

RILASCIATO A ISSUED TO S.r.l.)	notive Technical Service Eu	ırope S.r.l. (ATS Europe
REVISIONE 003	DATA DI REVISIONE 14-12-2023 REVIEW DATE	DATA DI SCADENZA 22-04-2028 EXPIRY DATE

Ispezione di Tipo A nei seguenti settori:

Category	Field	Subfield	Range	Stage
Prodotto Servizio	Automotive	 Categoria M - Veicoli a motore destinati al trasporto di persone con almeno quattro ruote Categoria N - Veicoli a motore destinati al trasporto di merci con almeno quattro ruote Categoria O - Rimorchi (compresi i semirimorchi) Categoria L - Motocicli, tricicli, quadricicli Categoria T - Trattori a ruote Veicoli elettrici Categoria NRMM - Non road mobile machinery 	 Ispezioni su veicoli completi Ispezioni sui componenti 	 Precedentemente l'utilizzo del prodotto Durante l'utilizzo del prodotto
Vehicle Ca - ETS_L-00 quadricy - ETS_L-02 - ETS_L-02 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-04 - ETS_L-14 - ETS_L-12 - ETS_L-20 - ETS_L-	s carried out acc tegory L) - Frame Regula cles L - Audible warni 2 - Braking, inclu 3 - Electrical safe 4 - Endurance tes 5 - Front and rea 5 - Glazing, wind 7 - Driver operat 3 - Installation of 9 - Rearward visi 1 - Safety belt ar 2 - Seating positi 3 - Steer-ability, 4 - Installation of 5 - Vehicle maxin 5 - Vehicle maxin 5 - Vehicle struct 9 - Powertrain ta 0 - Requirements 1 - Conformity of	ding anti-lock and combined braking syst sty sting of functional safety critical systems, r protective structures screen wipers and washers, and defrostin ed controls, identification of controls, tell- f lighting and light signalling devices, auto bility ective structure (ROPS) inchorages and safety belts ons (saddles and seETS) cornering properties and turn-ability tyres num speed limitation plate and its location ant protection, including interior fittings a tinuous rated or net power and/or maxim	ance of two or three-when ems parts and equipment g and demisting systems tales and indicators omatic switching of lightin n on the vehicle nd vehicle doors num vehicle speed	



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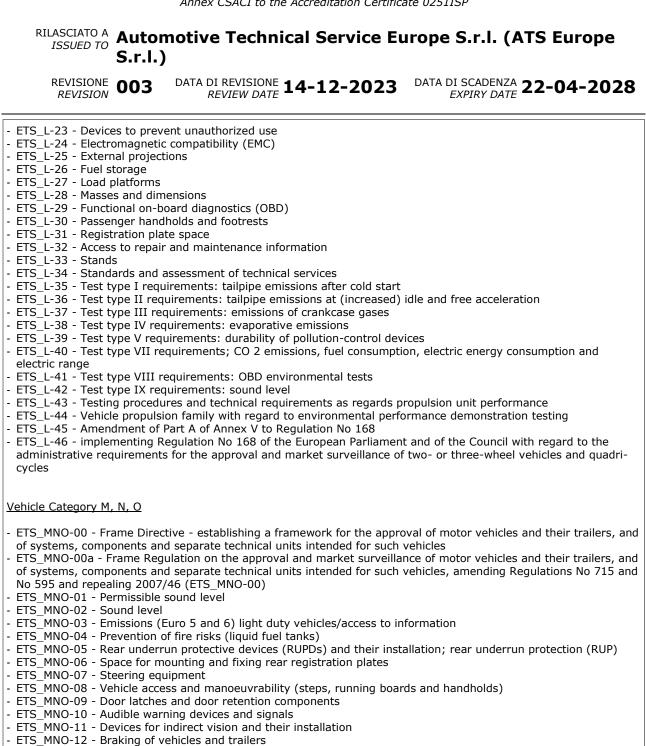
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SEDE OPERATIVA E AMMINISTRATIVA









- ETS MNO-13 Braking of passenger cars
- ETS MNO-14 Electromagnetic compatibility



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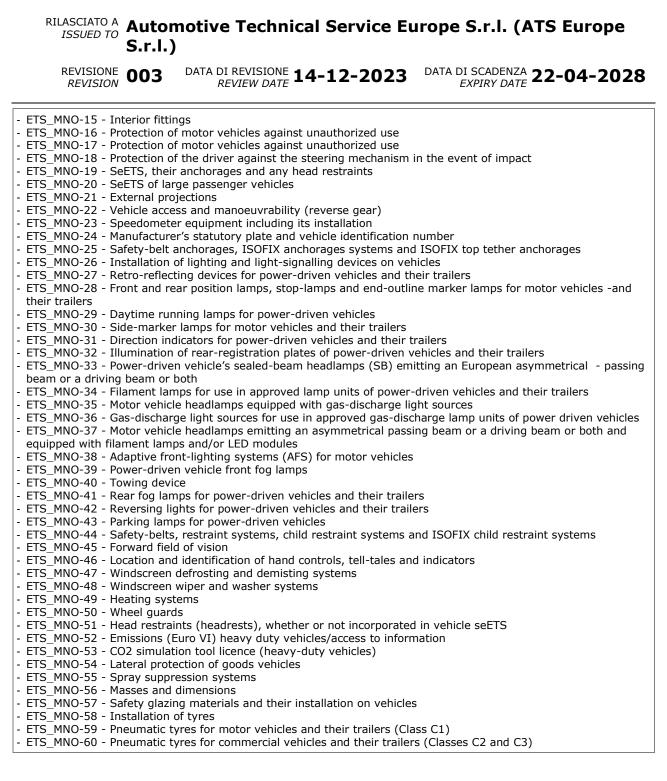
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REVISIONE 003 REVISION

