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00	2022-03-31	Initial version

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Glossary:

CI	compression ignition
CO	carbon monoxide
dyn.	dynamics
GTAA	granting type approval authority
HC	hydro carbons
ISC	in-service conformity
NMHC	non-methane hydro carbons
NO _x	nitrogen oxides
PI	positive ignition
PM	particle mass
PN	particle number
RDE	real driving emissions
start.	started
THC	total hydro carbons
und.	undefined
VIN	vehicle identification number

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A. Quick overview and main conclusions

With the new in-service conformity in accordance to Regulation (EU) 2018/1832, Annex II, Part B, the granting type approval authority has to conduct tests (type 1 and type 1a RDE (type 1a), optional type 4 and type 6) for at least 5 % (or a minimum of two families) of the manufacturers ISC families granted at the relative type approval authority.

The seven manufacturers listed below are obliged to perform ISC tests under supervision of SNCH S.A for all their ISC families exceeding 5000 vehicles sold within the EU within the relevant year.

All ISC-families shown in this report have sales numbers below 100000 vehicles during the relevant year within the EU, thus only one sample of minimum 3 vehicles has to be tested:

- Audi AG
- Audi Sport GmbH
- Audi Hungaria Zrt.
- Mazda Motor Corporation
- Mazda Motor Logistics Europe
- Subaru Corporation
- VW AG

UTAC and DEKRA were chosen by SNCH S.A. to perform the type approval authority ISC tests as independent technical services.

All vehicles tested and reported so far (manufacturer tests and UTAC / DEKRA tests on behalf of SNCH S.A.) passed the type 1 (and RDE, type 1a) test with emissions below the allowed limit. According to the statistical procedure laid down in the Regulation, all ISC families finalised so far could be closed after the third vehicle tested. No failing test has been reported.

ISC tests (on manufacturer's and GTAA's side) are still ongoing with approx. 50 % of the tests open. The reason for not completing all the tests until 31.03. is a combination of different issues (low availability of appropriate vehicles and still testing restrictions due to the sanitary crisis).

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

1) Information gathering by manufacturer

The manufacturers recorded sales and produced numbers for each ISC family. If sales/produced numbers pass the mark of 5000 for the given year, an ISC procedure has to be performed for the ISC family in case.

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2) ISC testing (including planning and selection of families tested, and final results of tests)

Audi AG:

Total amount of ISC families	23
Amount of ISC families with > 5000 vehicles sold in previous year	13
Amount of ISC families with a valid ISC test	9
Amount of ISC families with > 5000 vehicles sold to be tested	4

ISC-families of the manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	3G01	-	-	valid test until 2022
2	3H01	-	-	<5000
3	4C00	-	-	<5000
4	4C01	-	-	<5000
5	4D02-A	-	-	valid test until 2022
6	4D02-B	-	-	valid test until 2022
7	4G04	-	-	valid test until 2022
8	4G05-A	-	-	valid test until 2022
9	4H01	1	0	und.
10	4H02	-	-	valid test until 2022
11	4H03	-	-	valid test until 2022
12	4P01	0	0	not start.
13	4P02	0	0	not start.
14	6D01	1	0	und.
15	6G00	-	-	<5000
16	6H00	-	-	valid test until 2022
17	6H01	-	-	valid test until 2022
18	6H02	-	-	<5000
19	6P01	-	-	<5000
20	8D00	-	-	<5000
21	8H00	-	-	<5000
22	8G03	-	-	<5000
23	8G04	-	-	<5000

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Audi Sport GmbH:

Total amount of ISC families	4
Amount of ISC families with > 5000 vehicles sold in previous year	2
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	2

ISC-families of the manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	5G01	0	0	not start.
2	6G02	-	-	<5000
3	10G01	-	-	<5000
4	8H01	2	0	und.

Audi Hungaria Zrt.:

Total amount of ISC families	1
Amount of ISC families with > 5000 vehicles sold in previous year	1
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	1

ISC-families of the manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	4G05-B	2	0	und.

Bentley Motors Limited:

Bentley is a small volume manufacturer, thus no ISC tests are required.

