

In-Service Conformity Report 2025

Swedish Transport Agency, In Service Conformity (ISC)
testing according to EU Regulation 2017/1151 as amended
by EU Regulation 2018/1832 (Euro 6-D) and 2023/443
(Euro 6-E)

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Type Approval Road

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A.Quick overview and main conclusions

As of 01 January 2020, Granting Type Approval Authorities (GTAA) are required to perform ISC testing. These requirements are contained within Annex II, Part B, of Regulation (EU) 2017/1151, as amended by 2018/1832 (Euro6-D) and 2023/443 (Euro6-E). The regulation also opens up the possibility for accredited laboratories and technical services to conduct ISC testing, from now on referred to as third party testing. This report summaries the testing for ISC 2025 conducted by manufacturers, third parties and the Swedish Transport Agency (STA) during the calendar year 2025. STA is the GTAA in Sweden.

Manufacturers in GTAA (STA) ISC 2025 testing programme.

- Ford-Werke GmbH
- Hyundai Motor Türkiye Otomotiv Anonim Sirketi
- Hyundai Motor Manufacturing Czech s.r.o.
- Jaguar Land Rover Limited
- Kia Corporation
- Kia Slovakia s.r.o.
- Volvo Car Corporation
- Ford Motor Company of Australia Pty Ltd
- BMW AG
- SAIC Motor Corporation Limited
- Volkswagen AG
- Audi AG
- BMW M GmbH

The table below describes the outcome of ISC 2025. One of the FAILED tests was an extreme outlier which is under investigation.

ISC 2025	Planned vehicles	Vehicles not identified	Tested Extra vehicles	Total Tested vehicles	PASS tests	FAILED tests
GTAA (STA)	81	3	1	79	77	2 ¹
3 rd Parties	0			0		

¹ One extreme outlier, investigation ongoing.

Glossary

Term	Description
ISC	In-Service Conformity
GTAA	Granting Type Approval Authority
STA	Swedish Transport Agency
RDE	Real Driving Emission
PEMS	Portable Emission Measurement System
VIN	Vehicle Identification Number
UND	Undecided
NTE	Not to exceed
COC	Certificate of Conformity
MRO	Mass In Running Order
OBD	On Board Diagnostics
ICE	Internal Combustion Engine
NOVC	Not Off Vehicle Charging
OVC	Off Vehicle Charging
HEV	Hybrid Electric Vehicle
WLTP	Worldwide Harmonised Light Vehicles Test Procedure
CO	Carbon Monoxide
HC	Hydro Carbons
NMHC	Non-Methane Hydro Carbons
THC	Total Hydro Carbons
NOx	Nitrogen Oxides
PM	Particle Mass
PN	Particle Number
ETA	Emission Type Approval number
Type1	WLTP test in chassis dynamometer
Type1A	RDE test with PEMS
IP family	Interpolation family
ISC family	In-Service Conformity family
JRC	Joint Research Centre
ACEA	European Automobile Manufacturers Association
FORUM	Forum for Exchange of Information on Enforcement as established according to article 11 of EU regulation 2018/858

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B. ISC activities performed by the manufacturer in the previous year

1 Information gathering by manufacturer

No data available

2 ISC testing

This section is an overview of the testing performed per manufacturer. The results of the testing are reported according to the FORUM² consensus reached -22 May 2024 regarding the interpretation of the legislation 2017/1151 Article 9 and 2018/1832 Annex II and published in November 2024.

Article 9(3) of Regulation 2017/1151 states:

The requirements for in-service conformity checks are applicable until 5 years after the last Certificate of Conformity or individual approval certificate is issued for vehicles of that in-service conformity family.

Explanation for upcoming tables for ISC manufacturer testing.

PASS (P) = Statistical folder for the period is closed with PASS result

x = Valid for ISC testing

- = Not valid for ISC testing

→ = PASS results remain valid. Testing needed the following year.

und (**u**) = Undecided after 12 of the 24-month period, testing needed the following year.

UND (U) = Undecided after the 24-month period between testing of the ISC-family has expired, legal requirement not met.

END (E) = Testing for the ISC-family is finalized, five years after the last COC is issued

TEST (T) = Test required before the end of the year

² Forum for Exchange of Information on Enforcement as established according to article 11 of EU regulation 2018/858



2.1 Ford-Werke GmbH

2.1.1 Type1 tests performed by manufacturer

Table 2-1. Ford-Werke GmbH, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	x	x	x	x	5-WF0-P34	u	P	→	P	P	→
x	x	x	x	x	5-WF0-D40	u	P	→	P	→	T
x	-	x	2x	x	5-WF0-D36	u	P	→	P	→	T
-	-	-	x	2x	5-WF0-D55	-	-	-	u	P	→
-	-	-	-	x	5-WF0-D56	-	-	-	-	u	T
-	-	-	-	x	5-WF0-P63	-	-	-	-	P	→
-	-	-	-	x	5-WF0-P64	-	-	-	-	u	T
-	-	-	-	x	5-WF0-P69	-	-	-	-	u	T
-	-	-	-	x	5-WF0-P70	-	-	-	-	P	→
-	-	-	-	x	5-WF0-P71	-	-	-	-	P	→

2x = Sales for previous year > 100000 → Two test slots

2.2 Hyundai Motor Türkiye Otomotiv Anonim Sirketi

2.2.1 Type1 tests performed by manufacturer

Table 2-2. Hyundai Motor Türkiye Otomotiv Anonim Sirketi, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	-	-	-	-	11-HAO-1	P	→	P	→	P	E
x	-	-	-	-	11-HAO-3	P	→	P	→	P	E
x	-	-	-	-	11-HAO-4	P	→	P	→	P	E
-	x	x	x	x	5-HAO-1	-	u	P	→	P	→
-	x	x	x	x	5-HAO-3	-	u	P	→	P	→
-	x	x	x	x	5-HAO-4	-	u	P	→	P	→
x	x	x	x	x	5-HAO-17	u	P	→	P	→	T
x	x	x	x	x	5-HAO-18	u	P	→	P	→	T

2.3 Hyundai Motor Manufacturing Czech s.r.o

2.3.1 Type1 tests performed by manufacturer

Table 2-3. Hyundai Motor Manufacturing Czech s.r.o, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	-	-	-	-	11-HMM-5	P	→	P	→	P	E
x	-	-	-	-	11-HMM-6	P	→	P	→	P	E
x	-	-	-	-	11-HMM-8	P	→	P	→	P	E
x	-	-	-	-	11-HMM-1 ³ 11-HMM-10	u	P	→	P	→	E
x	-	-	-	-	11-HMM-2 ⁴ 11-HMM-11	u	P	→	P	→	E
x	-	-	-	-	11-HMM-3 ⁵ 11-HMM-12	u	P	→	P	→	E
x	x	-	-	-	11-HMM-4 ⁶ 11-HMM-13	u	P	→	P	→	T
x	-	-	x	-	11-HMM-14	u	P	→	P	→	T
x	-	-	-	-	11-HMM-15	u	P	→	P	→	E
-	x	x	x	x	5-HMM-1	-	u	P	→	P	→
-	x	x	x	x	5-HMM-2	-	u	P	→	P	→
-	x	-	-	-	5-HMM-3	-	u	P	→	P	→
-	x	-	-	-	5-HMM-4	-	u	P	→	P	→
-	x	x	x	-	5-HMM-5	-	P	→	P	→	T
-	x	x	x	x	5-HMM-12	-	u	P	→	P	→
-	-	x	x	-	5-HMM-14	-	-	u	P	P	→
-	-	x	x	-	5-HMM-15	-	-	P	→	P	→
-	-	-	-	x	5-HMM-16	-	-	-	-	u	T
-	x	x	x	x	5-HMM-17	-	u	P	→	P	→
-	x	x	x	x	5-HMM-18	-	u	P	→	P	→
-	x	x	x	x	5-HMM-19	-	u	P	→	P	→
-	x	x	x	x	5-HMM-20	-	u	P	→	P	→

³ ISC-families 11-HMM-1 and 11-HMM-10 are the same with identical specifications, agreed with STA.

⁴ ISC-families 11-HMM-2 and 11-HMM-11 are the same with identical specifications, agreed with STA.

⁵ ISC-families 11-HMM-3 and 11-HMM-12 are the same with identical specifications, agreed with STA.

⁶ ISC-families 11-HMM-4 and 11-HMM-13 are the same with identical specifications, agreed with STA.

