

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	Monitoring period	2015/08/01 - 2015/12/31	2015/08/01 - 2015/12/31
(b)	Monitoring point No.	(1)	(2)
(c)	Parameters	PFC _{ip}	PD _{ip}
(d)	Description of data	Project fuel consumption of freight vehicle i during the period p	Project distance travelled by freight vehicle i during the period p
(f)	Units	kL/p	km/p
(g)	Monitoring option	Option B	Option C
(h)	Source of data	purchase bill/fuel meter/company record	odometer/data server
(i)	Measurement methods and procedures	The data is obtained from fuel purchase invoices/reciepts of Nippon Express (Vietnam) Co., Ltd. In case of in-house refueling, fuel consumption of individual vehicles will be further determined based on internal refueling records. Fuel consumption for trips outside the borders of Vietnam will be excluded from the total fuel consumption for each vehicle. QA/QC Procedures: The digital tachograph system is subject to regular maintenance and operational control as per the manufacturer's requirements and/or Vietnamese Government regulations. All data is backed up in an SD card stored in each standard model of the digital tachograph system. Any irregular values will be double-checked against the drivers' daily reports for each vehicle or the GPS data from the "Black Box" devices.	
(j)	Monitoring frequency	Monthly	Continuous
(k)	Other comments	Assumes a 7% improvement compared to the fuel consumption in the reference scenario. For the purpose of ex-ante estimations, $p =$ before (4 months). The data is kept and archived electronically for two years after the final issuance of credits.	For the purpose of ex-ante estimations, $p =$ before (4 months). The data is kept and archived electronically for two years after the final issuance of credits.
(e)	Monitored Value of vehicle i		
	i=1	1.896	13.333
	i=2	1.406	13.145
	i=3	1.423	11.569
	i=4	1.383	12.747
	i=5	1.301	12.518
	i=6	1.395	13.774
	i=7	1.388	13.542
	i=8	1.435	15.424
	i=9	1.776	14.663
	i=10	1.355	12.135
	i=11	1.363	9.829
	i=12	0.912	8.512
	i=13	1.642	12.874
	i=14	0.943	8.395
	i=15	1.154	9.209
	i=16	1.335	12.257
	i=17	1.572	17.864
	i=18	1.005	15.316
	i=19	1.597	13.873
	i=20	1.896	14.607
	i=21	1.243	14.693
	i=22	1.671	14.842
	i=23	1.072	9.781
	i=24	1.363	13.356
	i=25	1.644	14.314
	i=26	1.347	11.539
	i=27	2.058	18.056
	i=28	1.817	16.905
	i=29	2.013	18.243
	i=30	1.362	16.169
	i=31	3.116	20.659
	i=32	3.419	18.107

Table 2: Project-specific parameters fixed ex ante

(a)	Parameters	NCV _i	EF _{CO2,i}	FC _{i,before}	D _{i,before}	η _{RE,i}
(b)	Description of data	Net calorific value of fuel used by freight vehicle i	CO ₂ emission factor of fuel used by freight vehicle i	Fuel consumption by freight vehicle i measured during the period b before activation of digital tachograph system	Distance travelled by freight vehicle i measured during the period b before activation of digital tachograph system	Reference fuel efficiency of freight vehicle i
(d)	Units	GJ/kL	tCO ₂ /GJ	kL/b	km/b	kL/km
(e)	Source of data	IPCC default value from "2006 IPCC Guidelines for National Greenhouse Gas Inventory". Lower limit value of the default net calorific value is applied.	IPCC default value from "2006 IPCC Guidelines for National Greenhouse Gas Inventory". Lower limit value of the default CO ₂ emission factor is applied.	Purchase bills or consumption records: Data is obtained from newly added freight vehicles or comparable freight vehicles before activation of digital tachograph system for at least 4 days within 4 months of lower monthly mean temperature of the year (November, December, January and February).	Driver logs measured: Data is obtained from newly added freight vehicles or comparable freight vehicles before activation of digital tachograph system for at least 4 days within 4 months of lower monthly mean temperature of the year (November, December, January and February).	Calculated data before activation of digital tachograph system
(f)	Other comments	0	0			
(c)	Estimated value of vehicle i					
	i=1	34.8	0.073	1.213	7.489	0.000162
	i=2	34.8	0.073	1.702	11.017	0.000154
	i=3	34.8	0.073	1.113	6.675	0.000167
	i=4	34.8	0.073	1.382	9.033	0.000163
	i=5	34.8	0.073	1.14	6.053	0.000166
	i=6	34.8	0.073	1.700	11.445	0.000156
	i=7	34.8	0.073	1.773	12.597	0.000141
	i=8	34.8	0.073	1.320	11.167	0.000118
	i=9	34.8	0.073	1.127	8.254	0.000137
	i=10	34.8	0.073	1.425	9.478	0.000150
	i=11	34.8	0.073	1.446	9.691	0.000149
	i=12	34.8	0.073	1.506	11.155	0.000135
	i=13	34.8	0.073	1.263	8.424	0.000150
	i=14	34.8	0.073	1.198	8.802	0.000136
	i=15	34.8	0.073	1.418	9.608	0.000148
	i=16	34.8	0.073	1.438	11.047	0.000150
	i=17	34.8	0.073	1.17	6.973	0.000133
	i=18	34.8	0.073	1.695	11.314	0.000141
	i=19	34.8	0.073	1.689	12.147	0.000139
	i=20	34.8	0.073	1.694	11.839	0.000143
	i=21	34.8	0.073	1.390	10.727	0.000130
	i=22	34.8	0.073	1.480	11.541	0.000128
	i=23	34.8	0.073	1.378	11.135	0.000124
	i=24	34.8	0.073	1.648	12.421	0.000133
	i=25	34.8	0.073	1.342	8.860	0.000151
	i=26	34.8	0.073	1.492	10.783	0.000138
	i=27	34.8	0.073	2.160	15.250	0.000142
	i=28	34.8	0.073	1.635	12.301	0.000133
	i=29	34.8	0.073	1.322	10.158	0.000130
	i=30	34.8	0.073	1.464	10.15	0.000143
	i=31	34.8	0.073	2.629	14.007	0.000188
	i=32	34.8	0.073	6.044	28.546	0.000212