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Ford Werke GmbH:

Total amount of ISC families	1
Amount of ISC families with > 5000 vehicles sold in previous year	0
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	0

ISC-families of the manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	IP-U625_2019_00001-WF0-1	-	-	<5000

Mazda Motor Corporation:

Total amount of ISC families	11
Amount of ISC families with > 5000 vehicles sold in previous year	6
Amount of ISC families with a valid ISC test	6
Amount of ISC families with > 5000 vehicles sold to be tested	1

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	13-MAZ-0001	-	-	valid test until 2022
2	13-MAZ-0002	-	-	valid test until 2022
3	13-MAZ-0003	-	-	valid test until 2022
4	13-MAZ-0004	-	-	<5000
5	13-MAZ-0005	-	-	valid test until 2022
6	13-MAZ-0006	-	-	valid test until 2022
7	13-MAZ-0007	-	-	valid test until 2022
8	13-MAZ-0008	0	0	not start.
9	13-MAZ-0012	-	-	<5000
10	13-MAZ-0015	-	-	<5000
11	13-MAZ-0017	-	-	<5000

Please refer to *Appendix B - Mazda Motor Corporation* for final results.

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Mazda Motor Logistics Europe:

Total amount of ISC families	4
Amount of ISC families with > 5000 vehicles sold in previous year	2
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	2

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	13-MAZ-0009	-	-	<5000
2	13-MAZ-0010	0	0	not start.
3	13-MAZ-0011	0	0	not start.
4	13-MAZ-0016	-	-	<5000

Please refer to *Appendix B - Mazda Motor Logistics Europe* for final results.

Skoda Auto a.s.:

Total amount of ISC families	1
Amount of ISC families with > 5000 vehicles sold in previous year	0
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	0

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	13-SKx-715W_AA_CHYE_FM5_0_A	-	-	<5000

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Subaru Corporation:

Total amount of ISC families	5
Amount of ISC families with > 5000 vehicles sold in previous year	1
Amount of ISC families with a valid ISC test	1
Amount of ISC families with > 5000 vehicles sold to be tested	1

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	ISC16MICON	-	-	<5000
2	ISC20DICON	-	-	valid test until 2022
3	ISC20D4CON	-	-	<5000
4	ISC20DIHEV	3	0	valid test until 2023
5	ISC25MICON	-	-	<5000

Please refer to *Appendix B - Subaru* for final results.

Toyota Motor Europe:

Total amount of ISC families	1
Amount of ISC families with > 5000 vehicles sold in previous year	0
Amount of ISC families with a valid ISC test	0
Amount of ISC families with > 5000 vehicles sold to be tested	0

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	ISC20D4CON	-	-	<5000

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VW AG:

Total amount of ISC families	86
Amount of ISC families with > 5000 vehicles sold in previous year	22
Amount of ISC families with a valid ISC test	15
Amount of ISC families with > 5000 vehicles sold to be tested	10

ISC-families to test (type 1) by manufacturer:

#	ISC family	# of cars tested	# of cars failed	status
1	13-VWx-715W_A1_DFFA_FD7_0_A_1_0-000	-	-	valid test until 2022
2	13-VWx-715W_A1_DGTE_FM6_0_A_1_0-000	-	-	valid test until 2022
3	13-VWx-715W_A1_DKRF_FM6_0_A_1_3-000	-	-	valid test until 2022
4	13-VWx-715W_A1_DPCA_FD7_0_B_1_0-000	-	-	valid test until 2022
5	13-VWx-715W_A1_DPCA_FM6_0_A_1_0-000	-	-	valid test until 2022
6	13-VWx-715W_AA_CHYE_FM5_0_A_1_0-000	-	-	valid test until 2022
7	13-VWx-715W_AW_DKRF_FD7_0_A_1_1-000	-	-	valid test until 2022
8	13-VWx-715W_AW_DKLA_FM5_0_A_1_1-000	-	-	valid test until 2022
9	13-VWx-715W_AW_DKRF_FM6_0_A_1_1-000	-	-	valid test until 2022
10	13-VWx-715W_C1_DGTD_FD7_0_A_1_0-000	-	-	valid test until 2022
11	13-VWx-715W_C1_DGTD_FM5_0_A_1_0-000	-	-	valid test until 2022
12	13-VWx-715W_C1_DKLA_FM5_0_A_1_1-000	-	-	valid test until 2022
13	13-VWx-715W_C1_DKRF_FD7_0_A_1_1-000	-	-	valid test until 2022
14	13-VWx-715W_C1_DKRF_FM6_0_A_1_1-000	-	-	valid test until 2022
15	13-VWx-715W_3C_DSRB_FD7_0_A_1_0-000	-	-	valid test until 2022
16	13-VWx-715W_AA_CPGA_FM5_0_A_1_0-000	-	-	<5000
17	13-VWx-715W_A1_DFFA_AD7_0_A_1_0-000	-	-	<5000
18	13-VWx-715W_A1_DFFA_FM6_0_A_1_0-000	-	-	<5000
19	13-VWx-715W_A1_DKZA_AD7_0_A_1_0-000	-	-	<5000
20	13-VWx-715W_A1_DFFA_AD7_0_B_1_0-000	-	-	<5000
21	13-VWx-715W_AA_CPGA_FM5_0_A_2_0-000	-	-	<5000

