

ISO 19723-1:2025-12 (E)

Road vehicles - Liquefied natural gas (LNG) fuel systems - Part 1: Safety requirements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Requirements	4
4.1	Design	4
4.1.1	General	4
4.1.2	Components	5
4.2	Refuelling	8
4.2.1	General	8
4.2.2	Receptacle location	8
4.2.3	Receptacle mounting	8
4.2.4	Minimum receptacle clearance	8
4.3	Leakage control	8
4.4	Mounting of the tank(s)	9
4.5	Heat protection	9
4.6	Minimizing risk of gas ignition	9
4.7	Venting system	10
4.7.1	General	10
4.7.2	Ventilation lines for PRVs	10
4.7.3	Vent line closures	11
4.8	Gas temperature sensor	11
5	Instructions for use	11
6	Marking	11
Annex A (informative) Technical solutions to functional requirements		12
Annex B (informative) Liquefied natural gas (LNG) on-board fuel systems		13
Bibliography		14