

ISO 23684:2023-04 (E)

Road vehicles - Technical personnel dealing with natural gas vehicles (NGVs) - Training and qualification

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Figures involved on NGVs use and operations	5
4.1	General	5
4.2	Professionals on workshop	6
4.2.1	Technical manager of workshop	6
4.2.2	Operators on workshop	7
4.3	Professionals on CNG, LNG and L-CNG fuelling station	7
4.3.1	Technical manager of CNG, LNG and L-CNG fuelling station	7
4.3.2	Operators of CNG, LNG and L-CNG fuelling station	7
4.4	Professionals on parking and garages	7
5	Requirements for figures involved on NGVs use and operation	8
5.1	Professionals on workshop	8
5.1.1	Technical manager of workshop facilities (Table 1)	8
5.1.2	Operators on workshop (Table 2)	10
5.2	Professionals on CNG, LNG and L-CNG fuelling station	12
5.2.1	Technical manager of CNG, LNG and L-CNG fuelling station	12
5.2.2	Operators of CNG, LNG and L-CNG fuelling station (Table 4)	14
5.3	Professional on parking	15
6	Training	16
6.1	General	16
6.2	Training course	17
6.3	Requirements related to the theoretical-practical professional training courses	17
6.3.1	Recognized training course	17
6.3.2	Competence of trainers	17
6.3.3	Training method	18
6.3.4	Training bodies	18
6.3.5	Training location	18
6.4	General on training for workshop professional	18
6.4.1	Technical manager of workshop	18
6.4.2	Main knowledge of the course	18
6.5	Workshop operator	19
6.5.1	Main knowledge of the course	19
6.6	Technical manager of CNG /LNG / L-CNG fuelling station	19
6.6.1	Training for technical managers of CNG/LNG/L-CNG fuelling stations	20
6.7	Operator of CNG/LNG/L-CNG fuelling stations	20
6.7.1	Training for operator of CNG/LNG/L-CNG fuelling stations	20
7	Competence assessment and qualification achievement	20
7.1	Final examination	21

8	Qualification levels	21
9	Type of qualification	21
10	Authorized qualification body	21
	Annex A (normative) E-learning and e-learning requirements	23
	Annex B (informative) Topics of the workshop technical manager course	27
	Annex C (informative) Training for technical managers of CNG/LNG/L-CNG fuelling stations	29
	Bibliography	30