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#	ISC family	# of cars tested	# of cars failed	status
22	13-VWx-715W_C1_DPCA_FD7_0_A_1_0-000	-	-	<5000
23	13-VWx-715W_C1_DPCA_FD7_0_B_1_0-000	-	-	<5000
24	13-VWx-715W_A1_DFHA_AD7_0_A_1_0-000	-	-	<5000
25	13-VWx-715W_A1_DNUE_AD7_0_A_1_0-000	-	-	<5000
26	13-VWx-715W_A1_DPCA_FD7_0_A_1_0-000	3	0	valid test until 2023
27	13-VWx-715W_CD_DSRB_FD7_0_A_1_0-000	3	0	valid test until 2023
28	13-VWx-715W_CD_DSUD_FM6_0_A_1_0-000	3	0	valid test until 2023
29	13-VWx-715W_3C_DSRA_FM6_0_A_1_0-000	3	0	valid test until 2023
30	13-VWx-715W_AA_CHYE_FM5_0_A_2_0-000	-	-	<5000
31	13-VWx-715W_CD_DSUD_FM6_0_A_1_1-000	3	0	valid test until 2023
32	13-VWx-715W_3C_DTSTB_FD7_0_A_1_0-000	3	0	valid test until 2023
33	13-VWx-715W_C1_DLAC_FM5_0_A_1_0-000	3	0	valid test until 2023
34	13-VWx-715W_AA_DSGC_FM5_0_A_1_0-000	3	0	valid test until 2023
35	13-VWx-715W_A1_DPCA_FD7_0_A_1_2-000	3	0	valid test until 2023
36	13-VWx-715W_A1_DPCA_FD7_0_B_1_2-000	3	0	valid test until 2023
37	13-VWx-715W_5N_DTSA_FM6_0_A_1_1-000	-	-	<5000
38	13-VWx-715W_A1_DNFC_AD7_0_A_1_0-000	-	-	<5000
39	13-VWx-715W_A1_DTTA_FM6_0_A_1_0-000	-	-	<5000
40	13-VWx-715W_A1_DNFC_AD7_0_B_1_0-000	-	-	<5000
41	13-VWx-715W_A1_DTRD_FM6_0_B_1_0-000	-	-	<5000
42	13-VWx-715W_CD_DSUD_FM6_0_B_1_0-000	-	-	<5000
43	13-VWx-715W_A1_DTTC_FD7_0_A_1_0-000	-	-	<5000
44	13-VWx-715W_A1_DTRD_FM6_0_A_1_0-000	-	-	<5000
45	13-VWx-715W_C1_DPCA_FD7_0_A_1_1-000	-	-	<5000
46	13-VWx-715W_3C_DTRA_FD7_0_B_1_0-000	-	-	<5000
47	13-VWx-715W_C1_DLAA_FM6_0_A_1_0-000	-	-	<5000
48	13-VWx-715W_5N_DTSA_FM6_0_A_1_0-000	-	-	<5000
49	13-VWx-715W_CD_DSRB_FD7_0_B_1_0-000	-	-	<5000
50	13-VWx-715W_CD_DTSTB_FD7_0_B_1_0-000	-	-	<5000
51	13-VWx-715W_A1_DLAA_FM6_0_B_1_0-000	-	-	<5000
52	13-VWx-715W_1T_DTRC_FM6_0_A_1_1-000	-	-	<5000