2.4 Jaguar Land Rover Limited

2.4.1 Type1 tests performed by manufacturer

Table 2-4. Jaguar Land Rover Limited, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	x	x	-	-	5-SAJ-026	-	P	P	P	→	T
-	-	x	-	-	5-SAL-028	-	-	P	P	→	T
-	-	-	-	x	5-SAL-036	-	-	-	-	u	T
-	-	-	-	x	5-SAL-037	-	-	-	-	P	→

2.5 Kia Corporation

2.5.1 Type1 tests performed by manufacturer

Table 2-5. Kia Corporation, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	x	-	-	-	11-KMC-4	P	→	P	→	P	→
x	-	-	-	-	11-KMC-5	P	→	P	P	→	E
x	-	-	-	-	11-KMC-7	P	→	P	P	→	E
x	-	-	-	-	11-KMC-8	P	P	P	P	→	E
-	x	x	x	x	5-KMC-12	-	u	P	→	P	→
-	x	x	x	x	5-KMC-13	-	u	P	→	P	→
x	x	x	x	x	5-KMC-14	u	P	P	→	P	→
-	x	x	x	x	5-KMC-15	-	u	P	→	P	→
-	-	x	x	x	5-KMC-16	-	-	P	→	P	→

2.6 Kia Slovakia s.r.o

2.6.1 Type1 tests performed by manufacturer

Table 2-6. Kia Slovakia s.r.o., ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	-	-	-	-	11-HMM-5	P	→	P	P	→	E
x	-	-	-	-	11-HMM-6	P	→	P	P	→	E
x	-	-	-	-	11-HMM-8	P	→	P	P	→	E
x	-	-	-	-	11-HMM-15	U	P	→	P	→	E
-	x	-	-	-	5-KMC-1	-	u	P	→	P	→
-	x	-	-	-	5-KMC-2	-	u	P	→	P	→
-	x	-	-	-	5-KMC-4	-	u	P	→	P	→
-	x	-	-	-	5-KMC-5	-	P	→	P	→	T

2.7 Volvo Cars Corporation

2.7.1 Type1 tests performed by manufacturer

Table 2-7. Volvo Cars Corporation, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
x	-	-	-	-	5-YV1-012	→	P	→	P	→	E
x	-	-	-	-	5-YV1-016	→	P	→	P	→	E
x	-	-	-	-	5-YV1-020	u	P	→	P	→	E
x	x	-	-	-	5-YV1-021	P	→	P	→	P	→
x	x	x	x	-	5-YV1-022	u	P	→	P	→	T
x	x	x	x	x	5-YV1-023	P	→	P	→	P	→
x	x	x	x	x	5-YV1-026	u	P	→	P	→	T
x	x	x	x	x	5-YV1-027	P	→	P	→	P	→
-	-	x	x	x	5-YV1-030	u	P	→	P	→	T
-	x	x	x	-	5-YV1-031	-	u	P	→	P	→
-	-	-	-	x	5-YV1-032	-	-	-	-	u	T
-	-	-	-	x	5-YV1-033	-	-	-	-	u	T
-	-	-	-	x	5-YV1-035	-	-	-	-	u	T

2.8 Ford Motor Company of Australia Pty Ltd

2.8.1 Type1 tests performed by manufacturer

Table 2-8. Ford Motor Company of Australia Pty Ltd, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	-	x	x	x	5-6FP-D49 ⁷	-	-	u	P	→	T
-	-	x	x	-	5-6FP-D50 ⁸	-	-	P	→	P	→
-	-	-	x	x	5-6FP-D51	-	-	-	u	P	→

2.9 BMW AG

2.9.1 Type1 tests performed by manufacturer

Table 2-9. BMW AG, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	x	x	x	-	5-WBA-DH13	-	u	P	→	P	→
-	-	x	x	x	5-WBA-DH14	-	-	u	P	P	→
-	-	-	x	x	5-WBA-DH15	-	-	-	u	P	→
-	-	-	x	x	5-WBA-DH16	-	-	-	u	P	→
-	-	-	x	x	5-WBA-P38	-	-	-	u	P	→
-	-	-	-	x	5-WBA-OH42	-	-	-	-	u	T

2.10 SAIC Motor Corporation Limited

2.10.1 Type1 tests performed by manufacturer

Table 2-10. SAIC Motor Corporation Limited, ISC-families to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	x	x	x	-	5-LSJ-1	-	P	→	P	→	T
-	-	x	x	x	5-LSJ-2	-	-	u	P	→	T
-	-	x	x	x	5-LSJ-3	-	-	u	P	→	T
-	-	-	-	x	5-LSJ-5	-	-	-	-	u	T

⁷ Request from Ford to merge ISC-family 5-6FP-D32 into 5-6FP-D49, with identical specifications.

⁸ Request from Ford to merge ISC-family 5-6FP-D33 into 5-6FP-D50, with identical specifications

2.11 Volkswagen AG

2.11.1 Type1 tests performed by manufacturer

Table 2-11. Volkswagen AG, ISC-family to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	-	-	-	x	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_SY_DNAE_FM6_3_M_1_3-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_SKN_DXRFD_FM6_2_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_SK_DXRA_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_SK_DXRFD_FM6_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_SKN_DXRA_FD7_2_A_1_0-000	-	-	-	-	P	→
-	-	-	x	x	5-VWx-715W_D54	-	-	-	P	→	T
-	-	-	-	x	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_AW_DUSB_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CD_DXDB_FM6_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DUCB_FD6_0_A_1_0-000	-	-	-	-	u	T
-	-	-	-	x	05-VWx-715W_CD_DXDE_FM6_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DUCB_FD6_0_B_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_AW_DSGD_FM5_0_A_1_3-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_A1_DXDB_FD7_0_A_1_2-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CD_DXDB_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_AW_DUSA_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DUCA_FD6_0_B_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CD_DNPD_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DXDC_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_C1_DUSA_FD7_0_A_1_1-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CD_DXDE_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DXNB_AD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	-	-	-	-	P	→
-	-	-	-	x	05-VWx-715W_CJ_DXDB_FD7_0_A_1_0-000	-	-	-	-	P	→

2.12 Audi AG

2.12.1 Type1 tests performed by manufacturer

Table 2-12. Audi AG, ISC-family to test (Type1) and status

Qualified for ISC Sales for previous year>5000					ISC-family	Status: PASS/UND/und/TEST/END					
21	22	23	24	25		21	22	23	24	25	26
-	-	-	-	x	05-WAU-715W_F3_DNNA_QD7_02_A-000	-	-	-	-	u	T

C. ISC activities performed by accredited laboratories or technical services in the previous year

3 Information gathering and risk assessment

No data available

4 ISC testing

No data available

D. ISC activities performed by the granting type approval authority in the previous year

5 Information gathering and risk assessment

A common risk assessment methodology was applied for all manufacturers applicable for ISC testing by the GTAA. Type1 and 1A tests were conducted for this ISC program.

As a first step, all e5*715/2007*2018/1832* and e5*715/2007*2023/443* emissions approvals that were applicable to GTAA ISC testing were identified for each manufacturer. Each approval was accompanied by the associated IP and ISC families, 2024 sales volumes and warranty claims.

5.1 Risk Rating – Based on manufacturer-specific data

This part of the risk rating draws upon the information available from the manufacturer during the initial information gathering step. The rating is built of three parameters, which can each effectively be treated as a form of probability marker, a component of risk for each ISC family:

Rate of emissions-related warranty claims or repairs (%)

The number of warranty claims or repairs divided by the number of sales in 2024.

Sales compared to average ISC family registrations in EU (%)

Comparing average number of registrations per manufacturer (based on ACEA EU



figures), to the sales volume 2024 of the ISC family. This is analogous to the exposure of these vehicles' emissions in market.

ISC family complexity (%)

Calculated by taking the number of IP families in an ISC family and dividing by the total number of IP families across all ISC families included in the risk analysis. This metric is thought to provide an indication of ISC family complexity, since a greater number of IP families generally corresponds to a greater number of vehicle configurations being available. More configurations arguably add complexity for a manufacturer in terms of ensuring robust powertrain design and calibration to support compliant emissions performance across a broad range of configurations, where characteristics such as rated engine power, vehicle mass, exhaust system layouts (and more) could differ considerably within the definition of an ISC family.

These three parameters were then averaged for each ISC family to generate Risk Rating value (%).

Other factors that are included in the risk assessment before the ISC families to be tested within the yearly ISC programme are selected.

- Market availability
- STA ISC-testing history
- Fuels
- Powertrain Architecture
- Fuelling method
- Transmission
- Reports and information from other authorities, technical services or institutes that somehow identify vehicles where there is an increased risk that the exhaust emissions would exceed the applicable legal requirement.

ISC families tested per manufacturer based on the risk analysis are presented table 6-1.

