



Roadworthiness testing and vehicle registration documents

12th Technical Committee on Road Safety

Brussels, 6 December 2022

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Outline

EU legislative framework, objectives

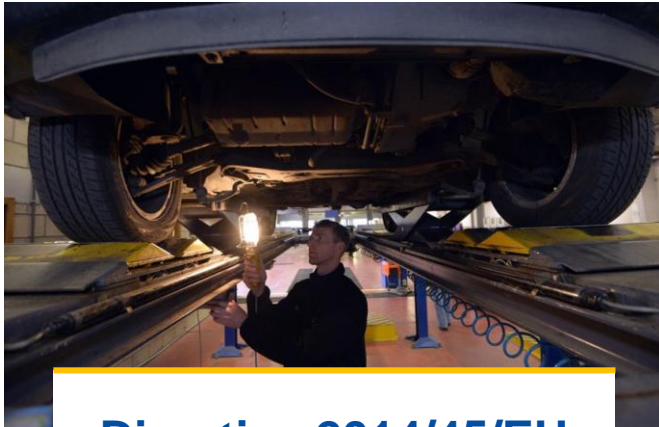
Policy context, new challenges, revision

Some details on concrete provisions

- Scope of vehicles, frequency of testing
- Content and methods of inspection
- Roadworthiness certificate
- Harmonisation and exchange of vehicle data

Questions

EU legislative framework: “Roadworthiness Package”



Directive 2014/45/EU

Periodic roadworthiness tests for motor vehicles and their trailers
(“PTI Directive”)

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Implementing Regulation (EU) 2019/621 on the technical information necessary for roadworthiness testing



Directive 2014/46/EU

amending Directive 1999/37/EC

Registration documents for vehicles



Directive 2014/47/EU

Technical roadside inspection of the roadworthiness of commercial vehicles circulating in the Union
(“RSI Directive”)

Objectives of existing legislation

Main objectives

- Keep vehicles **safe throughout** their **useful life** – remove unsafe vehicles from the road
- Identify and remove gross polluters
- Prevent manipulations / tampering
- Contribute to free movement

Practical considerations

- Need relatively simple, inexpensive testing (proportionality)
- Cover all relevant items (safety, emissions)
- Different organisation of PTI/RSI,
- Different set of data registered in Member States

Policy context, new challenges

- **Technological progress, stricter emission and safety standards** require inspection to be adapted
- Relevant actions announced in Mobility Strategy:
 - Improve emission testing in roadworthiness checks
 - Assess the need for a proposal to require efficient exchange of odometer readings across the EU

Challenges

- General Safety Regulation – electronic safety & driver assistance systems becoming mandatory
- Euro 6 & 7: more stringent emission requirements
- Accessibility to RW-relevant vehicle identification & status data
- Tampering & fraud on vehicles

Planned revision of the package

- Announced in Sustainable and Safe Mobility Strategy (2020)
- To ensure lifetime compliance of vehicles with **emission** and **safety** standards
- COM proposal planned for 2023
 - Public consultation done (July-September 2022)
 - Evaluation of current rules ongoing, targeted consultation to start soon
 - Regular discussion with Expert Group on Roadworthiness
 - Impact assessment in 2023

Specific provisions

Periodic and roadside inspections, vehicle registration

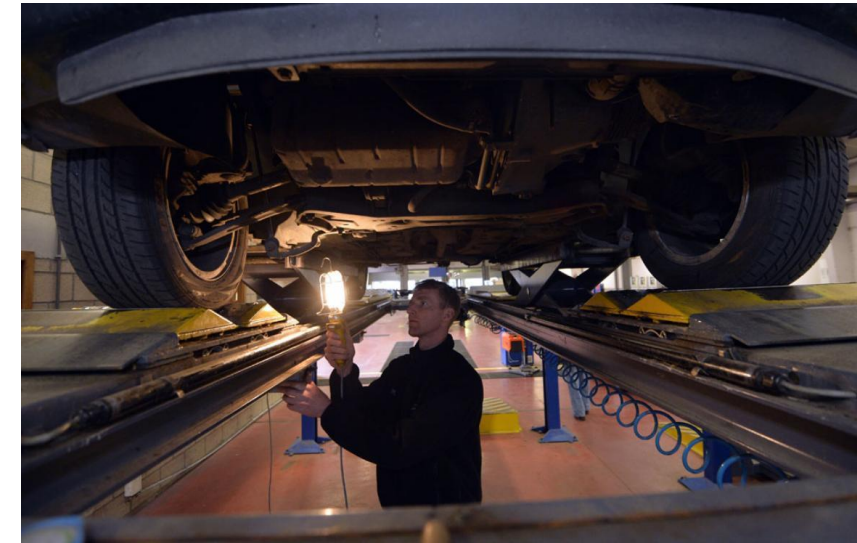
PTI – scope and frequency of testing

Current scope

- Cars, vans (4-2-2)
- Ambulances, taxis, like buses, lorries and large trailers (O3, O4) – yearly
- Tractors used for haulage (T-cat., 4-2-2)
- L-cat. (motorcycles, ...) >125 cm³ since 2022, option to apply alternative measures

Possible changes*

- Adjust frequency based on age/mileage
- Include smaller trailers, mopeds, all tractors > 40km/h?
- Review opt out for L-cat.