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- ETS_MNO-61 - Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and
C3) - ETS MNO-62 - Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system
- ETS MNO-63 - Speed limitation of vehicles
- ETS MNO-64 - Masses and dimensions
- ETS_MNO-65 - Commercial vehicles with regard to their external projections forward of the cab's rear panel
- ETS_MNO-66 - Mechanical coupling components of combinations of vehicles
- ETS_MNO-67 - Close-coupling device (CCD); fitting of an approved type of CCD
- ETS MNO-68 - Burning behaviour of materials used in the interior construction of certain categories of motor
vehicles
- ETS MNO-69 - M2 and M3 vehicles
- ETS_MNO-70 - Strength of the superstructure of large passenger vehicles
- ETS MNO-71 - Protection of occupants in the event of a frontal collision
- ETS MNO-72 - Protection of occupants in the event of lateral collision
- ETS MNO-73 - Vehicles for the carriage of dangerous goods
- ETS_MNO-74 - Front underrun protective devices (FUPDs) and their installation; front underrun - protection (FUP)
- ETS_MNO-75 - Pedestrian protection
- ETS_MNO-76 - Recyclability
- ETS MNO-77 - Air-conditioning systems
- ETS_MNO-78 - Hydrogen system
- ETS MNO-79 - General Safety
- ETS MNO-80 - Gear shift indicators
- ETS MNO-81 - Advanced emergency braking system ù
- ETS MNO-82 - Lane departure warning system
- ETS MNO-83 - Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles
- ETS_MNO-84 - Vehicle alarm systems (VAS)
- ETS_MNO-85 - Electric safety
- ETS_MNO-86 - Specific components for CNG and their installation on motor vehicles
- ETS_MNO-87 - Cab strength
- ETS_MNO-88 - Fuel tanks / rear protective devices
- ETS_MNO-89 - Rear registration plate space
- ETS_MNO-90 - Steering effort
- ETS_MNO-91 - Door latches and Hinges
- ETS_MNO-92 - Audible warning
- ETS_MNO-93 - Diesel smoke
- ETS_MNO-94 - External projections
- ETS_MNO-95 - Speedometer and reverse gear
- ETS_MNO-96 - Plates (statutory)
- ETS_MNO-97 - Plates (statutory)
- ETS_MNO-98 - Towing hooks
- ETS_MNO-99 - Forward vision
- ETS_MNO-100 - Identification of controls
- ETS_MNO-101 - Defrost / Demist
- ETS_MNO-102 - Wash / Wipe
- ETS_MNO-103 - Wheel guards
- ETS_MNO-104 - Head restraints
- ETS_MNO-105 - CO2 emissions / Fuel consumption
- ETS_MNO-106 - Engine power
- ETS_MNO-107 - Diesel emissions
- ETS_MNO-108 - Spray suppression



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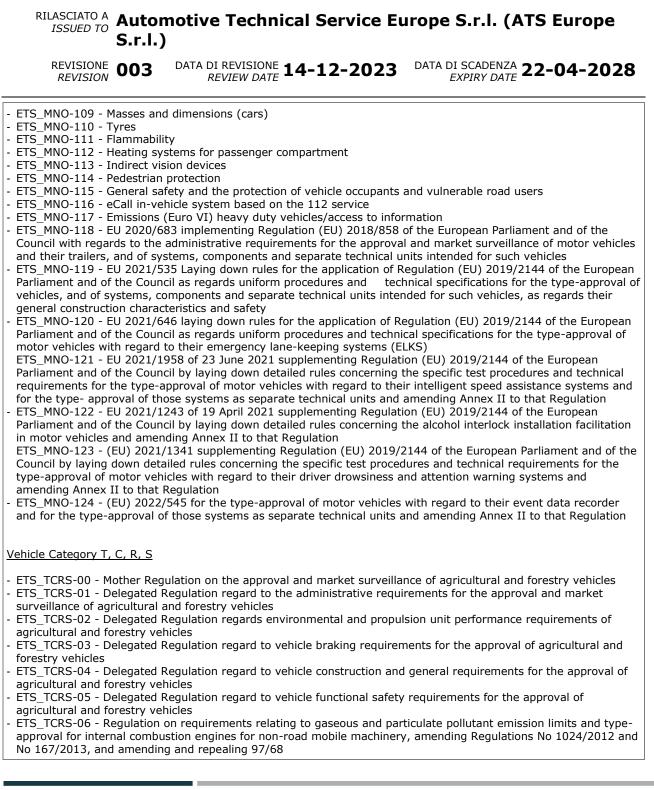
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- ETS_TCRS-09 Delegated Regulation amending Delegated Regulation No. 2015/96 as regards environmental and propulsion unit performance requirements of agricultural and forestry vehicles
- ETS_TCRS4-10 Vehicle structure integrity
- ETS_TCRS4-11 Maximum design speed, speed governor and speed limitation devices
- ETS_TCRS4-12 Braking devices and trailer brake coupling
- ETS_TCRS4-13 Steering for fast tractors
- ETS TCRS4-14 Steering
- ETS_TCRS4-15 Speedometer
- ETS_TCRS4-16 Field of vision and windscreen wipers ETS_TCRS4-17 Glazing
- ETS TCRS4-18 Rear-view mirrors
- ETS_TCRS4-19 Driver information systems
- ETS_TCRS4-20 Lighting, light signalling devices and their light sources
 ETS_TCRS4-21 Lighting installation
- ETS_TCRS4-22 Vehicle occupant protection, including interior fittings, head restraint, seat belts, vehicle doors
- ETS_TCRS4-23 Vehicle exterior and accessories
- ETS_TCRS4-24 Electro-magnetic compatibility
- ETS TCRS4-25 Audible warning device
- ETS_TCRS4-26 Heating systems
- ETS_TCRS4-27 Devices to prevent unauthorised use
- ETS_TCRS4-28 Registration plate - ETS_TCRS4-29 - Statutory plate and marking
- ETS_TCRS4-30 Dimensions and trailer mass
- ETS_TCRS4-31 Maximum laden mass - ETS_TCRS4-32 - Ballast masses
- ETS TCRS4-33 Safety of electrical systems
- ETS_TCRS4-34 Fuel tank
- ETS_TCRS4-35 Rear protective structures
 ETS_TCRS4-36 Lateral protection
- ETS_TCRS4-37 Load platforms
- ETS_TCRS4-38 Towing devices
- ETS_TCRS4-39 Tyres
- ETS_TCRS4-40 Spray-suppression systems
- ETS_TCRS4-41 Reverse gear
- ETS_TCRS4-42 Tracks ETS_TCRS4-43 Mechanical couplings
- ETS_TCRS4-44 Requirements applying to roll-over protection structures (dynamic testing)
- ETS_TCRS4-45 Requirements applying to roll-over protection structures (track-laying tractors)
- ETS_TCRS4-46 Requirements applying to roll-over protection structures (static testing)
 ETS_TCRS4-47 Requirements applying to roll-over protection structures (front mounted roll-over protective structures on narrow- track tractors)
- ETS_TCRS4-48 Requirements applying to roll-over protection structures (rear mounted roll-over protective structures on narrow- track tractors)
- ETS_TCRS4-49 Requirements applying to falling objects protection structures
- ETS TCRS4-50 Requirements applying to passenger seETS
- ETS TCRS4-51 Requirements applying to the driver's exposure to noise level



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SEDE OPERATIVA E AMMINISTRATIVA









REVISIONE **003**

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DATA DI SCADENZA 22-04-2028 EXPIRY DATE