6 ISC testing

Table 6-1. Summary of the GTAA ISC 2025 testing programme. Tested ISC families and the outcome thereof

Sec.	Manufacturer	ISC-family	Planned Vehicles	Tested Vehicles	Result
6.1	Ford-Werke GmbH	5-WF0-D55	6	6	PASS
		5-WF0-P34	3	3	PASS
6.2	Hyundai Motor Türkiye Otomotiv Anonim Sirketi	5-HAO-4	3	3	PASS
		5-HAO-18	3	3	PASS
6.3	Hyundai Motor Manufacturing Czech s.r.o.	5-HMM-20	3	3	PASS
		5-HMM-17	3	3	PASS
6.4	Jaguar Land Rover Limited	5-SAL-037	3	0	N/A
		5-SAJ-026	3	3	PASS
6.5	Kia Corporation	5-KMC-13	3	3	PASS
		5-KMC-14	3	3	PASS
6.6	Kia Slovakia s.r.o	5-KMC-1	3	3	und
6.7	Volvo Cars Corporation	5-YV1-032	3	3	PASS
		5-YV1-023	3	3	PASS
6.8	Ford Motor Company of Australia Pty Ltd	5-6FP-D49	3	3	PASS
		5-6FP-D51	3	3	PASS
6.9	BMW AG	5-WBA-DH15	3	3	PASS
		5-WBA-OH42	3	3	PASS
6.10	SAIC Motor Corporation Limited	5-LSJ-1	3	3	PASS
		5-LSJ-2	3	4	PASS
6.11	Volkswagen AG	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	3	3	PASS
		05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	3	3	PASS
		05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	3	3	PASS
		05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	3	3	PASS
		05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	3	3	PASS
6.12	Audi AG	05-WAU-715W_F3_DNNA_QD7_02_A-000	3	3	PASS
6.13	BMW M GmbH	5-WBS-P68	3	3	PASS
Total:			81	79	

6.1 Ford-Werke GmbH

6.1.1 Tested IP-families / Emission Type Approval Number

Table 6-2. Ford-Werke GmbH ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-WF0-D55		ISC family2 5-WF0-P34	
Designation		TSV 2025–9425		TSV 2025–9423	
Test series in EU ISC-Platform		NA		NA	
IP families/ ETA number	Slot1_vehicle1	IP-V710_2022_00020-WF0-1 e5*715/2007*2018/1832AR*02478*01	Type1 2025-06-03	IP-C519_2022_00007-WF0-1 e5*715/2007*2018/1832AP*02148*00	Type1 2025-04-24
			Type1A(RDE) 2025-06-04		Type1A(RDE) 2025-04-25
	Slot1_vehicle2	IP-V710_2022_00024-WF0-1 e5*715/2007*2018/1832AR*02469*01	Type1 2025-07-10	IP-C519_2022_00007-WF0-1 e5*715/2007*2018/1832AP*02148*00	Type1 2025-04-25
			Type1A(RDE) 2025-07-11		Type1A(RDE) 2025-04-29
	Slot1_vehicle3	IP-V710_2022_00024-WF0-1 e5*715/2007*2018/1832AR*02469*01	Type1 2025-08-27	IP-C519_2022_00007-WF0-1 e5*715/2007*2018/1832EA*02148*02	Type1 2025-07-08
			Type1A(RDE) 2025-09-02		Type1A(RDE) 2025-07-09



		ISC family1 5-WF0-D55		ISC family2 5-WF0-P34	
Slot2_vehicle1	IP-V710_2022_00024-WF0-1 e5*715/2007*2018/1832AR*02469*01	Type1 2025-08-26	-	Type1	
		Type1A(RDE) 2025-08-29		Type1A(RDE)	
	Slot2_vehicle2	IP-V710_2022_00002-WF0 e5*715/2007*2023/443EB*02444*02	Type1 2025-08-27	-	Type1
Slot2_vehicle3	IP-V710_2022_00005-WF0-1 e5*715/2007*2018/1832AP*02435*00	Type1A(RDE) 2025-08-28	-	Type1A(RDE)	
		Type1 2025-08-29		Type1	
		Type1A(RDE) 2025-09-03		Type1A(RDE)	

6.1.2 Test results performed by GTAA

Table 6-3. Type1 test results for Ford-Werke GmbH

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-WF0-D55	119,7	-	-	11,4	57,9	1,35	1,6E+09
Vehicle2	5-WF0-D55	87,1	-	-	12,1	49,0	1,35	2,9E+08
Vehicle3	5-WF0-D55	58,2	-	-	12,4	38,0	1,30	2,5E+09
Vehicle4	5-WF0-D55	68,9	-	-	13,6	41,1	1,30	1,3E+09
Vehicle5	5-WF0-D55	42,0	-	-	13,9	28,6	1,39	6,7E+08
Vehicle6	5-WF0-D55	81,7	-	-	12,9	39,6	1,43	5,1E+08
Vehicle1	5-WF0-P34	331,5	34,1	30,1	11,7	-	0,16	2,8E+10
Vehicle2	5-WF0-P34	335,4	41,8	36,8	16,8	-	0,10	7,8E+10
Vehicle3	5-WF0-P34	393,7	36,9	33,2	15,0	-	0,09	8,0E+10

Table 6-4. Type1A (RDE) test results for Ford-Werke GmbH

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-WF0-D55	126,8	166,7	5,9E+09	179,4	27,4	4,9E+09
Vehicle2	5-WF0-D55	66,4	14,7	2,5E+09	108,3	17,3	2,6E+09
Vehicle3	5-WF0-D55	81,0	7,5	8,0E+09	132,2	10,4	7,6E+09
Vehicle4	5-WF0-D55	56,0	5,2	3,4E+09	66,9	5,2	4,3E+09
Vehicle5	5-WF0-D55	58,4	5,2	4,0E+09	66,8	5,4	2,8E+09
Vehicle6	5-WF0-D55	69,9	6,4	3,8E+09	99,3	9,1	4,7E+09
Vehicle1	5-WF0-P34	167,7	4,2	5,8E+09	189,4	8,6	1,4E+10
Vehicle2	5-WF0-P34	184,1	1,9	1,3E+10	108,0	3,6	1,4E+10
Vehicle3	5-WF0-P34	256,4	3,4	1,3E+10	239,1	7,1	2,9E+10

6.1.3 Statistical folders

Table 6-5. Ford-Werke GmbH, statistical folder for test slot1, status ISC family1 (5-WF0-D55)

		ISC family1, Folder1 (5-WF0-D55), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 N1 Class III 5-WF0-D55-0 63000km				Vehicle2 N1 Class III 5-WF0-D55-0 21890km				Vehicle3 N1 Class III 5-WF0-D55-0 22894km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOX	x				x				x				PASS
	THC+NOX	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-6. Ford-Werke GmbH, statistical folder for test slot2, status ISC family1 (5-WF0-D55)

		ISC family1, Folder2 (5-WF0-D55), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 N1 Class III 5-WF0-D55-0 21488km				Vehicle2 M1 5-WF0-D55-2 15800km				Vehicle3 M1 5-WF0-D55-0 34468km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOX	x				x				x				PASS
	THC+NOX	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-7. Ford-Werke GmbH, statistical folder status ISC family2 (5-WF0-P34)

		ISC family2 (5-WF0-P34), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 5-WF0-P34-3 40261km				Vehicle2 M1 5-WF0-P34-3 71985km				Vehicle3 M1 5-WF0-P34-3 15760km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS



		ISC family2 (5-WF0-P34), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 5-WF0-P34-3 40261km				Vehicle2 M1 5-WF0-P34-3 71985km				Vehicle3 M1 5-WF0-P34-3 15760km				
		p	f	i.o	e.o.	p	f	i.o	e.o.	p	f	i.o	e.o.	
	NOX	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

6.2 Hyundai Motor Türkiye Otomotiv Anonim Sirketi

6.2.1 Tested IP-families / Emission Type Approval Number

Table 6-8. Hyundai Motor Türkiye Otomotiv Anonim Sirketi ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-HAO-4				ISC family2 5-HAO-18			
Designation		TSV 2025-9439				TSV 2025-9441			
Test series in EU ISC-Plat form		NA				118+119			
IP families/ ETA number	Vehicle1	IP-0500781-NLH-1 e5*715/2007*2018/1832AP*00781*00	Type1 2025-05-15	IP-050536-NLH e5*715/2007*2023/443EA*0536*06	Type1 2025-08-22				
			Type1A(RDE) 2025-05-16		Type1A(RDE) 2025-08-26				
	Vehicle2	IP-0500783-NLH-1 e5*715/2007*2018/1832AP*00783*00	Type1 2025-06-24	IP-050536-NLH e5*715/2007*2023/443EA*0536*06	Type1 2025-08-26				
			Type1A(RDE) 2025-06-25		Type1A(RDE) 2025-08-27				
	Vehicle3	IP-0500781-NLH-1 e5*715/2007*2018/1832AP*00781*00	Type1 2025-07-10	IP-050536-NLH e5*715/2007*2023/443EA*0536*06	Type1 2025-08-22				
			Type1A(RDE) 2025-07-11		Type1A(RDE) 2025-08-25				

6.2.2 Test results performed by GTAA

Table 6-9. Type1 test results for Hyundai Motor Türkiye Otomotiv Anonim Sirketi

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-HAO-4	159,3	17,4	14,0	11,1	-	0,08	5,4E+10
Vehicle2	5-HAO-4	197,7	30,9	26,3	15,6	-	0,12	2,7E+10
Vehicle3	5-HAO-4	243,1	18,5	14,5	16,3	-	0,09	7,7E+10
Vehicle1	5-HAO-18	277,3	23,3	20,0	9,7	-	-	-
Vehicle2	5-HAO-18	226,9	20,3	17,6	7,5	-	-	-
Vehicle3	5-HAO-18	291,1	23,1	19,8	13,9	-	-	-

Table 6-10. Type1A (RDE) test results for Hyundai Motor Türkiye Otomotiv Anonim Sirketi