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#	ISC family	# of cars tested	# of cars failed	status
53	13-VWx-715W_3C_DTSA_FM6_0_B_1_0-000	-	-	<5000
54	13-VWx-715W_A1_DLAA_FM6_0_A_1_1-000	-	-	<5000
55	13-VWx-715W_1T_DTSA_FD7_0_A_1_1-000	-	-	<5000
56	13-VWx-715W_3C_DTUA_FD7_0_A_1_0-000	-	-	<5000
57	13-VWx-715W_A1_DTTC_AD7_0_B_1_0-000	-	-	<5000
58	13-VWx-715W_3C_DTUA_AD7_0_A_1_0-000	-	-	<5000
59	13-VWx-715W_A1_DTTC_AD7_0_A_1_0-000	-	-	<5000
60	13-VWx-715W_5N_DTRC_FM6_0_A_1_0-000	-	-	<5000
61	13-VWx-715W_5N_DTSA_FD7_0_B_1_0-000	-	-	<5000
62	13-VWx-715W_AA_DKRA_FM6_0_A_1_1-000	-	-	<5000
63	13-VWx-715W_3C_DTUA_FD7_0_B_1_0-000	-	-	<5000
64	13-VWx-715W_CD_DTUA_FD7_0_A_1_0-000	-	-	<5000
65	13-VWx-715W_AA_CPGA_FM5_0_A_2_3-000	-	-	<5000
66	13-VWx-715W_A1_DPCA_FM6_0_A_1_1-000	-	-	<5000
67	13-VWx-715W_5N_DTSA_AD7_0_B_1_0-000	-	-	<5000
68	13-VWx-715W_A1_DKRF_FM6_0_A_1_2-000	-	-	<5000
69	13-VWx-715W_3C_DTSA_FM6_0_A_1_0-000	-	-	<5000
70	13-VWx-715W_AA_DKRA_FM6_0_A_1_0-000	-	-	<5000
71	13-VWx-715W_5N_DTUA_AD7_0_B_1_0-000	-	-	<5000
72	13-VWx-715W_C1_DPCA_FD7_0_B_1_1-000	-	-	<5000
73	13-VWx-715W_3C_DTUA_AD7_0_B_1_0-000	-	-	<5000
74	13-VWx-715W_3C_DTRA_FD7_0_A_1_0-000	-	-	<5000
75	13-VWx-715W_5N_DTUA_AD7_0_A_1_0-000	-	-	<5000
76	13-VWx-715W_A1_DLAA_FM6_0_A_1_0-000	-	-	<5000
77	13-VWx-715W_3C_DTSA_FD7_0_B_1_0-000	-	-	<5000
78	13-VWx-715W_CD_DTRD_FM6_0_A_1_0-000	-	-	<5000
79	13-VWx-715W_A1_DPCA_FM6_0_B_1_2-000	-	-	<5000
80	13-VWx-715W_5N_DTSA_FD7_0_A_1_0-000	-	-	<5000
81	13-VWx-715W_CD_DTSA_FD7_0_A_1_0-000	-	-	<5000
82	13-VWx-715W_5N_DTSA_AD7_0_A_1_0-000	-	-	<5000
83	13-VWx-715W_C1_DLAA_FM6_0_B_1_0-000	-	-	<5000



**Annual ISC Report in accordance to
Regulation (EU) 2018/1832, Annex II, Part B**

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#	ISC family	# of cars tested	# of cars failed	status
84	13-VWx-715W_C1_DLAA_FD7_0_A_1_0-000	-	-	<5000
85	13-VWx-715W_A1_DPCA_FD7_0_A_1_1-000	-	-	<5000
86	13-VWx-715W_A1_DPCA_FM6_0_A_1_2-000	-	-	<5000

Please refer to *Appendix B* – VW AG for final results.

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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 (including planning and selection of families tested, and final results of tests)

The following vehicles have been tested by 3rd parties:

#	Manufacturer	ISC family	test type	status
1	Audi AG	4G04	1a (1 valid)	und.
2	Audi AG	4P02	1a (1 valid & 2 non valid)	und.
3	Audi AG	4H01	1a (1 non valid)	und.
4	Audi AG	3G01	1a (1 valid)	und.
5	Mazda Motor Corporation	13-MAZ-0007-00	1a (1 valid)	und.
6	Volkswagen AG	13-VWx-715W_A1_DPCA_ FD7_0_A_1_2-000	1a (1 valid)	und.
7	Volkswagen AG	13-VWx-715W_C1_DLAA_ FD7_0_A_1_0-000	1a (1 valid & 1 non valid)	und.

Please refer to *Appendix C – 3rd parties* for final results.

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

5) Information gathering and risk assessment

SNCH S.A. did not do any kind of testing or monitoring or sensing beforehand the ISC tests. For the applicable ISC-families. The risk assessment was based on the available data from the manufacturers, e.g. sales numbers and emission related warranty claims.

The total amount of sold vehicles was chosen as the most important criterion for the risk assessment. A large amount of cars on the road gives high potential for pollution. Second criterion for the risk assessment was the emission related warranty claims the manufacturer reported. Based on this data, the initial choice of ISC families was done. Reduced vehicle availability however lead to some changes.

6) ISC testing (including planning and selection of families tested, and final results of tests)

Audi AG:

Total amount of ISC families	23
Amount of ISC families with > 5000 vehicles sold in previous year	12
Amount of ISC families to be tested by GTAA (5 % or at least 2)	2

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	3G01	0	0	not start.
2	4H03	0	0	not start.

Please refer to *Appendix D – Audi AG* for final results.

Audi Sport GmbH:

Total amount of ISC families	4
Amount of ISC families with > 5000 vehicles sold in previous year	2
Amount of ISC families to be tested by GTAA (5 % or at least 2)	2

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	5G01	3	0	pass
2	8H01	3	0	pass

Please refer to *Appendix D – Audi Sport GmbH* for final results.