ETS TCRS4-52 - Requirements applying to the driving seat
• ETS_TCRS4-53 - Requirements applying to operating space and to access to the driving position
• ETS_TCRS4-54 - Requirements applying to power take-offs
• ETS TCRS4-55 - Requirements applying to the protection of drive components
• ETS TCRS4-56 - Requirements applying to seat-belt anchorages
• ETS TCRS4-57 - Requirements applying to safety belts
• ETS TCRS4-58 - Requirements applying to the protection against penetrating objects
• ETS TCRS4-59 - Requirements applying to exhaust systems
• ETS_TCRS4-60 - Requirements applying to the operator's manual
• ETS_TCRS4-60 - Requirements applying to control devices, including safety and reliability of control systems and
emergency and automatic stop devices
• ETS TCRS4-62 - Requirements applying to the protection against other mechanical hazards
• ETS_TCRS4-62 - Requirements applying to the protection against other mechanical hazards
• ETS_TCRS4-64 - Requirements applying to information, warnings and markings
• ETS_TCRS4-65 - Requirements applying to materials and products
ETS_TCRS4-66 - Requirements applying to batteries
ETS_TCRS4-67 - Emergency exit
ETS_TCRS4-68 - Cab ventilation and filtration system
• ETS_TCRS4-69 - Burning rate of cab material
ETS_TCRS4-70 - Pollutant emissions (emission stages from 2000/25 and 97/68)
ETS_TCRS4-71 - Sound level (external) (limit values from 2009/63)
 ETS_TCRS4-72 - Requirements applying to protection against hazardous substances
Vahida & Components
Vehicle & Components
· R0 RFI TS - Uniform provisions concerning the International Whole Vehicle Type Approval
Ro_Ri 1_15 Onitorni provisions concerning the international whole vehicle rype Approval
P1 PET TS - Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical
R1_RFI_TS - Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical
passing-beam and/or a driving-beam and equipped with filament lamps of categories R2 and/or HS1
passing-beam and/or a driving-beam and equipped with filament lamps of categories R2 and/or HS1 R2_RFI_TS - Uniform provisions concerning the approval of incandescent electric lamps for headlamps emitting an
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R13_RFI_TS - Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to braking R13H_RFI_TS - Uniform provisions concerning the approval of passenger cars with regard to braking R14 RFI TS - Uniform provisions concerning the approval of vehicles with regard to safety-belt anchorages, ISOFIX anchorages systems and ISOFIX top tether anchorages R15 RFI TS - Uniform provisions concerning the approval of vehicles equipped with a positive-ignition engine or with a compression-ignition engine with regard to the emission of gaseous pollutants by the engine - method of measuring the power of positive-ignition engines -method of measuring the fuel consumption of vehicles R16A_RFI_TS - I. Safety-belts, restraint systems, child restraint systems and ISOFIX child restraint systems for occupants of power-driven vehicles R16B RFI TS - II. Vehicles equipped with safety-belts, safety-belt reminders, restraint systems, child restraint systems and ISOFIX child restraint systems R17 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the seETS, their anchorages and any head restraints R18 RFI TS - Uniform provisions concerning the approval of motor vehicles with regard to their protection against unauthorized use R19 RFI TS - Uniform provisions concerning the approval of power-driven vehicle front fog lamps - R20_RFI_TS - Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with halogen filament lamps (H4 lamps) R21_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to their interior fittings R22_RFI_TS - Uniform provisions concerning the approval of protective helmets and their visors for drivers and passengers of motor cycles and mopeds R23_RFI_TS - Uniform provisions concerning the approval of reversing and maneuvering lamps for power-driven vehicles and their trailers R24A_RFI_TS - Uniform provisions concerning: I. The approval of compression ignition (C.I.) engines with regard to the emission of visible pollutants" R24B_RFI_TS - Uniform provisions concerning the approval of: II. The approval of motor vehicles with regard to the installation of C.I. engines of an approved type R24C_RFI_TS - Uniform provisions concerning the approval of: III. The approval of motor vehicles equipped with C.I. engines with regard to the emission of visible pollutants by the engine R24D_RFI_TS - Uniform provisions concerning the approval of: IV. The measurement of power of C.I. engine R25 RFI TS - Uniform provisions concerning the approval of head restraints (headrests), whether or not incorporated in vehicle seETS R26_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to their external projections R27_RFI_TS - Uniform provisions concerning the approval of advance warning triangles R28_RFI_TS - Uniform provisions concerning the approval of audible warning devices and of motor vehicles with regard to their audible signals R29 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants of the cab of a commercial vehicle R30_RFI_TS - Uniform provisions concerning the approval of pneumatic tyres for motor vehicles and their trailers - R31 RFI TS - Uniform provisions concerning the approval of power-driven vehicle's sealed-beam headlamps (SB) emitting an European asymmetrical passing-beam or a driving-beam or both R32 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the behaviour of the structure of the impacted vehicle in a rear-end collision R33 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the behaviour of the structure of the impacted vehicle in a head-on collision R34 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks R35 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the arrangement of foot controls



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REVISIONE **003**

DATA DI REVISIONE **14-12-2023** REVIEW DATE

DATA DI SCADENZA 22-04-2028 EXPIRY DATE

-	R36_RFI_TS - Uniform provisions concerning the approval of large passenger vehicles with regard to their general
-	construction R37_RFI_TS - Uniform provisions concerning the approval of filament lamps for use in approved lamp units of
-	power-driven vehicles and of their trailers R38_RFI_TS - Uniform provisions concerning the approval of rear fog lamps for power-driven vehicles and their
-	trailers R39_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to the speedometer equipment
	including its installation R40 RFI TS - Uniform provisions concerning the approval of motor cycles equipped with a positive-ignition engine
	with regard to the emission of gaseous pollutants by the engine
-	R41_RFI_TS - Uniform provisions concerning the approval of motor cycles with regard to noise
-	R42_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to their front and rear protective devices (bumpers, etc.)
-	R43_RFI_TS - Uniform provisions concerning the approval of safety glazing materials and their installation on
	vehicles
-	R44_RFI_TS - Uniform provisions concerning the approval of restraining devices for child occupants of power- driven vehicles ("Child Restraint Systems")
-	R45_RFI_TS - Uniform provisions concerning the approval of headlamp cleaners, and of power-driven vehicles with regard to headlamp cleaners
-	R46_RFI_TS - Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regard to the installation of these devices
-	R47 RFI TS - Uniform provisions concerning the approval of mopeds equipped with a positive-ignition engine with
	regard to the emission of gaseous pollutants by the engine
-	R48_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light- signalling devices
-	R49_RFI_TS - Uniform provisions concerning the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines and positive-ignition engines for use in vehicles
-	R50_RFI_TS - Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps,
	direction indicators and rear-registration-plate illuminating devices for vehicles of category L
-	R51_RFI_TS - Uniform provisions concerning the approval of motor vehicles having at least four wheels with regard to their noise emissions
-	R52_RFI_TS - Uniform provisions concerning the approval of M2 and M3 small capacity vehicles with regard to their general construction
-	R53_RFI_TS - Uniform provisions concerning the approval of category L3 vehicles with regard to the installation of lighting and light-signaling devices
-	R54_RFI_TS - Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers
-	R55_RFI_TS - Uniform provisions concerning the approval of mechanical coupling components of combinations of vehicles
-	R56 RFI TS - Uniform provisions concerning the approval of headlamps for mopeds and vehicles treated as such
-	R57_RFI_TS - Uniform provisions concerning the approval of headlamps for motor cycles and vehicles treated as such
_	R58A RFI TS - Uniform provisions concerning the approval of: I. Rear underrun protective devices (RUPDs)
-	R58B_RFI_TS - Uniform provisions concerning the approval of: II. Vehicles with regard to the installation of an RUPD of an approved type
-	R58C_RFI_TS - Uniform provisions concerning the approval of: III. Vehicles with regard to their rear underrun
	protection (RUP) R59 RFI TS - Uniform provisions concerning the approval of replacement silencing systems
]	R60_RFI_TS - Uniform provisions concerning the approval of two-wheeled motor cycles and mopeds with regard to
	driver- operated controls including the identification of controls, tell-tales and indicators
L	