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-HAO-4	127,8	8,8	8,7E+10	114,0	10,4	7,4E+10
Vehicle2	5-HAO-4	163,1	9,9	7,4E+10	30,4	14,4	4,4E+10
Vehicle3	5-HAO-4	206,0	7,2	7,6E+10	215,6	7,7	6,0E+10
Vehicle1	5-HAO-18	123,3	3,5	-	192,0	5,4	-
Vehicle2	5-HAO-18	94,1	3,9	-	149,1	7,0	-
Vehicle3	5-HAO-18	96,7	2,6	-	111,4	2,4	-

6.2.3 Statistical folders

Table 6-11. Hyundai Motor Türkiye Otomotiv Anonim Sirketi, statistical folder status ISC family1 (5-HAO-4)

		ISC family1 (5-HAO-4), NOVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-HAO-4-0 21364km				Vehicle2 M1 05-HAO-4-0 21179km				Vehicle3 M1 05-HAO-4-0 35523km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOX	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-12. Hyundai Motor Türkiye Otomotiv Anonim Sirketi, statistical folder status ISC family2 (5-HAO-18)

		ISC family2 (5-HAO-18), ICE, Petrol, Indirect Injection												SAMPLE DECISION
		Vehicle1 M1 05-HAO-18-1 18171km				Vehicle2 M1 05-HAO-18-1 24234km				Vehicle3 M1 05-HAO-18-1 18038km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	-				-				-				-
	PN	-				-				-				-
Type1A	NOx	x				x				x				PASS
RDE	PN	-				-				-				-

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.3 Hyundai Motor Manufacturing Czech s.r.o.

6.3.1 Tested IP-families / Emission Type Approval Number

Table 6-13. Hyundai Motor Manufacturing Czech s.r.o ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-HMM-20		ISC family2 5-HMM-17	
Designation		TSV 2025–9452		TSV 2025–9453	
Test series in EU ISC-Plat form		NA		NA	
IP families/ ETA number	Vehicle1	IP-050629-TMA-1 e5*715/2007*2018/1832AP*0629*03	Type1 2025-06-04	IP-050623-TMA-1 e5*715/2007*2018/1832AP*0623*02	Type1 2025-09-03
			Type1A(RDE) 2025-06-06		Type1A(RDE) 2025-09-04
	Vehicle2	IP-050629-TMA-1 e5*715/2007*2018/1832AP*0629*03	Type1 2025-06-04	IP-050624-TMA-1 e5*715/2007*2018/1832AP*0624*02	Type1 2025-09-10
			Type1A(RDE) 2025-06-05		Type1A(RDE) 2025-09-08
	Vehicle3	IP-050629-TMA-1 e5*715/2007*2018/1832AP*0629*02	Type1 2025-07-01	IP-050623-TMA-1 e5*715/2007*2018/1832AP*0623*02	Type1 2025-09-17
			Type1A(RDE) 2025-07-03		Type1A(RDE) 2025-09-18

6.3.2 Test results performed by GTAA

Table 6-14. Type1 test results for Hyundai Motor Manufacturing Czech s.r.o.

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-HMM-20	144,7	31,7	12,2	15,5	-	0,22	4,8E+10
Vehicle2	5-HMM-20	149,8	15,7	12,2	13,8	-	0,15	2,7E+10
Vehicle3	5-HMM-20	308,0	21,8	16,9	14,6	-	0,04	8,0E+08
Vehicle1	5-HMM-17	173,3	15,1	11,5	11,2	-	0,11	5,1E+10
Vehicle2	5-HMM-17	160,5	16,6	13,3	13,2	-	0,13	1,3E+11
Vehicle3	5-HMM-17	211,6	15,8	11,9	8,9	-	0,10	6,3E+10

Table 6-15. Type1A (RDE) test results for Hyundai Motor Manufacturing Czech s.r.o

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-HMM-20	84,4	20,6	3,6E+10	131,9	22,5	2,8E+10
Vehicle2	5-HMM-20	115,6	14,7	3,9E+10	173,4	21,1	2,7E+10
Vehicle3	5-HMM-20	143,3	16,5	7,8E+09	142,2	16,5	6,9E+09
Vehicle1	5-HMM-17	69,9	3,1	1,2E+11	75,4	5,6	1,2E+11
Vehicle2	5-HMM-17	423,2	11,9	5,6E+10	27,5	13,7	4,1E+10
Vehicle3	5-HMM-17	88,2	8,2	4,2E+10	111,1	9,2	3,6E+10

6.3.3 Statistical folders

Table 6-16. Hyundai Motor Manufacturing Czech s.r.o, statistical folder status ISC family1 (5-HMM-20)

		ISC family1 (5-HMM-20), NOVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-HMM-20 15504km				Vehicle2 M1 05-HMM-20 27050km				Vehicle3 M1 05-HMM-20 62741km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-17. Hyundai Motor Manufacturing Czech s.r.o, statistical folder status ISC family2 (5-HMM-17)

		ISC family2 (5-HMM-17), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-HMM-17 40683km				Vehicle2 M1 05-HMM-17 16725km				Vehicle3 M1 05-HMM-17 62200km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.4 Jaguar Land Rover Limited

ISC family1, 5-SAL-037, no valid test objects with mileage>15000km. ISC family forwarded to ISC 2026.

6.4.1 Tested IP-families / Emission Type Approval Number

Table 6-18. Jaguar Land Rover Limited ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-SAL-037		ISC family2 5-SAJ-026	
Designation		-		TSV 2025-9456	
Test series in EU ISC-Plat form		-		NA	
IP families/ ETA number	Vehicle1		Type1	IP-21a20d150MAA_01-SAD-1 e5*715/2007*2018/1832AP_1710_00	Type1 2025-06-20
			Type1A(RDE)		Type1A(RDE) 2025-06-19
	Vehicle2		Type1	IP-24a20d150MAA_01-SAD-1 e5*715/2007*2018/1832AP_02409_00	Type1 2025-06-18
			Type1A(RDE)		Type1A(RDE) 2025-06-18
	Vehicle3		Type1	IP-21a20d150MAR_01-SAJ-1 e5*715/2007*2018/1832AP_1712_00	Type1 2025-07-16
			Type1A(RDE)		Type1A(RDE) 2025-07-18

6.4.2 Test results performed by GTAA

Table 6-19. Type1 test results for Jaguar Land Rover Limited

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-SAL-037	-	-	-	-	-	-	-
Vehicle2	5-SAL-037	-	-	-	-	-	-	-
Vehicle3	5-SAL-037	-	-	-	-	-	-	-
Vehicle1	5-SAJ-026	67,1	-	-	38,8	54,3	0,11	3,1E+08
Vehicle2	5-SAJ-026	65,6	-	-	31,2	45,1	0,15	8,8E+07
Vehicle3	5-SAJ-026	60,9	-	-	65,5	77,3	0,38	2,1E+08

Table 6-20. Type1A (RDE) test results for Jaguar Land Rover Limited

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-SAL-037	-	-	-	-	-	-
Vehicle2	5-SAL-037	-	-	-	-	-	-
Vehicle3	5-SAL-037	-	-	-	-	-	-
Vehicle1	5-SAJ-026	18,7	12,5	2,4E+09	46,4	24,2	3,4E+09
Vehicle2	5-SAJ-026	38,2	5,4	4,8E+09	69,1	16,6	4,2E+09
Vehicle3	5-SAJ-026	55,6	2,8	3,7E+09	102,4	7,2	5,5E+09

6.4.3 Statistical Folders

No test objects with sufficient mileage identified, ISC family moved to ISC 2026.

Table 6-21. Jaguar Land Rover Limited, statistical folder status ISC family1 (5-SAL-037)

		ISC family1 (5-SAL-037)												SAMPLE DECISION
		Vehicle1 km				Vehicle2 km				Vehicle3 km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO													
	THC													
	NMHC													
	NOx													
	THC+NOx													
	PM													
	PN													
Type1A	NOx													
RDE	PN													

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-22. Jaguar Land Rover Limited, statistical folder status ISC family2 (5-SAJ-026)

		ISC family2 (5-SAJ-026), NOVC, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 M1G 05-SAJ-026-000 75883km				Vehicle2 M1G 05-SAJ-026-001 25408km				Vehicle3 M1 05-SAJ-026-000 67547km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.5 Kia Corporation

6.5.1 Tested IP-families / Emission Type Approval Number

Table 6-23. Kia Corporation ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-KMC-13		ISC family2 5-KMC-14	
Designation		TSV 2025–9454		TSV 2025–9455	
Test series in EU ISC-Plat form		NA		NA	
IP families/ ETA number	Vehicle1	IP-050595-KNA-1 e5*715/2007*2018*1832AP*0595*00	Type1 2025-04-25	IP-050602-KNA-1 e5*715/2007*2018*1832AP*0602*00	Type1 2025-08-21
			Type1A(RDE) 2025-04-28		Type1A(RDE) 2025-08-22
	Vehicle2	IP-050595-KNA-1 e5*715/2007*2018*1832AP*0595*03	Type1 2025-05-16	IP-050601-KNA-1 e5*715/2007*2018*1832AP*0601*04	Type1 2025-09-25
			Type1A(RDE) 2025-05-20		Type1A(RDE) 2025-09-26
	Vehicle3	IP-050596-KNA-1 e5*715/2007*2018*1832AP*0596*03	Type1 2025-06-20	IP-050601-KNA-1 e5*715/2007*2018*1832AP*0601*00	Type1 2025-12-05
			Type1A(RDE) 2025-06-24		Type1A(RDE) 2025-12-03

