



08 series of amendments to UN Regulation No. 83

ECE/TRANS/WP.29/GRPE/2023/2 and GRPE-87-26

GRPE 87th session, 10 - 13 January 2023

UNR 83 08 series – Background

(GRPE-86-07e)

UNR No. 154 introduced new test requirements which superseded some requirements previously in UNR No. 83 (07 series of amendments), including:

- Type 1 WLTP test from GTR 15 replacing the UNR83 Type I NEDC test
- Type 4 evaporative emissions test from GTR 19 replacing the UNR83 Type IV test
- Type 5 durability test with updated requirements developed for UNR154 replacing the UNR83 Type V durability test
- Updated OBD requirements developed for UNR154
- Updated Conformity of Production procedures developed for UNR154

UNR 83 08 series – Background

(GRPE-86-07e)

Some UNR83 tests have not been updated and need to remain in UNR83:

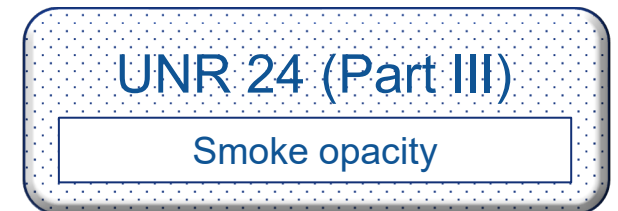
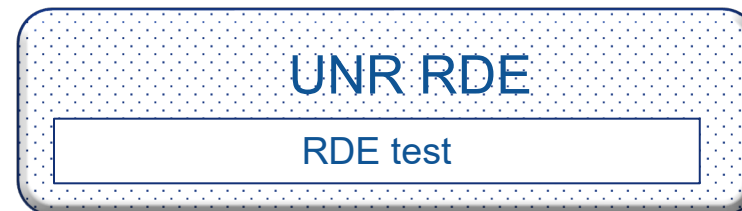
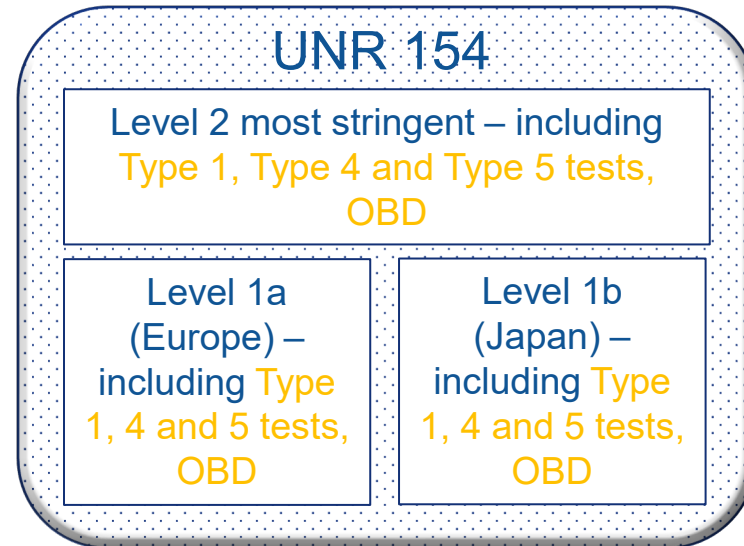
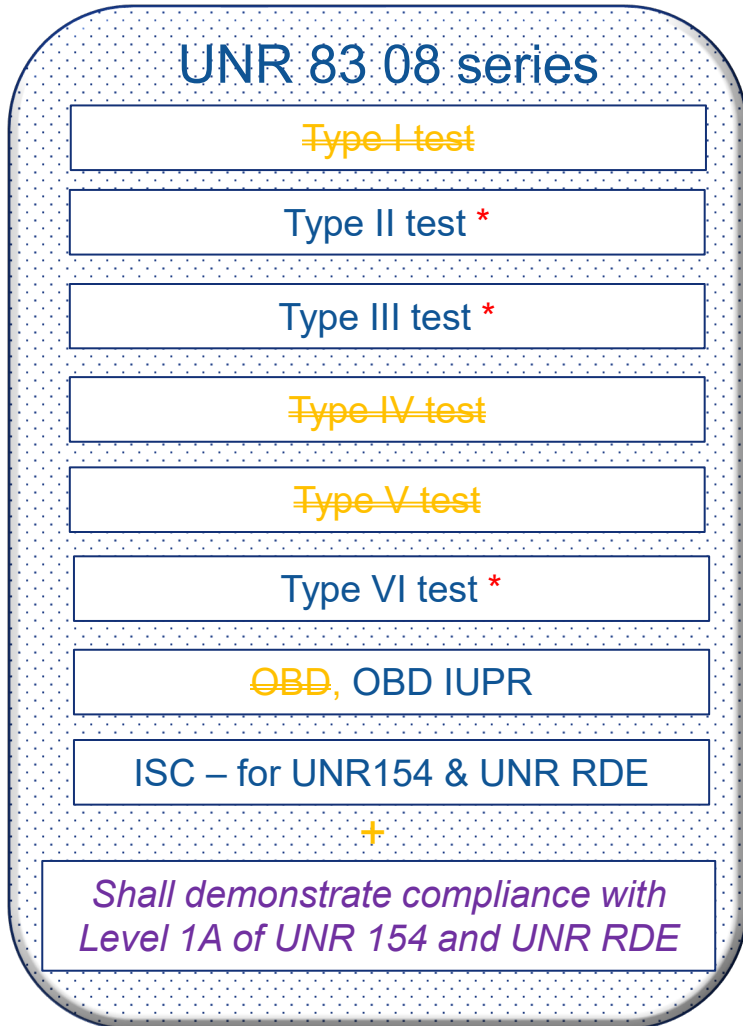
- Type II (measuring carbon monoxide emission at engine idling speeds)
- Type III (verifying emissions of crankcase gases)
- Type VI (verifying the average emissions at low ambient temperatures)

Include additional EU elements:

- In-Service Conformity requirements – to cover UNR154 and UNR RDE, in accordance with the ‘Euro 6e’ proposal
- In-Use Performance Requirements (IUPR) for OBD

UNR83-08 vs UNR154 and UNR RDE (GRPE-86-07e)

UNR 85 and UNR 24 (if applicable)



* Update to align with 'WLTP world' where appropriate (e.g. allow use of UNR154 road load coefficients and test mass)

Thank you