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DATA DI REVISIONE **14-12-2023** REVIEW DATE DATA DI SCADENZA EXPIRY DATE 22-04-2028





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DATA DI REVISIONE 14-12-2023 REVIEW DATE DATA DI SCADENZA EXPIRY DATE 22-04-2028 REVISION R104_RFI_TS - Uniform provisions concerning the approval of retro-reflective markings for vehicles of category M, N and O R105_RFI_TS - Uniform provisions concerning the approval of vehicles intended for the carriage of dangerous goods with regard to their specific constructional features R106 RFI TS - Uniform provisions concerning the approval of pneumatic tyres for agricultural vehicles and their trailers R107_RFI_TS - Uniform provisions concerning the approval of category M2 or M3 vehicles with regard to their general construction R108_RFI_TS - Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for motor vehicles and their trailers - R109 RFI TS - Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for commercial vehicles and their trailers R110A RFI TS - Uniform provisions concerning the approval of: I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system; R110B RFI TS - Uniform provisions concerning the approval of: II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system R111_RFI_TS - Uniform provisions concerning the approval of tank vehicles of categories N and O with regard to rollover stability R112_RFI_TS - Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with filament lamps and/or light-emitting diode (LED) modules R113_RFI_TS - Uniform provisions concerning the approval of filament, gas-discharge light sources or LED modules R114A RFI TS - Uniform provisions concerning the approval of: i.an airbag module for a replacement airbag system; R114B RFI TS - Uniform provisions concerning the approval of: ii. a replacement steering wheel equipped with an airbag module of an approved type R114C RFI TS - Uniform provisions concerning the approval of: iii. a replacement airbag system other than that installed in a steering wheel R115B RFI TS - Uniform provisions concerning the approval of: I. Specific LPG (liquefied petroleum gases) retrofit systems to be installed in motor vehicles for the use of LPG in their propulsion system R115B RFI TS - Uniform provisions concerning the approval of: II. Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system R116_RFI_TS - Uniform provisions concerning the protection of motor vehicles against unauthorized use R117_RFI_TS - Uniform provisions concerning the approval of tyres with regard to rolling sound emissions and to adhesion on wet surfaces R118 RFI TS - Uniform technical prescriptions concerning the burning behavior and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles R119 RFI TS - Uniform provisions concerning the approval of cornering lamps for power-driven vehicles R120 RFI TS - Uniform provisions concerning the approval of internal combustion engines to be installed in agricultural and forestry tractors and in non-road mobile machinery, with regard to the measurement of the net power, net torque and specific fuel consumption R121 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the location and identification of hand controls, tell-tales and indicators R122 RFI TS - Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to their heating systems R123 RFI TS - Uniform provisions concerning the approval of adaptive front-lighting systems (AFS) for motor vehicles R124 RFI TS - Uniform provisions concerning the approval of wheels for passenger cars and their trailers



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- R128_RFI_TS Uniform provisions concerning the approval of light emitting diode (LED) light sources for use in approved lamp units on power-driven vehicles and their trailers
- R129_RFI_TS Uniform provisions concerning the approval of enhanced Child Restraint Systems (ECRS)
- R130_RFI_TS Uniform provisions concerning the approval of motor vehicles with regard to the Lane Departure Warning System (LDWS)
- R131_RFI_TS Uniform provisions concerning the approval of motor vehicles with regard to the Advanced Emergency Braking Systems (AEBS)
- R132_RFI_TS Uniform provisions concerning the approval of Retrofit Emission Control devices (REC) for heavy duty vehicles, agricultural and forestry tractors and non-road mobile machinery equipped with compression ignition engines
- R133_RFI_TS Uniform provisions concerning the approval of motor vehicles with regard to their reusability, recyclability and recoverability
- R134_RFI_TS Uniform provisions concerning the approval of motor vehicles and their components with regard to the safety- related performance of hydrogen-fuelled vehicles (HFCV)
- R135_RFI_TS Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)
- R136_RFI_TS Uniform provisions concerning the approval of vehicles of category L with regard to specific requirements for the electric power train
- R137_RFI_TS Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system
- R138_RFI_TS Uniform provisions concerning the approval of Quiet Road Transport Vehicles with regard to their reduced audibility
- R139_RFI_TS Uniform provisions concerning the approval of passenger cars with regard to Brake Assist Systems (BAS)
- R140_RFI_TS Uniform provisions concerning the approval of passenger cars with regard to Electronic Stability Control (ESC) Systems
- R141_RFI_TS Uniform provisions concerning the approval of vehicles with regard to their Tyre Pressure Monitoring Systems (TPMS)
- R142_RFI_TS Uniform provisions concerning the approval of motor vehicles with regard to the installation of their tyres
- R143_RFI_TS Regulation on uniform provisions concerning the approval of Heavy Duty Dual-Fuel Engine Retrofit Systems (HDDF-ERS) to be installed on heavy duty diesel engines and vehicles
- R144A_RFI_TS Uniform provisions concerning: Ia. Accident Emergency Call Components (AECC)
- R144B_RFI_TS Uniform provisions concerning: Ib. Accident Emergency Call Devices (AECD) which are intended to be fitted to vehicles of Categories M and N
- R144C_RFI_TS Uniform provisions concerning: II. Vehicles with regard to their Accident Emergency Call Systems (AECS) when equipped with an AECD of an approved type
- R144D_RFI_TS Uniform provisions concerning: III. Vehicles with regard to their Accident Emergency Call Systems (AECS) when equipped with an AECD of not approved type
- R145_RFI_TS Uniform provisions concerning the approval of vehicles with regard to ISOFIX anchorage systems ISOFIX top tether anchorages and I-Size seating positions
- R146_RFI_TS Uniform provisions concerning the approval of motor vehicles and their components with regard to the safety-related performance of hydrogen fueled vehicles of categories L1, L2, L3, L4 and L5



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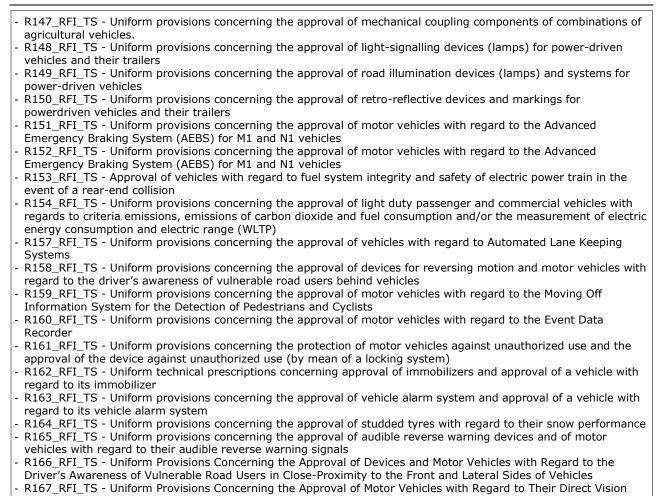
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<u>NRMM</u>

- ETS_NRMM-01 97/68 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery.
- ETS_NRMM-02 REGULATION on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations No 1024/2012 and No 167/2013, and amending and repealing 97/68.