6.5.2 Test results performed by GTAA

Table 6-24. Type1 test results for Kia Corporation

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-KMC-13	144,8	14,3	10,9	8,5	-	0,13	3,8E+10
Vehicle2	5-KMC-13	160,2	15,8	12,2	10,3	-	0,31	1,1E+11
Vehicle3	5-KMC-13	199,1	18,8	14,4	16,7	-	0,16	8,3E+10
Vehicle1	5-KMC-14	217,0	22,1	17,6	17,7	-	0,33	5,1E+10
Vehicle2	5-KMC-14	245,1	21,3	17,0	9,5	-	0,32	1,0E+11
Vehicle3	5-KMC-14	238,4	23,2	18,6	14,2	-	0,25	7,9E+10

Table 6-25. Type1A (RDE) test results for Kia Corporation

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-KMC-13	95,8	4,5	3,4E+10	95,8	6,8	2,6E+10
Vehicle2	5-KMC-13	120,9	1,9	6,9E+10	59,1	3,6	6,4E+10
Vehicle3	5-KMC-13	174,9	13,1	7,2E+10	87,8	22,7	6,5E+10
Vehicle1	5-KMC-14	241,5	10,8	9,3E+10	100,9	12,8	7,8E+10
Vehicle2	5-KMC-14	346,6	6,3	2,4E+11	40,1	4,7	1,6E+11
Vehicle3	5-KMC-14	144,1	8,6	5,6E+10	130,3	11,8	6,5E+10

6.5.3 Statistical folders

Table 6-26. Kia Corporation, statistical folder status ISC family1 (5-KMC-13)

		ISC family1 (5-KMC-13), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-KMC-13-0 52491km				Vehicle2 M1 05-KMC-13-0 20943km				Vehicle3 M1 05-KMC-13-0 57400km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-27. Kia Corporation, statistical folder status ISC family2 (5-KMC-14)

		ISC family2 (5-KMC-14), NOVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-KMC-14-0 43160 km				Vehicle2 M1 05-KMC-14-0 16283km				Vehicle3 M1 05-KMC-14-0 90679km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.6 Kia Slovakia s.r.o.

6.6.1 Tested IP-families / Emission Type Approval Number

NOx emission in type 1 test → Extreme outlier results on vehicle3 in ISC family 5-KMC-1. Compliance assessment with Kia Slovakia s.r.o. ongoing.

Table 6-28. Kia Slovakia s.r.o. ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-KMC-1		ISC family2	
Designation		TSV 2025-9973		-	
Test series in EU ISC-Plat form		NA		-	
IP families/ ETA number	Vehicle1	IP-0500721-U5Y-1 e5*715/2007*2018*1832AP*00721*01	Type1 2025-09-25	-	Type1
			Type1A(RDE) 2025-09-26		Type1A(RDE)
	Vehicle2	IP-0500721-U5Y-1 e5*715/2007*2018*1832AP*00721*02	Type1 2025-10-08	-	Type1
			Type1A(RDE) 2025-10-08		Type1A(RDE)
	Vehicle3	IP-0500721-U5Y-1 e5*715/2007*2018*1832AP*00721*02	Type1 2025-11-19	-	Type1
			Type1A(RDE) N/A		Type1A(RDE)

6.6.2 Test results performed by GTAA

Table 6-29. Type1 test results for Kia Slovakia s.r.o.

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-KMC-1	424,4	16,4	14,6	18,9	-	0,32	4,8E+10
Vehicle2	5-KMC-1	186,3	14,2	12,9	13,1	-	0,16	8,6E+10
Vehicle3	5-KMC-1	124,0	15,1	13,6	246,3	-	0,19	3,5E+10

Table 6-30. Type1A (RDE) test results for Kia Slovakia s.r.o.

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-KMC-1	289,6	16,6	4,1E+10	148,0	17,1	2,2E+10
Vehicle2	5-KMC-1	56,7	16,5	8,1E+10	27,5	15,4	3,7E+10
Vehicle3	5-KMC-1	-	-	-	-	-	-

6.6.3 Statistical folder

Table 6-31. Kia Slovakia s.r.o., statistical folder status ISC family1 (5-KMC-1)

		ISC family1 (5-KMC-1), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-KMC-1-0 63089km				Vehicle2 M1 05-KMC-1-0 61956km				Vehicle3 M1 05-KMC-1-0 40450 km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				-
	NMHC	x				x				x				-
	NOx	x				x							x	FAIL
	THC+NOx	-				-				-				PASS
	PM	x				x				x				PASS

		ISC family1 (5-KMC-1), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 05-KMC-1-0 63089km				Vehicle2 M1 05-KMC-1-0 61956km				Vehicle3 M1 05-KMC-1-0 40450 km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
	PN	x				x				x				PASS
Type1A	NOx	x				x				N/A				UND
RDE	PN	x				x				N/A				UND

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

6.7 Volvo Car Corporation

6.7.1 Tested IP-families / Emission Type Approval Number

Table 6-32. Volvo Cars Corporation ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-YV1-032				ISC family2 5-YV1-023			
Designation		TSV 2025–9459				TSV 2025–9464			
Test series in EU ISC-Plat form		102+103				NA			
IP families/ ETA number	Vehicle1	IP-2023_246H4D-YV1-1 e5*715/2007*2023/443EA*02542*00		Type1 2025-05-23	IP-2019_246K9D-YV1-1 e5*715/2007*2018/1832AP*0581*02		Type1 2025-05-14		
				Type1A(RDE) 2025-06-02			Type1A(RDE) 2025-05-14		
	Vehicle2	IP-2023_246H4D-YV1-1 e5*715/2007*2023/443EA*02542*00		Type1 2025-11-05	IP-2019_246K9D-YV1-1 e5*715/2007*2018/1832AP*0581*03		Type1 2025-05-15		
				Type1A(RDE) 2025-11-06			Type1A(RDE) 2025-05-16		
	Vehicle3	IP-2023_246H4D-YV1-1 e5*715/2007*2023/443EA*02542*00		Type1 2025-11-11	IP-2019_246K9D-YV1-1 e5*715/2007*2018/1832AP*0581*01		Type1 2025-05-16		
				Type1A(RDE) 2025-11-12			Type1A(RDE) 2025-05-14		

6.7.2 Test results performed by GTAA

Table 6-33. Type1 test results for Volvo Car Corporation

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-YV1-032	109,0	4,5	3,4	5,1	-	0,25	3,6E+10
Vehicle2	5-YV1-032	118,5	7,5	6,7	3,5	-	0,07	7,4E+10
Vehicle3	5-YV1-032	111,1	5,0	4,1	4,9	-	0,12	3,7E+10
Vehicle1	5-YV1-023	382,6	14,2	10,8	11,0	-	0,20	5,3E+10
Vehicle2	5-YV1-023	290,2	11,7	8,8	14,4	-	0,11	5,2E+10
Vehicle3	5-YV1-023	214,9	15,4	11,6	14,4	-	0,25	4,8E+10

Table 6-34. Type1A (RDE) test results for Volvo Car Corporation

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-YV1-032	123,2	6,4	6,5E+09	27,4	3,4	8,1E+09
Vehicle2	5-YV1-032	102,5	5,2	7,0E+09	30,8	2,2	5,2E+09
Vehicle3	5-YV1-032	133,4	8,6	1,3E+10	42,6	6,3	1,3E+10
Vehicle1	5-YV1-023	310,9	1,5	1,8E+09	468,3	4,5	2,8E+09
Vehicle2	5-YV1-023	231,3	7,6	1,0E+10	341,5	9,3	1,7E+10
Vehicle3	5-YV1-023	228,9	10,2	7,4E+09	312,9	11,7	1,3E+10



6.7.3 Statistical folder

Statistical folders. Table 6-35. Volvo Car Corporation, statistical folder status ISC family1 (5-YV1-032)

		ISC family1 (5-YV1-032), OVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1G 5-YV1-032-0 24442km				Vehicle2 M1G 5-YV1-032-0 18365km				Vehicle3 M1G 5-YV1-032-0 27381km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-36. Volvo Car Corporation, statistical folder status ISC family2 (5-YV1-023)

		ISC family2 (5-YV1-023), NOVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 - 5-YV1-023 25891km				Vehicle2 M1 5-YV1-023 19428km				Vehicle3 - 5-YV1-023 55071km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.8 Ford Motor Company of Australia Pty Ltd