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Audi Hungaria Zrt.:

Total amount of ISC families	1
Amount of ISC families with > 5000 vehicles sold in previous year	1
Amount of ISC families to be tested by GTAA (5 % or at least 2)	1

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	4G05-B	0	0	not start.

Please refer to *Appendix D – Audi Hungaria Zrt.* for final results.

Mazda Motor Corporation:

Total amount of ISC families	11
Amount of ISC families with > 5000 vehicles sold in previous year	6
Amount of ISC families to be tested by GTAA (5 % or at least 2)	2

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	13-MAZ-0002	0	0	not start.
2	13-MAZ-0008	0	0	not start.

Please refer to *Appendix D – Mazda Motor Corporation* for final results.

Mazda Motor Logistics Europe:

Total amount of ISC families	4
Amount of ISC families with > 5000 vehicles sold in previous year	2
Amount of ISC families to be tested by GTAA (5 % or at least 2)	2

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	13-MAZ-0010	0	0	not start.
2	13-MAZ-0011	0	0	not start.

Please refer to *Appendix D – Mazda Motor Logistics Europe* for final results.

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Subaru Corporation:

Total amount of ISC families	5
Amount of ISC families with > 5000 vehicles sold in previous year	1
Amount of ISC families to be tested by GTAA (5 % or at least 2)	1

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	ISC20DIHEV	3	0	pass

Please refer to *Appendix D - Subaru* for final results.

VW AG:

Total amount of ISC families	86
Amount of ISC families with > 5000 vehicles produced ¹⁾ in previous year	22
Amount of ISC families to be tested by GTAA (5 % or at least 2)	2

Tested ISC-families (type 1 and type 1a RDE):

#	ISC family	# of cars tested	# of cars failed	status
1	13-VWx-715W_C1_DKRF_FD7_0_A_1_1-000	3	0	pass
2	13-VWx-715W_3C_DSRB_FD7_0_A_1_0-000	3	0	pass

Please refer to *Appendix D – VW AG* for final results.

7) Detailed investigations

Based on the results so far, no detailed investigations were deemed necessary.

8) Remedial measures

No remedial measures to be taken.



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Vérification:
Validation:

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)

Hard to find the appropriate cars.

G. Report of other invalid tests

Please refer to *Appendix C – 3rd parties*.

Version: 1
Date: 16.03.2021

Vérification:
Validation:
Appendix B – Audi AG

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
4H01	WAUZZZF38L1___119	109,0	-	15,6	-	13,3	-	19,4	-	-	-	0,26	0,00
			-		-		-		-	-			
			-		-		-		-	-			
6D01	WAUZZZF46LA___338	-	89,7	-	-	-	-	31,7	-	52,3	0,10	0,04	
		-		-	-	-	-		-				
		-		-	-	-	-		-				
4P01			-		-		-		-	-			
			-		-		-		-	-			
			-		-		-		-	-			
4P02			-		-		-		-	-			
			-		-		-		-	-			
			-		-		-		-	-			

Appendix B – Audi Sport GmbH

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
5G01			-		-		-		-	-			
			-		-		-		-	-			
			-		-		-		-	-			
8H01	WUAZZZF25LN___325	196,7	-	22,6	-	18,9	-	20,4	-	-	0,18	0,13	
	WUAZZZF1XMD___301	344,7	-	21,8	-	18,8	-	12,9	-	-	0,10	0,04	
			-		-		-		-	-			

Version: 1
Date: 16.03.2021

Vérification:
Validation:

Appendix B – Audi Hungaria Zrt.

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
4G05-B			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		

Appendix B – Mazda Motor Corporation

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
13-MAZ-0008			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		

Appendix B – Mazda Motor Logistics Europe

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
13-MAZ-0010			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		
13-MAZ-0011			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		

Version: 1
Date: 16.03.2021

Vérification:
Validation:

Appendix B – Subaru Corporation

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
ISC20DIHEV	JF1SKELL5LG__377	190,4	-	10,5	-	7,8	-	8,1	-	-	-	0,33	0,53
	JF1SKELL5LG__098	159,9	-	9,1	-	7,1	-	7,0	-	-	-	0,29	0,37
	JF1SKELL5LG__420	196,8	-	9,1	-	6,2	-	12,2	-	-	-	0,46	0,44