- ETS_NRMM-03 - Supplementing Regulation 2016/1628 with regard to technical and general requirements relating to emission limits and type-approval for internal combustion engines for non-road mobile machinery.



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DATA DI REVISIONE 14-12-2023 REVIEW DATE

DATA DI SCADENZA 22-04-2028 EXPIRY DATE

 ETS_NRMM-04 - Correcting the Estonian language version Regulation 654 supplementing Regulation 2016/1628 with regard to technical and general requirements relating to emission limits and type-approval for internal combustion engines for non-road mobile machinery.

ETS_NRMM-05 - Supplementing Regulation 2016/1628 with regard to monitoring of gaseous pollutant emissions from in-service internal combustion engines installed in non-road mobile machinery.

- ETS_NRMM-06 - Laying down the administrative requirements relating to emission limits and type-approval of internal combustion engines for non-road mobile machinery in accordance with Regulation 1628.



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RILASCIATO A ISSUED TO S.r.l.)	notive Technical Service Eu	ırope S.r.l. (ATS Europe
REVISIONE 003	DATA DI REVISIONE 14-12-2023	DATA DI SCADENZA EXPIRY DATE 22-04-2028

Inspection of Type A in the following sectors:

Category	Field	Subfield	Range	Stage
Product Service	Automotive	 Category M – motor vehicles for transport of people with at least four wheels Category N - motor vehicles for transport of goods with at least four wheels Category O – trailers (including semi- trailers) Category L – motorcycles, tricycles and quads Category T – tractors with wheels Electric Vehicles Category NRMM – non-road mobile machinery 	 Inspections of complete vehicles Inspections of components 	 prior the use of the product during the use of the product
 Vehicle Ca quadricy ETS_L-0. ETS_L-1. ETS_L-2. 	s carried out acc <u>tegory L</u> 0 - Frame Regula cles 1 - Audible warn 2 - Braking, inclu 3 - Electrical safa 4 - Endurance teg 5 - Front and rea 6 - Glazing, winc 7 - Driver operat 8 - Installation o 9 - Rearward vis 0 - Rollover prot 1 - Safety belt an 2 - Seating posit 2 - Seating posit 3 - Steer-ability, 4 - Installation o 5 - Vehicle maxin 5 - Vehicle maxin 6 - Vehicle occup 7 - Maximum con 8 - Vehicle struct 9 - Powertrain ta 0 - Requirement	Iding anti-lock and combined braking syste ety sting of functional safety critical systems, ar protective structures Iscreen wipers and washers, and defrosting red controls, identification of controls, tell- f lighting and light signalling devices, auto ibility ective structure (ROPS) nchorages and safety belts ions (saddles and seETS) cornering properties and turn-ability f tyres mum speed limitation plate and its locatior pant protection, including interior fittings a ntinuous rated or net power and/or maxim	ance of two or three-who ems parts and equipment g and demisting systems tales and indicators matic switching of lighti n on the vehicle nd vehicle doors um vehicle speed sures	5



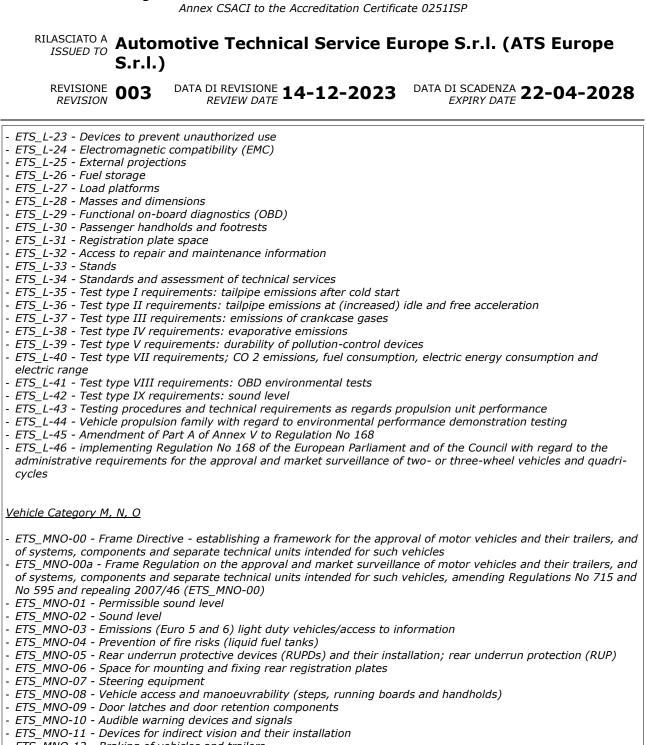
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- ETS_MNO-12 Braking of vehicles and trailers
- ETS_MNO-13 Braking of passenger cars
- ETS_MNO-14 Electromagnetic compatibility



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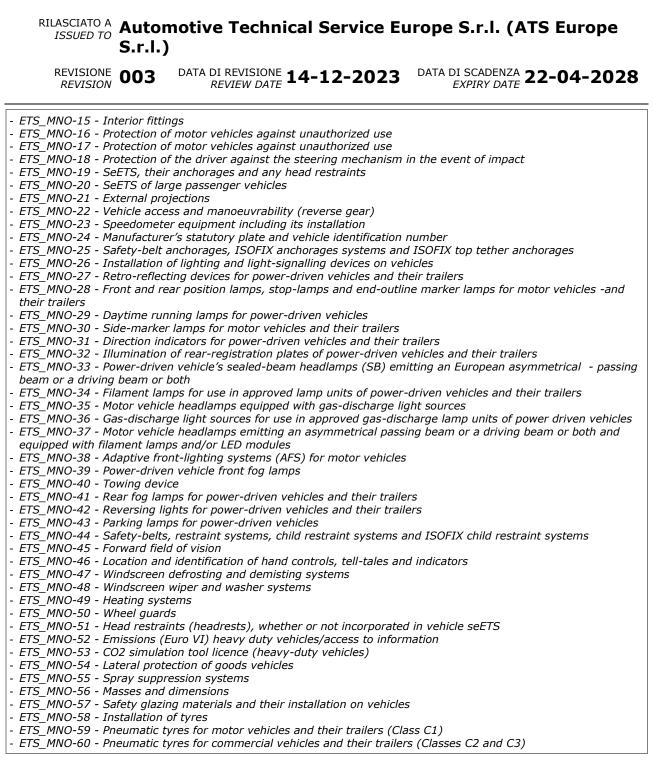
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REVISIONE 003 REVISION

