets), power converters (switching devices)
		4. Explosion-proof switches, control and protection products (2304)	Switches (switch boxes and cabinets), buttons (button boxes), circuit breakers, control cabinets (boxes, devices, consoles), relays, operation (boxes, tables, columns), protectors (protection boxes), protection devices, driller consoles, release devices, driver controllers, speed control devices, breakers, remote control transmitters (receivers), choppers
		5. Explosion-proof starters (2305)	Starters, soft starter, frequency converters (boxes), reactors
		6. Explosion-proof transformers (2306)	Mobile substation, transformers (transformer boxes), voltage regulators, mutual inductors
		7. Explosion-proof electric actuators and solenoid valves (2307)	Electric actuators, electric valve actuators, electropneumatic valve positioners, electric valves, solenoid valves, electromagnets, electromagnetic heads, electromagnetic coils, electric check valves, electric shut-off valves, control valves, electric/pneumatic converters, brakes, thrusters
		8. Explosion-proof connectors (2308)	Electrical connectors, safety pins (including plugs and sockets), pin switches
		9. Explosion-proof monitoring products (2309)	Cameras, tripod heads, monitors, monitoring stations (substations), repeaters, transmission interfaces, video servers, displays (display instruments, screens, boxes), computers, industrial control computers (including accessories), sound and light (language, speech, signal, static electricity) alarm devices
		10. Explosion-proof	Intercoms, loudspeakers (electric horns), telephones, players, calling stations,

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		communication and signaling equipment(2310)	base stations, switches, optical transceivers, tandem switches, signal couplers, amplifiers, distributors, expanders, network (line) terminals, isolators, sound boxes, tappers, signaling devices, electric bells (electric whistles), communication interfaces, annunciators (instruments, boxes), indicators, network access devices, bridges, drivers, gateways, transmitters, receivers, signal (photoelectric, data) converters
		11. Explosion-proof air-conditioning and ventilation equipment (2311)	Refrigeration (heating) air conditioners or units, dehumidifiers, fan-coil units, fans, fan heaters, electric fans
		12. Explosion-proof electric heating products (2312)	Electric heaters, electric heaters, electric heating tapes, electric tracing bands, electric heating rods, electric heating plates, electric heating tubes
		13. Explosion-proof accessories and Ex components (2313)	Threading boxes, distribution boxes, sealing boxes, flameproof enclosures, flexible connecting pipes, cable entries, stuffing boxes, plastic fans (blades), connection terminals, terminal lugs, pipe joints, insulators
		14. Explosion-proof instruments and meters (2314)	Collectors (collector boxes), counters, encoders, decoders, card readers, identifiers, designation cards, identification cards
		15. Explosion-proof sensors (2315)	Photoelectric sensors, speed sensors, temperature (humidity) sensors, state sensors, acoustic (optical) sensors, pyroelectric (infrared) sensors, tension sensors, smoke sensors, coal blocking (coal level) sensors, touch sensors, tear sensors, yaw sensors, damper sensors, voltage (current) sensors, inclination sensors, magnetic (Hall) sensors, feed sensors, proximity switches (sensors), delay sensors, on-off (emergency stop) sensors, material sensors, position (displacement, travel) sensors
		16. Safety barriers (2316)	Zener safety barriers, isolation safety barriers, safety energy limiters (modules), safety couplers, intrinsically safe power supply
		17. Explosion-proof instrument boxes (2317)	Instrument boxes, instrument panel, instrument cabinets, watt-hour meter boxes
Household gas appliances	CNCA-C24-01:2019 Implementation rules of Compulsory Product Certification - Household Gas Appliances	1. Household gas cookers (2401)	Gas cookers with rated thermal load per burner $\leq 5.23$ kW
		2. Household gas water heaters (2402)	Water heaters with rated thermal load not greater than 70 kW
		3. Gas hot water heaters (2403)	Appliances with rated thermal load not more than 70 kW, maximum working water pressure for heating not more than 0.3 MPa, and working water temperature not more than 95°C, and with atmospheric burner or fan-assisted burner or fully premixed burner, used for heating and hot water or for heating

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Household refrigerators with a calibrated volume of more than 500 L	CNCA-C07-01:2017 Implementation rules of Compulsory Product Certification – Household and Similar Equipment	1. Household refrigerators and food freezers (0701)	Household refrigerators and food freezers with a calibrated volume of more than 500 L