Version: 1
Date: 16.03.2021

Vérification:
Validation:
Appendix B – VW AG

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
13-VWx- 715W_AA_DSGC_ FM5_0_A_1_0-000	WVWZZZAAZMD__713	215,4	-	17,0	-	17,0	-	8,5	-	-	-	0,30	1,59
	WVWZZZAAZMD__290	170,0	-	23,2	-	21,4	-	7,3	-	-	-	1,15	2,37
	WVWZZZAAZMD__342	184,0	-	19,5	-	18,1	-	7,3	-	-	-	0,55	2,95
13-VWx- 715W_A1_DPCA_ FD7_0_A_1_0-000	WVGZZA1ZLV__141	111,3	-	13,2	-	10,6	-	12,6	-	-	-	0,05	0,06
	WVGZZA1ZLV__612	98,0	-	13,0	-	10,7	-	14,9	-	-	-	0,12	0,01
	WVGZZA1ZLV__104	88,9	-	12,6	-	10,7	-	14,6	-	-	-	0,00	0,01
13-VWx- 715W_A1_DPCA_ FD7_0_A_1_2-000	WVGZZA1ZMV__827	124,8	-	17,7	-	15,1	-	11,8	-	-	-	0,27	0,10
	WVGZZA1ZMV__015	113,4	-	20,9	-	18,8	-	13,7	-	-	-	0,15	0,01
	WVGZZA1ZMV__483	107,7	-	14,9	-	13,0	-	12,8	-	-	-	0,01	0,04
13-VWx- 715W_A1_DPCA_ FD7_0_B_1_2-000	WVGZZA1ZMK__726	177,1	-	17,1	-	14,7	-	10,2	-	-	-	0,21	0,34
	WVGZZA1ZMV__044	128,3	-	17,5	-	15,1	-	15,0	-	-	-	0,12	0,08
	WVGZZA1ZMK__852	145,3	-	15,9	-	13,3	-	13,1	-	-	-	0,13	0,09
13-VWx- 715W_CD_DSRB_ FD7_0_A_1_0-000	WVWZZZCDZMW__023	-	18,1	-	-	-	-	23,1	-	28,8	0,01	0,02	
	WVWZZZCDZMW__944	-	15,3	-	-	-	-	22,0	-	27,7	0,06	0,10	
	WVWZZZCDZLW__738	-	17,3	-	-	-	-	19,2	-	25,0	0,00	0,01	
13-VWx- 715W_CD_DSUD_ FM6_0_A_1_0-000	WVWZZZCDZLW__580	-	24,0	-	-	-	-	27,8	-	41,2	0,15	0,08	
	WVWZZZCDZLW__526	-	20,4	-	-	-	-	28,0	-	41,5	0,18	0,02	
	WVWZZZCDZLW__243	-	20,7	-	-	-	-	23,3	-	36,9	0,19	0,03	
13-VWx- 715W_CD_DSUD_ FM6_0_A_1_1-000	WVWZZZCDZMW__195	-	20,2	-	-	-	-	32,9	-	47,9	0,24	0,02	
	WVWZZZCDZMW__761	-	22,4	-	-	-	-	27,0	-	41,1	0,19	0,01	
	WVWZZZCDZMW__478	-	12,5	-	-	-	-	28,1	-	41,5	0,16	0,01	
13-VWx- 715W_C1_DLAC_ FM5_0_A_1_0-000	WVGZZC1ZMY__014	88,1	-	14,3	-	12,9	-	21,6	-	-	0,04	0,01	
	WVGZZC1ZMY__066	111,7	-	17,7	-	15,2	-	28,8	-	-	0,16	0,01	
	WVGZZC1ZMY__438	93,1	-	13,7	-	11,8	-	18,7	-	-	0,27	0,00	
13-VWx- 715W_3C_DSRA_ FM6_0_A_1_0-000	WVWZZ3CZLE__049	-	21,9	-	-	-	-	36,1	-	41,1	0,05	0,07	
	WVWZZ3CZLE__408	-	17,5	-	-	-	-	38,2	-	38,2	0,09	0,04	
	WVWZZ3CZLE__540	-	19,9	-	-	-	-	35,8	-	41,7	0,12	0,23	
13-VWx- 715W_3C_DTSB_ FD7_0_A_1_0-000	WVWZZ3CZME__602	-	16,1	-	-	-	-	22,7	-	29,7	0,13	0,01	
	WVWZZ3CZME__148	-	17,7	-	-	-	-	24,7	-	31,4	0,06	0,04	
	WVWZZ3CZME__993	-	17,4	-	-	-	-	22,8	-	30,7	0,11	0,04	

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Vérification:
Validation:
Appendix C – 3rd parties

ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO	NO _x		PN		CO		
			mg/km		#/km*10 ¹¹		mg/km	mg/km		#/km*10 ¹¹		mg/km		
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI		
			126	168	9	9	-	126	168	9	9	-		
4G04	WAUZZZ8V9L1__427	valid	14,5	-	0,01	-	26,2	26,7	-	0,02	-	40,7		
4P02	WAUZZZFYXL2__232	valid	7,5	-	0,36	-	121,8	9,9	-	0,68	-	167,5		
13-MAZ-0007-00	JMZDM6WH600__051	valid	16,1	-	0,73	-	188,7	16,6	-	0,74	-	228,8		
13-VWx-715W_A1_DPCA_FD7_0_A_1_2-000	WVGZZA1ZMV__280	valid	12,5	-	0,17	-	223,8	25,1	-	0,19	-	118,5		
13-VWx-715W_C1_DLAA_FD7_0_A_1_0-000	WVGZZC1ZMY__950	valid	16,4	-	0,00	-	186,2	39,2	-	0,01	-	150,2		
3G01	WAUZZZGB5MR__263	valid	11,6	-	0,00	-	35,7	23,2	-	0,01	-	72,5		

Following additional tests were done on request by 3rd parties. The performed tests do not represent a valid RDE test cycle:

ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO	NO _x		PN		CO		
			mg/km		#/km*10 ¹¹		mg/km	mg/km		#/km*10 ¹¹		mg/km		
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI		
			126	168	9	9	-	126	168	9	9	-		
4P02	WAUZZZFYXL2__232	not valid	10,2	-	0,23	-	166,5	9,9	-	0,24	-	97,2		
4P02	WAUZZZFYXL2__232	not valid	9,2	-	0,41	-	124,0	11,5	-	0,76	-	184,9		
4H01	WAUZZZF34L1__120	not valid	7,2	-	0,02	-	36,8	16,1	-	0,03	-	55,8		
3G01	WAUZZZGB5MR__263	not valid	12,5	-	0,01	-	38,2	24,4	-	0,01	-	79,1		

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Vérification:
Validation:

Appendix D – Audi AG

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
3G01		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
4H03		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)				
			NO _x		PN		CO	NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km	mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI	PI / CI
			126	168	9	9	-	126	168	9	9	-	
3G01			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
4H03			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	-	-	

Appendix D – Audi Sport GmbH

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
5G01	WUAZZZF36L1__491	364,9	-	16,3	-	13,6	-	12,2	-	-	-	0,43	0,12
	WUAZZZF37L1__497	199,4	-	13,0	-	11,2	-	15,4	-	-	-	0,21	0,19
	WUAZZZF30L1__406	370,0	-	20,7	-	17,9	-	12,3	-	-	-	0,26	0,27
8H01	WUAZZZF13MD__492	211,1	-	27,0	-	23,3	-	21,0	-	-	-	0,45	0,13
	WUAZZZF26LN__409	135,4	-	22,2	-	19,2	-	22,4	-	-	-	1,01	0,09
	WUAZZZF23MN__544	240,1	-	39,0	-	34,5	-	27,2	-	-	-	0,81	0,16
ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)				
			NO _x		PN		CO	NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km	mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI	PI / CI
			126	168	9	9	-	126	168	9	9	-	
5G01	WUAZZZF36L1__491	valid	11,1	-	0,27	-	221,1	17,2	-	0,36	-	289,9	
	WUAZZZF37L1__497	valid	68,3	-	0,27	-	107,9	10,1	-	0,35	-	178,6	
	WUAZZZF30L1__406	valid	7,8	-	0,37	-	88,8	12,3	-	0,55	-	118,0	
8H01	WUAZZZF13MD__492	valid	10,1	-	0,05	-	159,5	25,1	-	0,10	-	139,8	
	WUAZZZF26LN__409	valid	15,2	-	0,10	-	104,3	25,1	-	0,07	-	101,0	
	WUAZZZF23MN__544	valid	11,1	-	0,05	-	79,5	19,7	-	0,09	-	146,6	

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Vérification:
Validation:

Appendix D – Audi Hungaria Zrt.

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
4G05-B			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		

ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO		NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km		mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI	CI
			126	168	9	9	-	-	126	168	9	9	-	-
4G05-B				-		-				-		-		
				-		-				-		-		
				-		-				-		-		

Appendix D – Mazda Motor Corporation

ISC family	VIN	type 1											
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI
		1000	500	100	-	68	-	60	80	-	170	4,5	6
13-MAZ-0002			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		
13-MAZ-0008			-		-		-		-		-		
			-		-		-		-		-		
			-		-		-		-		-		

ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO		NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km		mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI	CI
			126	168	9	9	-	-	126	168	9	9	-	-
13-MAZ-0002				-		-				-		-		
				-		-				-		-		
				-		-				-		-		
13-MAZ-0008				-		-				-		-		
				-		-				-		-		
				-		-				-		-		