6.8.1 Tested IP-families / Emission Type Approval Number

Table 6-37. Ford Motor Company of Australia Pty Ltd ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-6FP-D49		ISC family2 5-6FP-D51	
Designation		TSV 2025-9437		TSV 2025-9438	
Test series in EU ISC-Plat form		NA		NA	
IP families/ ETA number	Vehicle1	IP-P703_2022_00002-6FP-1 e5*715/2007*2018/1832AR*00869*00	Type1 2025-04-09	IP-P703_2022_00007-6FP-1 e5*715/2007*2018/1832AR*00874*01	Type1 2025-04-15
			Type1A(RDE) 2025-04-10		Type1A(RDE) 2025-04-16
	Vehicle2	IP-P703_2022_00004-6FP-1 e5*715/2007*2018/1832AR*00869*00	Type1 2025-06-05	IP-P703_2022_00007-6FP-1 e5*715/2007*2018/1832AR*00874*01	Type1 2025-05-07
			Type1A(RDE) 2025-06-06		Type1A(RDE) 2025-05-07
	Vehicle3	IP-P375_2021_00011-6FP-1 e5*715/2007*2018/1832AR*00844*00	Type1 2025-05-22	IP-P703_2022_00018-6FP e5*715/2007*2023/443EA*02499*01	Type1 2025-05-22
			Type1A(RDE) 2025-05-23		Type1A(RDE) 2025-05-23

6.8.2 Test results performed by GTAA

Table 6-38. Type1 test results for Ford Motor Company of Australia Pty Ltd

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-6FP-D49	30,4	-	-	17,5	22,9	0,38	1,1E+10
Vehicle2	5-6FP-D49	25,1	-	-	15,2	19,5	1,19	2,3E+09
Vehicle3	5-6FP-D49	18,4	-	-	20,3	26,8	0,24	1,8E+10
Vehicle1	5-6FP-D51	106,1	-	-	18,9	36,3	0,55	1,3E+08
Vehicle2	5-6FP-D51	85,2	-	-	19,9	35,6	0,21	7,1E+08
Vehicle3	5-6FP-D51	72,5	-	-	15,9	29,4	0,56	6,2E+09

Table 6-39. Type1A (RDE) test results for Ford Motor Company of Australia Pty Ltd

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-6FP-D49	39,0	6,7	2,3E+09	48,7	15,3	3,1E+09
Vehicle2	5-6FP-D49	21,4	6,8	7,7E+09	21,4	10,5	5,2E+09
Vehicle3	5-6FP-D49	52,9	23,1	8,6E+09	42,0	24,7	1,7E+10
Vehicle1	5-6FP-D51	64,8	27,3	1,9E+09	107,3	37,4	4,3E+09
Vehicle2	5-6FP-D51	32,2	7,1	8,6E+08	30,5	9,4	3,8E+08
Vehicle3	5-6FP-D51	43,7	9,3	4,7E+09	91,4	17,9	4,9E+09

6.8.3 Statistical folders

Table 6-40. Ford Motor Company of Australia Pty Ltd, statistical folder status ISC family1 (5-6FP-D49)

		ISC family1 (5-6FP-D49), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 N1 Class III 5-6FP-D49-3 26754km				Vehicle2 N1 Class III 5-6FP-D49-3 26150km				Vehicle3 N1 Class III 5-6FP-D49-0 45500km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-41. Ford Motor Company of Australia Pty Ltd, statistical folder status ISC family2 (5-6FP-D51)

		ISC family2 (5-6FP-D51), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 N1 Class III 5-6FP-D51-0 19310km				Vehicle2 N1 Class III 5-6FP-D51-0 17763km				Vehicle3 N1 Class III 5-6FP-D51-2 16751km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				
	NMHC	-				-				-				
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.9 BMW AG

6.9.1 Tested IP-families / Emission Type Approval Number

Table 6-42. BMW AG ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-WBA-DH15		ISC family2 5-WBA-OH42	
Designation		TSV 2025–9421		TSV 2025–9422	
Test series in EU ISC-Plat form		96+97		98+99	
IP families/ ETA number	Vehicle1	IP-0001078-WBA e5*715/2007*2023/443EA*02564*01	Type1 2025-06-12	IP-0001076-WBA e5*715/2007*2023/443EA*02592*00	Type1 2025-06-24
			Type1A(RDE) 2025-06-13		Type1A(RDE) 2025-06-23
	Vehicle2	IP-0001089-WBA e5*715/2007*2023/443EA*02547*00	Type1 2025-06-25	IP-0001309-WBA e5*715/2007*2023/443EC*03078*00	Type1 2025-07-24
			Type1A(RDE) 2025-06-26		Type1A(RDE) 2025-07-25
	Vehicle3	IP-0001089-WBA e5*715/2007*2023/443EA*02547*01	Type1 2025-08-26	IP-0001076-WBA e5*715/2007*2023/443EA*02592*00	Type1 2025-07-30
			Type1A(RDE) 2025-08-27		Type1A(RDE) 2025-07-31

6.9.2 Test results performed by GTAA

Table 6-43. Type1 test results for BMW AG

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle 1	5-WBA-DH15	93,2	-	-	35,6	57,4	0,46	1,5E+08
Vehicle 2	5-WBA-DH15	99,8	-	-	38,1	57,8	0,42	2,5E+08
Vehicle 3	5-WBA-DH15	104,7	-	-	33,8	52,6	0,50	1,3E+09
Vehicle 1	5-WBA-OH42	81,9	11,0	9,6	1,1	-	0,06	2,8E+09
Vehicle 2	5-WBA-OH42	71,9	7,9	6,8	2,9	-	0,10	1,3E+10
Vehicle 3	5-WBA-OH42	109,7	14,9	13,0	3,1	-	0,10	1,5E+09

Table 6-44. Type1A (RDE) test results for BMW AG

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle 1	5-WBA-DH15	1,8	16,3	1,3E+09	22,6	27,2	1,5E+09
Vehicle 2	5-WBA-DH15	0,5	9,7	6,9E+08	0,5	15,2	8,7E+08
Vehicle 3	5-WBA-DH15	48,6	18,9	3,9E+09	93,8	38,7	8,1E+09
Vehicle 1	5-WBA-OH42	0,0	3,5	2,5E+09	0,0	3,5	4,0E+09
Vehicle 2	5-WBA-OH42	0,0	3,8	3,1E+10	19,8	4,6	5,9E+10
Vehicle 3	5-WBA-OH42	17,1	4,9	2,6E+09	53,5	6,7	4,4E+09

6.9.3 Statistical folders

Table 6-45. BMW AG, statistical folder status and test results ISC family1 (5-WBA-DH15)

		ISC family1 (5-WBA-DH15), NOVC, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 M1G 5-WBA-DH15-1 26634km				Vehicle2 M1G 5-WBA-DH15 26324km				Vehicle3 M1G 5-WBA-DH15-1 31773km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-46. BMW AG, statistical folder status and test results ISC family2 (5-WBA-OH42)

		ISC family2 (5-WBA-OH42), NOVC, Petrol, Direct and Indirect Injection												SAMPLE DECISION
		Vehicle1 M1G 5-WBA-OH42 23943km				Vehicle2 M1 5-WBA-OH42-3 25371km				Vehicle3 M1G 5-WBA-OH42 29714km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

6.10 SAIC Motor Corporation Limited

6.10.1 Tested IP-families / Emission Type Approval Number

Table 6-47. SAIC Motor Corporation Limited ISC-families from risk assessment and IP families/ETA on tested vehicles

		ISC family1 5-LSJ-1		ISC family2 5-LSJ-2	
Designation		TSV 2025-9458		TSV-2025-9457	
Test series in EU ISC-Plat form		NA		NA	
IP families/ ETA number	Vehicle1	IP-AS23P_2020_01-LSJ-1 e5*715/2007*2018/1832AP*00743*02	Type1 2025-07-23	IP-ZS11_2020_02-LSJ-1 e5*715/2007*2018/1832AP*00807*00	Type1 2025-08-20
			Type1A(RDE) 2025-07-24		Type1A(RDE) 2025-08-22
	Vehicle2	IP-AS23P_2020_01-LSJ-1 e5*715/2007*2018/1832AP*00743*01	Type1 2025-07-30	IP-ZS11_2020_02-LSJ-1 e5*715/2007*2018/1832AP*00807*00	Type1 2025-09-10
			Type1A(RDE) 2025-07-31		Type1A(RDE) 2025-09-16
Vehicle3	IP-AS23P_2020_01-LSJ-1 e5*715/2007*2018/1832AP*00743*02	Type1 2025-09-10	IP-ZS11_2020_02-LSJ-1 e5*715/2007*2018/1832AP*00807*01	Type1 2025-11-18	
		Type1A(RDE) 2025-09-12		Type1A(RDE) N/A	
Vehicle4	-	Type1	IP-ZS11_2020_02-LSJ-1 e5*715/2007*2018/1832AP*00807*00	Type1 2025-12-03	
		Type1A(RDE)		Type1A(RDE) 2025-12-04	

