



SLOVENSKI STANDARD
SIST EN 17922:2024

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Polnilne postaje za oskrbo z utekočinjenim zemeljskim plinom - Sistem za zaustavitev raztovaranja v sili

Natural gas fuelling stations - LNG unloading stop system

Gasfüllanlagen - LNG-Entlade-Stopp-System

Stations-service de gaz naturel - Système d'arrêt de déchargement de GNL

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Natural gas fuelling stations - LNG unloading stop system

Stations-service de gaz naturel - Système d'arrêt de
déchargement de GNL

Gasfüllanlagen - LNG-Entlade-Stopp-System

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European foreword

This document (EN 17922:2024) has been prepared by Technical Committee CEN/TC 326 “Natural gas vehicles - Fuelling and operation”, the secretariat of which is held by TSE.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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EN 17922:2024 (E)**Introduction**

The transport of LNG over the road in Europe is organized through ADR regulations. This European Agreement concerning the International Carriage of Dangerous Goods by Road specifies the safety procedures of the road tanker and driver.

The design, construction, operation, maintenance and inspection including equipment safety and control devices for LNG fuelling stations are described in EN ISO 16924 “Natural gas fuelling stations — LNG stations for fuelling vehicles”.

This document describes the interface between the LNG road tanker and LNG fuelling station.

The unloading of LNG at the fuelling station must be carried out with an unloading stop system which, in the event of an emergency, safely stops the transfer process and closes the necessary valves.

However, at the moment different fuelling station operators are using different safety systems: some are using electronic safety systems, others are using pneumatic operated safety systems.

The proposed harmonized communication interface between the fuelling station and the LNG road tanker is a pneumatic system. Even though an electrical interface is also used, for the present it is difficult to propose a harmonized interface connector.

The aim of this document is to describe a harmonized pneumatic operated unloading stop system in such a way that the safety system of LNG road tanker is linking with the safety system of the LNG fuelling station.

The proposed unloading stop system is also applicable to the unloading of LNG road tanker to LNG industrial.

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