DATA DI REVISIONE 14-12-2023 REVIEW DATE

- ETS_MNO-61 - Tyre rolling sound emissions, adhesion on wet surfaces and rolling resistance (Classes C1, C2 and C3)
- ETS_MNO-62 - Temporary-use spare unit, run-flat tyres/system and tyre pressure monitoring system
- ETS_MNO-63 - Speed limitation of vehicles
- ETS_MNO-64 - Masses and dimensions
- ETS_MNO-65 - Commercial vehicles with regard to their external projections forward of the cab's rear panel
- ETS_MNO-66 - Mechanical coupling components of combinations of vehicles
- ETS_MNO-67 - Close-coupling device (CCD); fitting of an approved type of CCD
- ETS_MNO-68 - Burning behaviour of materials used in the interior construction of certain categories of motor
vehicles
- ETS_MNO-69 - M2 and M3 vehicles
- ETS_MNO-70 - Strength of the superstructure of large passenger vehicles
- ETS_MNO-71 - Protection of occupants in the event of a frontal collision
- ETS_MNO-72 - Protection of occupants in the event of lateral collision
- ETS_MNO-73 - Vehicles for the carriage of dangerous goods
- ETS_MNO-74 - Front underrun protective devices (FUPDs) and their installation; front underrun - protection (FUP)
- ETS_MNO-75 - Pedestrian protection
- ETS_MNO-76 - Recyclability
- ETS_MNO-77 - Air-conditioning systems
- ETS_MNO-78 - Hydrogen system
- ETS_MNO-79 - General Safety
- ETS_MNO-80 - Gear shift indicators
- ETS_MNO-81 - Advanced emergency braking system ù
- ETS_MNO-82 - Lane departure warning system
- ETS_MNO-83 - Specific components for liquefied petroleum gases (LPG) and their installation on motor vehicles
- ETS_MNO-84 - Vehicle alarm systems (VAS)
- ETS_MNO-85 - Electric safety
- ETS_MNO-86 - Specific components for CNG and their installation on motor vehicles
- ETS_MNO-87 - Cab strength
- ETS_MNO-88 - Fuel tanks / rear protective devices
- ETS_MNO-89 - Rear registration plate space - ETS_MNO-90 - Steering effort
- ETS_MNO-90 - Steering enorg
- ETS_MNO-91 - Door lateries and minges - ETS_MNO-92 - Audible warning
- ETS_MNO-92 - Addible warning - ETS_MNO-93 - Diesel smoke
- ETS_MNO-94 - External projections
- ETS MNO-95 - Speedometer and reverse gear
- ETS_MNO-96 - Plates (statutory)
- ETS_MNO-97 - Plates (statutory)
- ETS MNO-98 - Towing hooks
- ETS MNO-99 - Forward vision
- ETS MNO-100 - Identification of controls
- ETS_MNO-101 - Defrost / Demist
- ETS_MNO-102 - Wash / Wipe
- ETS_MNO-103 - Wheel guards
- ETS_MNO-104 - Head restraints
- ETS_MNO-105 - CO2 emissions / Fuel consumption
- ETS_MNO-106 - Engine power
- ETS_MNO-107 - Diesel emissions
- ETS_MNO-108 - Spray suppression



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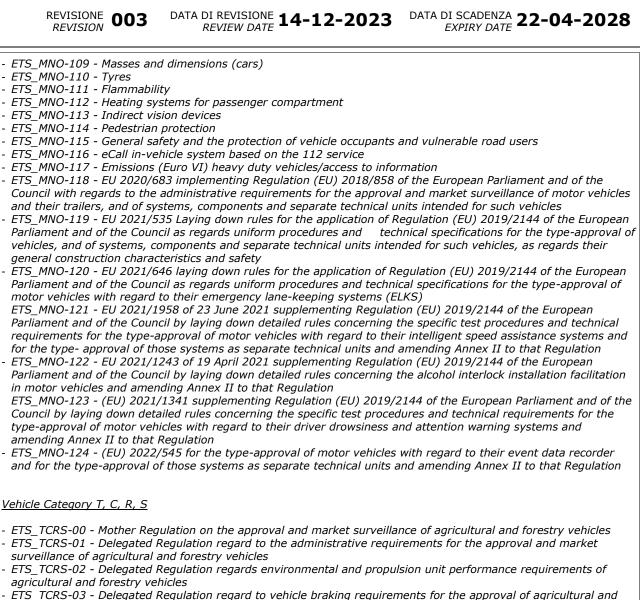
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Automotive Technical Service Europe S.r.l. (ATS Europe



- ETS_TCRS-03 Delegated Regulation regard to vehicle braking requirements for the approval of agricultural and forestry vehicles
- ETS_TCRS-04 Delegated Regulation regard to vehicle construction and general requirements for the approval of agricultural and forestry vehicles
- ETS_TCRS-05 Delegated Regulation regard to vehicle functional safety requirements for the approval of agricultural and forestry vehicles

ETS_TCRS-06 - Regulation on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations No 1024/2012 and No 167/2013, and amending and repealing 97/68



RILASCIATO A

ISSUED TO

S.r.l.)

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- ETS_TCRS-07 - Delegated regulation amending Regulation No 167/2013, and amending and correcting Commission
Delegated Regulations No 1322, 2015/96, 2015/68 and 2015/208
- ETS_TCRS-08 - "Implementing Regulation amending Implementing Regulation No. 2015/504 with regard to the
administrative requirements for the approval and market surveillance of agricultural and forestry vehicles
- ETS_TCRS-09 - Delegated Regulation amending Delegated Regulation No. 2015/96 as regards - environmental
and propulsion unit performance requirements of agricultural and forestry vehicles
- ETS_TCRS4-10 - Vehicle structure integrity
- ETS_TCRS4-11 - Maximum design speed, speed governor and speed limitation devices
- ETS_TCRS4-12 - Braking devices and trailer brake coupling
- ETS TCRS4-13 - Steering for fast tractors
- ETS TCRS4-14 - Steering
- ETS_TCRS4-15 - Speedometer
- ETS_TCRS4-16 - Field of vision and windscreen wipers
- ETS TCRS4-17 - Glazing
- ETS TCRS4-18 - Rear-view mirrors
- ETS TCRS4-19 - Driver information systems
- ETS TCRS4-20 - Lighting, light signalling devices and their light sources
- ETS TCRS4-21 - Lighting installation
- ETS_TCRS4-22 - Vehicle occupant protection, including interior fittings, head restraint, seat belts, vehicle doors
- ETS TCRS4-23 - Vehicle exterior and accessories
- ETS TCRS4-24 - Electro-magnetic compatibility
- ETS TCRS4-25 - Audible warning device
- ETS_TCRS4-26 - Heating systems
- ETS TCRS4-27 - Devices to prevent unauthorised use
- ETS TCRS4-28 - Registration plate
- ETS_TCRS4-29 - Statutory plate and marking
- ETS_TCRS4-30 - Dimensions and trailer mass
- ETS TCRS4-31 - Maximum laden mass
- ETS_TCRS4-32 - Ballast masses
- ETS_TCRS4-33 - Safety of electrical systems
- ETS_TCRS4-34 - Fuel tank
- ETS TCRS4-35 - Rear protective structures
- ETS_TCRS4-36 - Lateral protection
- ETS_TCRS4-37 - Load platforms
- ETS_TCRS4-38 - Towing devices
- ETS TCRS4-39 - Tyres
- ETS_TCRS4-40 - Spray-suppression systems
- ETS_TCRS4-41 - Reverse gear
- ETS_TCRS4-42 - Tracks
- ETS TCRS4-43 - Mechanical couplings
- ETS_TCRS4-44 - Requirements applying to roll-over protection structures (dynamic testing)
- ETS_TCRS4-45 - Requirements applying to roll-over protection structures (track-laying tractors)
- ETS_TCRS4-46 - Requirements applying to roll-over protection structures (static testing)
- ETS_TCRS4-47 - Requirements applying to roll-over protection structures (front mounted roll-over protective
structures on narrow- track tractors)
- ETS_TCRS4-48 - Requirements applying to roll-over protection structures (rear mounted roll-over protective
structures on narrow- track tractors)
- ETS_TCRS4-49 - Requirements applying to falling objects protection structures
- ETS_TCRS4-50 - Requirements applying to passenger seETS ETS_TCRS4-51 - Requirements applying to the driver's exposure to poise level
- ETS_TCRS4-51 - Requirements applying to the driver's exposure to noise level



