

# Focused on a safe and reliable petroleum and natural gas industry

For more than 60 years, CSA Group has developed and maintained an internationally recognized portfolio of petroleum and natural gas standards solutions that address requirements for the design, construction, operation, and maintenance of pipelines, as well as underground storage and liquefied natural gas. Standards in this area also cover subjects such as emergency preparedness and response, damage prevention, well design, process safety management, land use planning, and offshore structures.

## Suite of CSA Group Oil and Gas Standards

### Z662 – Petroleum and Natural Gas Industry Pipeline Systems and Materials

CSA Z662*	Oil and gas pipeline systems
CSA Z245.1	Steel pipe
CSA Z245.6	Coiled aluminum line pipe and accessories
CSA Z245.11	Steel fittings
CSA Z245.12	Steel flanges
CSA Z245.15	Steel valves
CSA Z245.16	Induction bends
CSA Z245.17	Cold bends
CSA Z245.20 Series	Plant-applied external coatings for steel pipe (Series includes Z245.20, Z245.21, and Z245.22)
CSA Z245.20	Plant-applied external fusion bond epoxy coating for steel pipe
CSA Z245.21	Plant-applied external polyethylene coating for steel pipe
CSA Z245.22	Plant-applied external polyurethane foam insulation coating for steel pipe
CSA Z245.30	Field-Applied External Coatings for Steel Pipeline Systems

### Z246 – Security Management for Petroleum and Natural Gas Industry Systems

CSA Z246.1*	Security management for petroleum and natural gas industry systems
CSA Z246.2*	Emergency preparedness and response for petroleum and natural gas industry systems

### Z247 – Damage Prevention for the Protection of Underground Energy and Utility Networks

CSA Z247*	Damage prevention for the protection of underground infrastructure
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### Z260 – Pipeline System Safety Metrics

CSA Z260*	Pipeline system safety metrics
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### Z276 – Liquefied Natural Gas

CSA Z276*	Liquefied natural gas (LNG) - Production, storage, and handling
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### Z341 – Storage of Hydrocarbons in Underground Formations

CSA Z341 Series	Storage of hydrocarbons in underground formations
CSA Z341.1	Reservoir storage
CSA Z341.2	Salt cavern storage
CSA Z341.4	Salt cavern waste disposal

### Z620 – Flaring, Venting and Fugitive Emissions

CSA Z620.1 ( <i>withdrawn</i> )	Reduction of fugitive and vented emissions for upstream petroleum and natural gas industry systems
CSA Z620.2*	Compressor seal vent gas flow rate testing and recording
CSA Z620.3*	Flaring, Incineration and Enclosed Combustion

### Z624 – Well Integrity Management

CSA Z624	Well integrity management for petroleum and natural gas industry systems
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### Z625 – Well Design

CSA Z625	Well design for petroleum and natural gas industry systems
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### Z663 – Land Use Planning

CSA Z663*	Land use planning in the vicinity of pipeline systems
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\* Available in English and French