

# **Japan Observations on Euro7 transposition items**

Ad-hoc WLTP Meeting  
prepared by Japan  
20<sup>th</sup> January, 2025



<remarks>

<i>item</i>	<i>JPN Positions</i>	<i>Justifications</i>	<i>current</i>
OBM provisions	do not apply to Level 1B at this stage	the timing between new series and Japan internal process for next actions does not match	Each Level1A/1B has unique requirement
New Particle Number provisions			↑ (including UNR168)
New SHED limit for evaporative emissions	↑ request to have separate limit for Level 1A and 1B		Level1A/1B is harmonized
Updated lifetime provisions relating to durability	do not update Level 1B provisions at this stage		Each Level1A/1B has unique requirement
New requirements for anti-tampering and (cyber) security	do not apply to Level 1B at this stage	follow EU concrete requirement first, then consider implementation at later stage to avoid anti-harmonization	NA
New requirements for manipulation devices/strategies			
Introduction of an Environmental Vehicle Passport			
Gear Shift Indicator requirements	do not apply to Level 1B at this stage	does not have particular needs (same as current)	
Introduction of requirement for EV range at low temperature			
Updated OBFCM provisions	keep discussion with related CPs/OICA for possible harmonization		ICE/HEV

## (2) From Level 1B items to Level 1A

OBFCM_1		UNR154			JPN regional requirement	remarks
		02 (Level1A)	02 (Level1B)	03 (Level2)		
scope	ICE/HEV	✓	NA→✓	✓	✓	will be harmonized
	PEV/LPG/NG /Hydrogen/FC	NA→✓ (PEV only)	NA→✓	NA→✓	✓	depends on the power-train Level 1A/1B are different application
definitions	----	✓	✓	✓	✓	NA
	new parameter	NA→✓	NA→✓	NA→✓	✓	cover all parameter
parameter	----	✓	✓	✓	✓	NA
	Total external charging amount (lifetime value)	NA→?	NA→✓	NA→✓	✓	?: under the discussion
	Energy consumption rate per second	NA→?	NA→✓	NA→✓	✓	
	distinguish vehicle /battery energy profile	NA→✓	NA→?	NA→✓	NA	
	SOCE/SOCR	NA→?	NA→✓	NA→✓	✓	
	VIN per ISO 3779	NA→?	NA→✓	NA→✓	✓	

OBFCM_2		UNR154			JPN regional requirement	remarks
		02 (Level1A)	02 (Level1B)	03 (Level2)		
Accuracy	ICE/HEV	✓	NA→✓	✓	✓	will be harmonized
	PEV/LPG/NG /Hydrogen/FC	NA→✓ (PEV only)	NA	NA→✓	NA	Level 1B : no plan to require at this stage
Tampering		✓ (6.1.7.)		✓	✓ (under OBFCM section)	NA
Reset record		NA→?	NA→✓	NA→✓	✓	? : under the discussion
COP		✓ (all)	NA→✓ (ICE/HEV only)	✓	NA	Level 1B : no plan to require other than ICE/HEV
Certified UBE		NA	NA→✓	NA→✓	NA	refer GTR#22

Test Cycles		UNR154			JPN regional requirement	remarks
		02 (Level1A)	02 (Level1B)	03 (Level2)		
powertrain	OVC-HEV NOVC-HEV	Class 3			Class 3	NA (no request from industry)
	OVC-FCHV	Class 3	NA → Class 3	Class 3	NA	
	NOVC-FCHV	Class 3			Class 3	NA
	PEV	Class 3 →?	Class 3 → classification*	Class 3 → ?	✓	? : Japan has no strong request (Level 1A already has “City” cycle) * : System power is determined according to GTR#21. Not apply “shorten test procedure”

FCHV Range tests		UNR154			JPN regional requirement	remarks
		02 (Level1A)	02 (Level1B)	03 (Level2)		
OVC-FCHV	3-phase	NA	NA → ✓*	NA → ✓*	NA	? : Japan has no strong request * : still under the development
	4-phase	NA → ?	NA	NA → ?		
	City	NA → ?		NA → ?		
NOVC-FCHV	3-phase	NA	NA → ✓*	NA → ✓*		
	4-phase	NA → ?	NA	NA → ?		
	City	NA → ?		NA → ?		
(reference) PEV	3-phase	NA	✓	✓	✓	NA
	4-phase	✓	NA	✓	NA	
	City	✓		✓		