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REVISIONE **003**

DATA DI REVISIONE **14-12-2023** REVIEW DATE

DATA DI SCADENZA 22-04-2028 EXPIRY DATE

1		
- ETS_TCRS4-52 - Requiremer	nts applying to the driving seat	
- ETS_TCRS4-53 - Requiremer	nts applying to operating space a	and to access to the driving position
- ETS_TCRS4-54 - Requiremer	nts applying to power take-offs	
- ETS_TCRS4-55 - Requiremer	nts applying to the protection of	drive components
	nts applying to seat-belt anchora	
- ETS_TCRS4-57 - Requiremer		5
	nts applying to the protection ag	ainst penetrating obiects
	nts applying to exhaust systems	
	its applying to the operator's ma	anual
		ncluding safety and reliability of control systems and
emergency and automatic sto		
5,	nts applying to the protection ag	ainst other mechanical hazards
	its applying to guards and prote	
	nts applying to information, war	
ETS_TCRS4-65 - Requirement	nts applying to materials and pro	nings and markings
- ETS_TCRS4-66 - Requiremer		
- ETS_TCRS4-67 - Emergency	exil	
- ETS_TCRS4-68 - Cab ventilat		
- ETS_TCRS4-69 - Burning rat		2000/25 107/50
	nissions (emission stages from 2	
	l (external) (limit values from 20	
- ETS_TCRS4-72 - Requiremer	nts applying to protection agains	t hazardous substances
Vehicle & Components		
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	ons concerning the International	
		notor vehicle headlamps emitting an asymmetrical
passing-beam and/or a drivir	ng-beam and equipped with filar	nent lamps of categories R2 and/or HS1
- R2_RFI_TS - Uniform provision		ncandescent electric lamps for headlamps emitting an
- R2_RFI_TS - Uniform provision asymmetrical passing beam of	or a driving beam or both	ncandescent electric lamps for headlamps emitting an
- R2_RFI_TS - Uniform provision asymmetrical passing beam of - R3_RFI_TS - Uniform provision	or a driving beam or both	
 R2_RFI_TS - Uniform provision asymmetrical passing beam of R3_RFI_TS - Uniform provision their trailers 	or a driving beam or both ons concerning the approval of r	ncandescent electric lamps for headlamps emitting an etro-reflecting devices for power-driven vehicles and
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DATA DI REVISIONE **14-12-2023** REVIEW DATE DATA DI SCADENZA EXPIRY DATE 22-04-2028





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-	
	- R36_RFI_TS - Uniform provisions concerning the approval of large passenger vehicles with regard to their general
	construction - R37_RFI_TS - Uniform provisions concerning the approval of filament lamps for use in approved lamp units of
	power-driven vehicles and of their trailers - R38 RFI TS - Uniform provisions concerning the approval of rear fog lamps for power-driven vehicles and their
	trailers
	- R39_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to the speedometer equipment including its installation
	- R40_RFI_TS - Uniform provisions concerning the approval of motor cycles equipped with a positive-ignition engine
	with regard to the emission of gaseous pollutants by the engine
	- R41_RFI_TS - Uniform provisions concerning the approval of motor cycles with regard to noise
	- R42_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to their front and rear protective devices (bumpers, etc.)
	- R43 RFI TS - Uniform provisions concerning the approval of safety glazing materials and their installation on
	vehicles
	 R44_RFI_TS - Uniform provisions concerning the approval of restraining devices for child occupants of power- driven vehicles ("Child Restraint Systems")
	- R45_RFI_TS - Uniform provisions concerning the approval of headlamp cleaners, and of power-driven vehicles with
	regard to headlamp cleaners - R46 RFI TS - Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with
	regard to the installation of these devices
	- <i>R47_RFI_TS</i> - Uniform provisions concerning the approval of mopeds equipped with a positive-ignition engine with regard to the emission of gaseous pollutants by the engine
	- R48_RFI_TS - Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and
	light- signalling devices
	- R49_RFI_TS - Uniform provisions concerning the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines and positive-ignition engines for use in vehicles
	- R50_RFI_TS - Uniform provisions concerning the approval of front position lamps, rear position lamps, stop lamps,
	direction indicators and rear-registration-plate illuminating devices for vehicles of category L
	- R51_RFI_TS - Uniform provisions concerning the approval of motor vehicles having at least four wheels with regard to their noise emissions
	- R52_RFI_TS - Uniform provisions concerning the approval of M2 and M3 small capacity vehicles with regard to their
	general construction - R53 RFI TS - Uniform provisions concerning the approval of category L3 vehicles with regard to the installation of
	lighting and light-signaling devices
	- R54_RFI_TS - Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers
	- R55_RFI_TS - Uniform provisions concerning the approval of mechanical coupling components of combinations of
	vehicles - R56 RFI TS - Uniform provisions concerning the approval of headlamps for mopeds and vehicles treated as such
	- R57_RFI_TS - Uniform provisions concerning the approval of headlamps for motor cycles and vehicles treated as
	such
	- R58A_RFI_TS - Uniform provisions concerning the approval of: I. Rear underrun protective devices (RUPDs) - R58B_RFI_TS - Uniform provisions concerning the approval of: II. Vehicles with regard to the installation of an
	RUPD of an approved type
	- R58C_RFI_TS - Uniform provisions concerning the approval of: III. Vehicles with regard to their rear underrun protection (RUP)
	- R59 RFI TS - Uniform provisions concerning the approval of replacement silencing systems
	- R60_RFI_TS - Uniform provisions concerning the approval of two-wheeled motor cycles and mopeds with regard to
	driver- operated controls including the identification of controls, tell-tales and indicators



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SEDE OPERATIVA E AMMINISTRATIVA

Via Tonale, 26









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Allegato CSACI al Certificato di Accreditamento 0251ISP Annex CSACI to the Accreditation Certificate 0251ISP