6.10.2 Test results performed by GTAA

Table 6-48. Type1 test results for SAIC Motor Corporation Limited

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-LSJ-1	247,9	26,0	21,6	7,5	-	0,40	5,4E+09
Vehicle2	5-LSJ-1	233,1	22,5	19,0	4,7	-	0,30	2,1E+09
Vehicle3	5-LSJ-1	330,0	34,6	28,7	5,7	-	0,12	1,3E+09
Vehicle1	5-LSJ-2	153,0	29,0	26,8	31,2	-	-	-
Vehicle2	5-LSJ-2	143,5	29,4	26,6	58,5	-	-	-
Vehicle3	5-LSJ-2	180,6	42,8	38,8	61,9 ⁹	-	-	-
Vehicle4	5-LSJ-2	209,5	37,7	34,1	35,0	-	-	-

Table 6-49. Type1A (RDE) test results for SAIC Motor Corporation Limited

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-LSJ-1	404,8	2,8	3,2E+09	125,3	6,0	3,8E+09
Vehicle2	5-LSJ-1	275,8	0,6	1,9E+09	88,9	2,3	2,0E+09
Vehicle3	5-LSJ-1	384,5	9,2	1,0E+09	271,2	11,6	1,1E+09
Vehicle1	5-LSJ-2	112,4	53,5	-	61,8	31,9	-
Vehicle2	5-LSJ-2	31,4	44,0	-	34,4	51,4	-
Vehicle3	5-LSJ-2	N/A ¹⁰	N/A	-	N/A	N/A	-
Vehicle4	5-LSJ-2	76,3	41,7	-	140,2	55,2	-

⁹ NOx above the legal limit 60mg/km.

¹⁰ The results from the Type1 test were above the legal limit, no RDE test on the vehicle3

6.10.3 Statistical folders

Table 6-50. SAIC Motor Corporation Limited, statistical folder status and test results ISC family1 (5-LSJ-1)

		ISC family1 (5-LSJ-1), OVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 5-LSJ-1-0 46919km				Vehicle2 M1 5-LSJ-1-0 22914km				Vehicle3 M1 5-LSJ-1-0 69234km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-51. SAIC Motor Corporation Limited, statistical folder status ISC family2 (5-LSJ-2)

		ISC family2 (5-LSJ-2), ICE, Petrol, Indirect Injection																SAMPLE DECISION
		Vehicle1 M1 5-LSJ-2-0 20912km				Vehicle2 M1 5-LSJ-2-0 35032km				Vehicle3 M1 5-LSJ-2-0 72149km				Vehicle4 M1 5-LSJ-2-0 23098km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				x				PASS
	THC	x				x				x				x				PASS
	NMHC	x				x				x				x				PASS
	NOx	x				x					x			x				PASS
	THC+NOx	-				-				-				-				-
	PM	-				-				-				-				-
	PN	-				-				-				-				-
Type1A	NOx	x				x				N/A				x				PASS
RDE	PN	-				-				-				-				-

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.11 Volkswagen AG

6.11.1 Tested IP-families / Emission Type Approval Number

Table 6-52. Volkswagen AG, ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 05-VWx-715W CT DXPA FD7 0 A 1 0-000		ISC family2 05-VWx-715W AW DUSB FM5 0 A 1 0-000	
Designation		TSV 2025-12619		TSV 20250-12322	
Test series in EU ISC-Platform		147+148		149+150	
IP families/ ETA number	vehicle1	IP-MQB37AS_A1_1190-WVW e5*715/2007*2023/443EB*03298*00	Type1 2025-12-03 Type1A(RDE) 2025-12-01	IP-MQB27ZZ_A2_1207-WVW e5*715/2007*2023/443EA*02720*00	Type1 2025-11-12 Type1A(RDE) 2025-11-13
	vehicle2	IP-MQB37AS_A1_1190-WVW e5*715/2007*2023/443EB*03298*00	Type1 2025-11-25 Type1A(RDE) 2025-11-25	IP-MQB27ZZ_A2_1207-WVW e5*715/2007*2023/443EA*02720*00	Type1 2025-11-18 Type1A(RDE) 2025-11-18
	vehicle3	IP-MQB37AS_A1_1190-WVW e5*715/2007*2023/443EB*03298*00	Type1 2025-11-21 Type1A(RDE) 2025-11-21	IP-MQB27ZZ_A2_1207-WVW e5*715/2007*2023/443EA*02720*00	Type1 2025-11-25 Type1A(RDE) 2025-11-26
		ISC family3 05-VWx-715W CT DXDB FD7 0 A 1 0-000		ISC family4 05-VWx-715W CJ DXPA FD7 0 A 1 0-000	
Designation		TSV 2025-9466		TSV 2025-9469	
Test series in EU ISC-Platform		104+105		106+107	
IP families/ ETA number	vehicle1	IP-MQB37AS_A2_1189-WVW e5*715/2007*2023/443EA*02674*00	Type1 2025-06-12 Type1A(RDE) 2025-06-13	IP-MQB48WZ_A1_1193-WVW e5*715/2007*2023/443EA*02684*01	Type1 2025-04-29 Type1A(RDE) 2025-04-25
	vehicle2	IP-MQB37AS_A2_1189-WVW e5*715/2007*2023/443EA*02674*00	Type1 2025-07-02 Type1A(RDE) 2025-07-04	IP-MQB48WZ_A1_1193-WVW e5*715/2007*2023/443EA*02684*01	Type1 2025-06-17 Type1A(RDE) 2025-06-18
	vehicle3	IP-MQB37AS_A2_1189-WVW e5*715/2007*2023/443EA*02674*00	Type1 2025-07-02 Type1A(RDE) 2025-07-04	IP-MQB48WZ_A1_1193-WVW e5*715/2007*2023/443EA*02684*01	Type1 2025-06-11 Type1A(RDE) 2025-06-12
		ISC family5 05-VWx-715W ST DZLA FD7 0 A 1 1-000			
Designation		TSV 2025-9470			
Test series in EU ISC-Platform		116+117			
IP families/ ETA number	vehicle1	IP-VN41TZZ_A1_0476-WVN e5*715/2007*2023/443EA*03009*01	Type1 2025-10-07 Type1A(RDE) 2025-10-06		
	vehicle2	IP-VN41TZZ_A1_0476-WVN e5*715/2007*2023/443EA*03009*01	Type1 2025-10-17 Type1A(RDE) 2025-10-02		
	vehicle3	IP-VN41TZZ_A1_0476-WVN e5*715/2007*2023/443EA*03009*01	Type1 2025-10-10 Type1A(RDE) 2025-10-14		

6.11.2 Test results performed by GTAA

Table 6-53. Type1 test results for Volkswagen AG

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	29,2	-	-	14,6	35,5	0,54	3,0E+09
Vehicle2	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	29,8	-	-	14,4	33,8	0,58	1,2E+09
Vehicle3	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	29,2	-	-	14,0	34,6	0,64	3,3E+09
Vehicle1	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	73,1	6,3	5,2	10,1	-	0,15	3,4E+08
Vehicle2	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	57,3	5,7	4,6	8,3	-	0,12	9,0E+08
Vehicle3	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	61,7	6,2	5,1	8,2	-	0,06	7,2E+08
Vehicle1	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	114,2	9,0	7,5	5,8	-	0,27	2,8E+09
Vehicle2	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	75,0	8,1	6,7	10,6	-	0,15	6,7E+08
Vehicle3	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	81,3	8,0	6,5	7,9	-	0,25	1,2E+09
Vehicle1	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	34,9	-	-	15,2	36,3	0,64	2,3E+09
Vehicle2	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	31,5	-	-	11,8	33,0	0,54	1,0E+09



Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle3	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	26,3	-	-	14,3	33,5	0,65	1,7E+09
Vehicle1	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	28,9	-	-	28,9	50,4	0,66	9,9E+08
Vehicle2	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	24,7	-	-	26,0	45,2	0,65	7,0E+08
Vehicle3	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	24,9	-	-	31,8	52,4	0,64	1,7E+09

Table 6-54. Type1A (RDE) test results for Volkswagen AG

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	15,0	13,9	5,3E+09	15,0	20,0	1,1E+10
Vehicle2	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	15,0	10,2	9,5E+08	15,0	13,6	1,1E+09
Vehicle3	05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000	15,0	8,7	2,2E+09	15,0	10,2	2,7E+09
Vehicle1	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	32,0	5,2	4,5E+08	30,1	9,5	5,6E+08
Vehicle2	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	19,9	3,0	7,6E+08	0,0	4,6	5,6E+08
Vehicle3	05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000	45,1	5,5	2,8E+09	28,8	10,8	6,3E+09
Vehicle1	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	74,0	5,5	2,3E+09	36,5	9,4	2,8E+09
Vehicle2	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	7,1	4,0	7,8E+08	2,8	6,8	7,5E+08
Vehicle3	05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000	15,3	6,0	8,0E+08	18,6	9,2	7,4E+08
Vehicle1	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	15,0	10,7	1,3E+09	15,0	15,3	2,3E+09
Vehicle2	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	15,0	10,3	2,3E+09	15,0	13,9	4,4E+09
Vehicle3	05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000	36,3	5,2	1,4E+09	40,9	6,1	1,8E+09
Vehicle1	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	15,0	15,6	2,1E+09	15,0	16,8	1,5E+09
Vehicle2	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	45,5	15,9	8,4E+09	56,3	23,2	1,5E+10
Vehicle3	05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000	15,0	16,0	1,6E+09	15,0	22,5	1,3E+09