Version: 1
Date: 16.03.2021

Vérification:
Validation:

Appendix D – Mazda Motor Logistics Europe

ISC family	VIN	type 1												
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN	
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹	
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI	
		1000	500	100	-	68	-	60	80	-	170	4,5	6	
13-MAZ-0010			-		-		-		-		-			
			-		-		-		-		-			
			-		-		-		-		-			
13-MAZ-0011			-		-		-		-		-			
			-		-		-		-		-			
			-		-		-		-		-			
ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO		NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km		mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI	PI	CI
			126	168	9	9	-	126	168	9	9	-		
13-MAZ-0010				-		-			-		-			
				-		-			-		-			
				-		-			-		-			
13-MAZ-0011				-		-			-		-			
				-		-			-		-			
				-		-			-		-			

Appendix D – Subaru Corporation

ISC family	VIN	type 1												
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN	
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹	
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI	
		1000	500	100	-	68	-	60	80	-	170	4,5	6	
ISC20DIHEV	JF1SKELL5LG_782	162,4	-	15,7	-	12,9	-	6,4	-	-	-	0,36	0,55	
	JF1GTELL5KG_094	147,9	-	19,4	-	17,1	-	8,5	-	-	-	0,53	0,17	
	JF1GTELL5LG_560	253,8	-	13,3	-	10,3	-	4,1	-	-	-	0,14	0,35	
ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO		NO _x		PN		CO	
			mg/km		#/km*10 ¹¹		mg/km		mg/km		#/km*10 ¹¹		mg/km	
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI	PI	CI
			126	168	9	9	-	126	168	9	9	-		
ISC20DIHEV	JF1SKELL5LG_782	valid	14,2	-	0,2	-	1151,6	26,6	-	0,1	-	0,1		
	JF1GTELL5KG_094	valid	18,3	-	0,1	-	583,6	37,7	-	0,1	-	0,1		
	JF1GTELL5LG_560	valid	8,4	-	0,4	-	1625,8	16,7	-	0,3	-	465,5		

Version: 1
Date: 16.03.2021

Vérification:
Validation:
Appendix D – VW AG

ISC family	VIN	type 1												
		CO		THC		NMHC		NO _x		THC + NO _x		PM	PN	
		mg/km		mg/km		mg/km		mg/km		mg/km		mg/km	#/km*10 ¹¹	
		PI	CI	PI	CI	PI	CI	PI	CI	PI	CI	PI / CI	PI / CI	
13-VWx- 715W_C1_DKRF _FD7_0_A_1_1-000	WVGZZC1ZLY__037	152,8	-	13,9	-	11,7	-	13,5	-	-	-	0,01	0,02	
	WVGZZC1ZLY__998	217,7	-	22,7	-	20,1	-	15,2	-	-	-	0,01	0,01	
	WVGZZC1ZMY__212	155,1	-	13,3	-	11,6	-	17,1	-	-	-	0,08	0,02	
13-VWx- 715W_3C_DSRB _FD7_0_A_1_0-000	WVWZZ3CZME__905	-	23,9	-	-	-	-	23,2	-	29,6	-	0,01	0,05	
	WVWZZ3CZLE__182	-	24,5	-	-	-	-	22,2	-	28,0	-	0,01	0,23	
	WVWZZ3CZLE__732	-	26,2	-	-	-	-	25,4	-	31,4	-	0,36	0,09	
ISC family	VIN	trip dyn.	RDE (type 1a, total trip)						RDE (type 1a, urban trip)					
			NO _x		PN		CO	NO _x		PN		CO		
			mg/km		#/km*10 ¹¹		mg/km	mg/km		#/km*10 ¹¹		mg/km		
			PI	CI	PI	CI	PI / CI	PI	CI	PI	CI	PI / CI		
13-VWx- 715W_C1_DKRF _FD7_0_A_1_1-000	WVGZZC1ZLY__037	valid	8,4	-	0,02	-	112,4	14,6	-	0,01	-	109,3		
	WVGZZC1ZLY__998	valid	12,3	-	0,16	-	276,0	10,8	-	0,02	-	127,5		
	WVGZZC1ZMY__212	valid	7,7	-	0,48	-	202,8	11,5	-	0,14	-	152,6		
13-VWx- 715W_3C_DSRB _FD7_0_A_1_0-000	WVWZZ3CZME__905	valid	-	19,3	-	0,06	26,4	-	37,5	-	0,16	56,8		
	WVWZZ3CZLE__182	valid	-	24,0	-	0,26	2,5	-	24,1	-	0,38	2,5		
	WVWZZ3CZLE__732	valid	-	37,8	-	0,18	17,6	-	61,3	-	0,41	39,3		