REVISIONE 003

DATA DI REVISIONE 14-12-2023 REVIEW DATE

R104_RFI_TS - Uniform provisions concerning the approval of retro-reflective markings for vehicles of category M, N and O R105_RFI_TS - Uniform provisions concerning the approval of vehicles intended for the carriage of dangerous goods with regard to their specific constructional features R106 RFI TS - Uniform provisions concerning the approval of pneumatic tyres for agricultural vehicles and their trailers - R107_RFI_TS - Uniform provisions concerning the approval of category M2 or M3 vehicles with regard to their general construction R108_RFI_TS - Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for motor vehicles and their trailers - R109 RFI TS - Uniform provisions concerning the approval for the production of retreaded pneumatic tyres for commercial vehicles and their trailers R110A RFI TS - Uniform provisions concerning the approval of; I. Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system; R110B RFI TS - Uniform provisions concerning the approval of: II. Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system R111_RFI_TS - Uniform provisions concerning the approval of tank vehicles of categories N and O with regard to rollover stability R112_RFI_TS - Uniform provisions concerning the approval of motor vehicle headlamps emitting an asymmetrical passing-beam or a driving-beam or both and equipped with filament lamps and/or light-emitting diode (LED) modules R113_RFI_TS - Uniform provisions concerning the approval of filament, gas-discharge light sources or LED modules R114A RFI TS - Uniform provisions concerning the approval of: i.an airbag module for a replacement airbag system; - R114B_RFI_TS - Uniform provisions concerning the approval of: ii. a replacement steering wheel equipped with an airbag module of an approved type R114C RFI TS - Uniform provisions concerning the approval of: iii. a replacement airbag system other than that installed in a steering wheel R115B RFI TS - Uniform provisions concerning the approval of: I. Specific LPG (liquefied petroleum gases) retrofit systems to be installed in motor vehicles for the use of LPG in their propulsion system R115B RFI TS - Uniform provisions concerning the approval of: II. Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system R116_RFI_TS - Uniform provisions concerning the protection of motor vehicles against unauthorized use - R117_RFI_TS - Uniform provisions concerning the approval of tyres with regard to rolling sound emissions and to adhesion on wet surfaces R118 RFI TS - Uniform technical prescriptions concerning the burning behavior and/or the capability to repel fuel or lubricant of materials used in the construction of certain categories of motor vehicles - R119 RFI TS - Uniform provisions concerning the approval of cornering lamps for power-driven vehicles R120 RFI TS - Uniform provisions concerning the approval of internal combustion engines to be installed in agricultural and forestry tractors and in non-road mobile machinery, with regard to the measurement of the net power, net torque and specific fuel consumption R121 RFI TS - Uniform provisions concerning the approval of vehicles with regard to the location and identification of hand controls, tell-tales and indicators R122 RFI TS - Uniform provisions concerning the approval of vehicles of categories M, N and O with regard to their heating systems R123 RFI TS - Uniform provisions concerning the approval of adaptive front-lighting systems (AFS) for motor vehicles R124 RFI TS - Uniform provisions concerning the approval of wheels for passenger cars and their trailers



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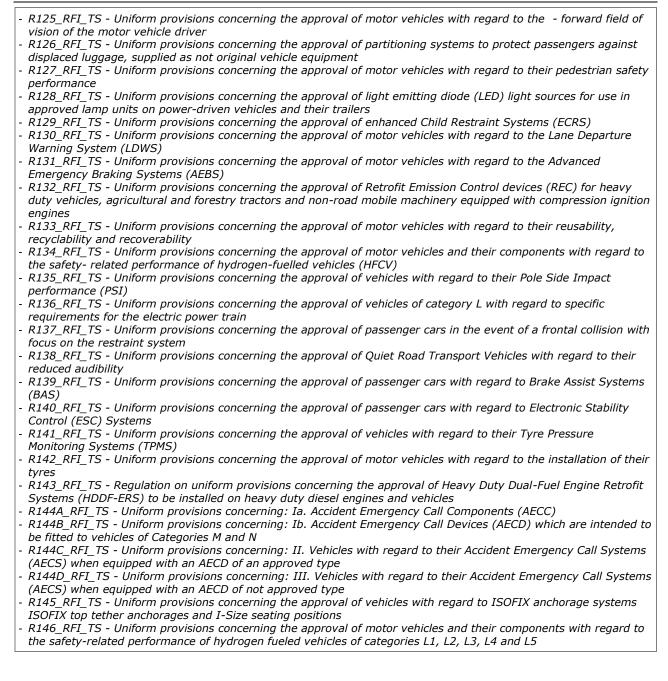
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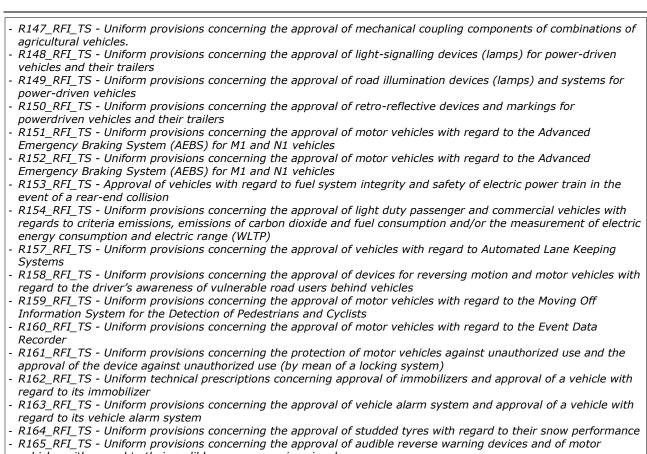
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- vehicles with regard to their audible reverse warning signals
- R166_RFI_TS Uniform Provisions Concerning the Approval of Devices and Motor Vehicles with Regard to the Driver's Awareness of Vulnerable Road Users in Close-Proximity to the Front and Lateral Sides of Vehicles

- R167_RFI_TS - Uniform Provisions Concerning the Approval of Motor Vehicles with Regard to Their Direct Vision

NRMM

- ETS NRMM-01 97/68 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinerv.
- ETS NRMM-02 REGULATION on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations No 1024/2012 and No 167/2013, and amending and repealing 97/68.

ETS_NRMM-03 - Supplementing Regulation 2016/1628 with regard to technical and general requirements relating to emission limits and type-approval for internal combustion engines for non-road mobile machinery.



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29/30









REVISIONE **003**

DATA DI REVISIONE 14-12-2023 REVIEW DATE

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- ETS_NRMM-04 - Correcting the Estonian language version Regulation 654 supplementing Regulation 2016/1628 with regard to technical and general requirements relating to emission limits and type-approval for internal combustion engines for non-road mobile machinery.

ETS_NRMM-05 - Supplementing Regulation 2016/1628 with regard to monitoring of gaseous pollutant emissions from in-service internal combustion engines installed in non-road mobile machinery.

- ETS_NRMM-06 - Laying down the administrative requirements relating to emission limits and type-approval of internal combustion engines for non-road mobile machinery in accordance with Regulation 1628.



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SEDE OPERATIVA E AMMINISTRATIVA