****disclaimer: preliminary ideas to be assessed and agreed***

Periodic Technical Inspections (PTI)



Main requirements

- MS of registration to carry out PTI – authority or authorised private body
- Assess deficiencies according to Annex I (minor, major, dangerous)
- Issue RW certificate (Annex II), to be **recognised by other MSs**
- Follow-up deficiencies, provide proof of test
- Requirements on **testing centres**, facilities, equipment, calibration (Annex III)
- **Independent inspectors'** competence, training (Annex IV)
- Competent and impartial **supervising bodies** (Annex V)

Periodic Technical Inspections (PTI)



Content of the test

- (0) Identification of the vehicle;
- (1) Braking equipment;
- (2) Steering;
- (3) Visibility;
- (4) Lighting equipment and parts of the electrical system;
- (5) Axles, wheels, tyres, suspension;
- (6) Chassis and chassis attachments;
- (7) Other equipment;
- (8) Nuisance (i.e. air & noise pollution);
- (9) Supplementary tests for buses, coaches

Roadworthiness certificate

- To be recognised by other Member States, if valid,
 - for the purpose of re-registering
 - if change of ownership
- May be electronic, but has to be available to the person presenting the vehicle for testing (printout)
- Include **odometer reading**, next to basic vehicle data and result of the test
- Results to be made available electronically to the authority

NCT CERTIFICATE **TEASTAS NCT**

990040100077

It is hereby certified that the vehicle described in this Certificate was tested on **10-09-2009** in accordance with the Road Traffic (National Car Test) Regulations and was found to comply therewith.

Deimhnítear leis seo gur tástáladh an fheithicil a chuirtear síos uirthi sa Teastas seo ar an **10-09-2009** de réir na Rialachán um Thrácht ar Bhóithre (An Trialacháin Náisiúnta Ghluasteán) agus go gceolonn an fheithicil leis na rialacháin chéanna.

PARTICULARS/SONRAÍ

1. VIN: 143 Uimhir UTF:	2. Registration Number: TEST5 IRL Uimhir Chláraithe:
3. Place and Date of Test: Northpoint 2 (Exit 4, M50) 10-09-2009 Áit agus Dáta na tástála:	
4. Odometer Reading: 95437mi Léamh Odaiméadair:	Date 10-09-2009 Dáta
Odometer Reading: Léamh Odaiméadair:	Date Dáta
Odometer Reading: Léamh Odaiméadair:	Date Dáta
Odometer Reading: Léamh Odaiméadair:	Date Dáta
5. Vehicle Category: M1 Catagóir na feithicil:	6. Identified Deficiencies: Féach ar tuairisc chigireachta na feithicil Easnamh a tugadh:
7. Test Result: Pas Toradh Tástála:	8. Expiry Date: 13-04-2009 Dáta Eaga:
9. NCT Centre ID and Tester ID: 17 N/A Ionad NCT ID agus Tástálaí ID:	
10. Other Information: AUDI Eolas Eile:	Model: 80 Cineál:
Colour: GOLD Dath:	Date of First Registration: 14-04-1992 Dáta a Chéadchláraloigh:

The NCT Disc on the right is required by law to be displayed on the inside of your vehicle windscreen.

Ní mór, de réir dlí, an Diosa NCT ar dheis a thaispeáint ar an taobh istigh de ghaothscáth d'fheithicil.

This Certificate should be kept in a safe place. It must be presented as proof that you have complied with the Road Traffic (National Car Test) Regulations.

Ba chóir an Teastas seo a choinneáil in áit shábháilte. Fianaise is ea é gur chloigh tú leis na Rialacháin um Thrácht ar Bhóithre (An Trialacháin Náisiúnta Ghluasteán).

This Certificate relates only to the condition of testable items at the time of test. This Certificate should not be regarded as a warranty, express or implied under common law or at all.

Níl aon léargas sa Teastas seo ach ar staid éirrit-ináistála ag am a dtástála. Níl tuigtear gur barántas é seo. Ní bfuil sin sahráite nó intuíthe faoi bhun reachtalachta nó an dlí chaitlinn nó ar aon chor.

VOID

E 1527679

E 1527679

990040100077

13- 04-09

TEST5 **95437mi**

TEST VEHICLE

AUDI 80 1992

Roadside inspections (RSI)

- **Current scope:** heavy-duty vehicles
- **Main requirements**
 - 5% of fleet to be tested, avoid discrimination based on nationality
 - Based on risk rating (Annex I) or randomly
 - Independence, competence and training of inspectors (as in PTI)
 - Initial (mainly visual) and detailed inspection, if needed
 - Inspection report



Tests, procedures

- Items as in PTI, similar methods
- Cargo securing (optional)
- Exchange of information between contact points (use of ERRU)
- Cooperation in concerted RSI, along with checking compliance with driving and rest time rules
- Reporting to COM

Possible new provisions*

PTI

- Adapt scope and intervals
- Recognise if PTI abroad?
- Electronic RW certificate
- Adapt PTI to electric/hybrid vehicles
- Updates re GSR, Euro 7
- PN-, NO_x-testing
- ePTI? (ISO 20730 series) – need access to vehicle data

RSI

- Adapt scope (light vehicles, L-cat.?)
- More harmonised minimum requirements, incl. on cargo securing
- PN-counting for HDV and LDV?
- NO_x-testing by remote sensing equipment, plume chasing
- Electronic exchange of RSI-data

**disclaimer: preliminary ideas to be assessed and agreed*

Vehicle registration documents

- Mandatory and optional elements on registration certificate (Annex I) – [Ereg](#) works on further harmonisation
- (most) electronically registered, as well as possible suspension
- Mutual assistance among MSs required but not the exchange of data



Harmonisation and exchange of registry data

Possible changes*

- Electronic registration and exchange of additional data, e.g. odometer (history)
- Major accidents/incidents
- PTI status
- Reason for deregistration (end-of life, export, theft, ...)
- Digitalisation of registration certificate



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Thank you



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