6.11.3 Statistical folder

Table 6-55. Volkswagen AG, statistical folder status ISC family1 (05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000)

		ISC family1 (05-VWx-715W_CT_DXPA_FD7_0_A_1_0-000), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 26867km				Vehicle2 M1 25147km				Vehicle3 M1 15677km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



Table 6-56. Volkswagen AG, statistical folder status ISC family2 (05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000)

		ISC family2 (05-VWx-715W_AW_DUSB_FM5_0_A_1_0-000), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 27687km				Vehicle2 M1 15949km				Vehicle3 M1 17959km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-57. Volkswagen AG, statistical folder status ISC family3 (05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000)

		ISC family3 (05-VWx-715W_CT_DXDB_FD7_0_A_1_0-000), NOVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 16782km				Vehicle2 M1 25730km				Vehicle3 M1 21096km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-58. Volkswagen AG, statistical folder status ISC family4 (05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000)

		ISC family4 (05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000), ICE, Diesel, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 23174km				Vehicle2 M1 18454km				Vehicle3 M1 25553km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	-				-				-				PASS
	NMHC	-				-				-				PASS
	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS



		ISC family4 (05-VWx-715W_CJ_DXPA_FD7_0_A_1_0-000), ICE, Diesel, Direct Injection												
		Vehicle1 M1 23174km				Vehicle2 M1 18454km				Vehicle3 M1 25553km				SAMPLE DECISION
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

Table 6-59. Volkswagen AG, statistical folder status ISC family5 (05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000)

		ISC family5 (05-VWx-715W_ST_DZLA_FD7_0_A_1_1-000), ICE, Diesel, Direct Injection												
		Vehicle1 M1 19496km				Vehicle2 M1 19204km				Vehicle3 M1 26518km				SAMPLE DECISION
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
	CO	x				x				x				PASS
	THC	-				-				-				-
	NMHC	-				-				-				-
Type1	NOx	x				x				x				PASS
	THC+NOx	x				x				x				PASS
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

6.12 Audi AG

6.12.1 Tested IP-families / Emission Type Approval Number

Table 6-60. Audi AG, ISC-families from risk assessment and IP families/ETA on tested vehicles

		ISC family1 05-WAU-715W_F3_DNNA_QD7_02_A-000				ISC family2				
Designation		TSV 2025-9419								
Test series in EU ISC-Platform		114+115								
IP families/ ETA number	Vehicle1	IP-MQB37AS_A0_1153-WAU e5*715/2007*2023/443EA*02854*00				Type1 2025-05-21 Type1A(RDE) 2025-05-22				Type1
										Type1A(RDE)
	Vehicle2	IP-MQB37AS_A0_1153-WAU e5*715/2007*2023/443EA*02854*00				Type1 2025-08-28 Type1A(RDE) 2025-08-29				Type1
										Type1A(RDE)
	Vehicle 3	IP-MQB37AS_A0_1153-WAU e5*715/2007*2023/443EA*02854*00				Type1 2025-11-05 Type1A(RDE) 2025-11-11				Type1
										Type1A(RDE)



6.12.2 Test results performed by GTAA

Table 6-61. Type1 test results for Audi AG

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	05-WAU-715W_F3_DNNA_QD7_02_A-000	68,5	14,4	12,7	15,1	-	0,12	5,2E+09
Vehicle2	05-WAU-715W_F3_DNNA_QD7_02_A-000	66,3	13,8	12,2	11,9	-	0,07	1,7E+10
Vehicle3	05-WAU-715W_F3_DNNA_QD7_02_A-000	58,4	13,7	12,1	13,3	-	0,15	7,3E+09

Table 6-62. Type1A (RDE) test results for Audi AG

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	05-WAU-715W_F3_DNNA_QD7_02_A-000	37,1	6,1	2,3E+09	73,1	12,2	4,8E+09
Vehicle2	05-WAU-715W_F3_DNNA_QD7_02_A-000	16,9	6,3	5,0E+09	30,9	10,5	8,4E+09
Vehicle3	05-WAU-715W_F3_DNNA_QD7_02_A-000	26,8	13,2	5,2E+09	74,2	17,7	7,9E+09

6.12.3 Statistical folders

Table 6-63. Audi AG, statistical folder status ISC family1 (05-WAU-715W_F3_DNNA_QD7_02_A-000)

		ISC family1 (05-WAU-715W_F3_DNNA_QD7_02_A-000), ICE, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 25133km				Vehicle2 M1 20012km				Vehicle3 M1 18929km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				PASS
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier



6.13 BMW M GmbH

6.13.1 Tested IP-families / Emission Type Approval Number

Table 6-64. BMW M GmbH, ISC-families from risk assessment and IP families / ETA on tested vehicles

		ISC family1 5-WBS-P68		ISC family2	
Designation		TSV 2025-9423		-	
Test series in EU ISC-Platform		100+101		-	
IP families/ ETA number	Vehicle1	IP-0000041-WBS-1 e5*715/2007*2018/1832AP*02413*00	Type1 2025-07-15	-	Type1
			Type1A(RDE) 2025-07-16		Type1A(RDE)
	Vehicle2	IP-0000051-WBS e5*715/2007*2023/443EA*02596*00	Type1 2025-07-18	-	Type1
			Type1A(RDE) 2025-07-21		Type1A(RDE)
	Vehicle3	IP-0000055-WBS e5*715/2007*2023/443EA*02595*00	Type1 2025-07-25	-	Type1
			Type1A(RDE) 2025-07-29		Type1A(RDE)

6.13.2 Test results performed by GTAA

Table 6-65. Type1 test results for BMW M GmbH

Test	ISC family	CO (mg/km)	THC (mg/km)	NMHC (mg/km)	NOx (mg/km)	THC+NOx (mg/km)	PM (mg/km)	PN (#/km)
Vehicle1	5-WBS-P68	135,1	9,0	6,3	1,2	-	0,20	3,9E+10
Vehicle2	5-WBS-P68	127,1	11,4	8,4	3,1	-	0,24	8,8E+09
Vehicle3	5-WBS-P68	137,8	12,9	9,7	0,4	-	0,06	6,3E+09

Table 6-66. Type1A (RDE) test results for BMW M GmbH

Test	ISC family	CO Total trip (mg/km)	NOx Total trip (mg/km)	PN Total trip (#/km)	CO Urban (mg/km)	NOx Urban (mg/km)	PN Urban (#/km)
Vehicle1	5-WBS-P68	106,1	1,8	8,9E+09	74,5	4,3	1,4E+10
Vehicle2	5-WBS-P68	68,2	1,4	8,3E+09	38,0	2,7	1,0E+10
Vehicle3	5-WBS-P68	39,8	4,5	3,4E+09	48,2	3,6	3,1E+09

6.13.3 Statistical folders

Table 6-67. BMW M GmbH, statistical folder status ISC family1 (5-WBS-P68)

		ISC family1 (5-WBS-P68), OVC, Petrol, Direct Injection												
		Vehicle1 M1 5-WBS-P68 15495km				Vehicle2 M1 5-WBS-P68 29599km				Vehicle3 M1 5-WBS-P68 24216km				SAMPLE DECISION
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1	CO	x				x				x				
	THC	x				x				x				PASS
	NMHC	x				x				x				PASS
	NOx	x				x				x				PASS
	THC+NOx	-				-				-				-
	PM	x				x				x				PASS
	PN	x				x				x				PASS



		ISC family1 (5-WBS-P68), OVC, Petrol, Direct Injection												SAMPLE DECISION
		Vehicle1 M1 5-WBS-P68 15495km				Vehicle2 M1 5-WBS-P68 29599km				Vehicle3 M1 5-WBS-P68 24216km				
		p	f	i.o.	e.o.	p	f	i.o.	e.o.	p	f	i.o.	e.o.	
Type1A	NOx	x				x				x				PASS
RDE	PN	x				x				x				PASS

p=pass; f=fail; i.o.=intermediate outlier; e.o.=extreme outlier

7 Detailed investigations

NOx emission in type 1 test → Extreme outlier results on vehicle3 in ISC family 5-KMC-1. Investigation with Kia Slovakia s.r.o. ongoing. See test result in table 6-29 chapter 6.6.2 on page 28.

8 Remedial measures

Not applicable.

E. Assessment of the yearly expected emissions decrease due to any ISC remedial measures

Not applicable

F. Lessons Learned (including for performance of instruments used)

EU ISC Platform:

The Swedish Transport Agency has noted difficulties in receiving answers to questions sent to the specified address for questions published under the HELP menu in the tool. Due to this, it is currently not possible to add test objects to the test series to reach a sample PASS result in the Eu ISC Platform. As a consequence, The Swedish Transport Agency has four ISC families within ISC 2025 that are currently in the status ongoing. Testing is completed and approved.

G. Report of other invalid tests

Not applicable