Table 3: Ex-post calculation of CO₂ emission reductions

(a)	Parameters	RE _p	PE _p
(b)	Description of data	Reference emissions during the period p	Project emissions during the period p
(d)	Units	[tCO ₂ /p]	[tCO ₂ /p]
(c)	Estimated value of vehicle i		
	i=1	5.5	4.8
	i=2	5.1	3.5
	i=3	4.9	3.6
	i=4	4.9	3.5
	i=5	4.9	3.3
	i=6	5.4	3.5
	i=7	4.8	3.5
	i=8	4.6	3.6
	i=9	5.1	4.5
	i=10	4.6	3.4
	i=11	3.7	3.4
	i=12	2.9	2.3
	i=13	4.9	4.1
	i=14	2.9	2.4
	i=15	3.4	2.9
	i=16	4.1	3.4
	i=17	6.0	4.0
	i=18	5.4	4.6
	i=19	4.9	4.0
	i=20	5.3	5.0
	i=21	4.8	3.1
	i=22	4.8	4.2
	i=23	3.1	2.7
	i=24	4.5	3.4
	i=25	5.5	4.2
	i=26	4.0	3.4
	i=27	6.5	5.2
	i=28	5.7	4.6
	i=29	6.0	5.1
	i=30	5.9	3.4
	i=31	9.8	7.9
	i=32	9.7	8.6

Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2015/08/01 - 2015/12/31	131	tCO ₂ /p

[Monitoring option]	
Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

i=33	4.346	25,297
i=34	5.651	23,222
i=35	0.809	7
i=36	6.630	11,537
i=37	8.676	19,067
i=38	5.012	14,538
i=39	5.128	11,253
i=40	2.334	6,390
i=41	2.370	1,659
i=42	6.338	11,915
i=43	6.864	12,000
i=44	5.440	9,462
i=45	4.744	8,805
i=46	3.915	13,213
i=47	5.882	13,179
i=48	11,012	23,968
i=49	8.388	13,275
i=50	6.060	13,838
i=51	10,779	23,082
i=52	12,561	25,950
i=53	10,614	22,052
i=54	7.185	15,012
i=55	9.886	17,341
i=56	9.070	15,052
i=57	6.120	13,552
i=58	7.313	15,897
i=59	11,158	23,765
i=60	8.570	17,561
i=61	0.000	0
i=62	8.317	16,424
i=63	8.070	18,298
i=64	18,230	31,869
i=65	8.191	16,638
i=66	5.499	11,934
i=67	7.937	16,224
i=68	11,486	25,143
i=69	13,181	24,700
i=70	6.094	14,700
i=71	0.000	0
i=72	8.921	22,618
i=73	9.364	24,127
i=74	10,355	24,923
i=75	11,472	28,002
i=76	9.917	24,876
i=77	11,394	28,197
i=78	10,664	27,764
i=79	9.372	22,948
i=80	8.530	24,696
i=81	8.927	24,695
i=82	8.061	22,374
i=83	8.799	25,847
i=84	8.307	23,890
i=85	11,117	27,575
i=86	11,977	29,077
i=87	2,105	21,448
i=88	2,224	22,088
i=89	2,447	23,790
i=90	2,419	21,691
i=91	2,783	26,590
i=92	3,411	23,162
i=93	3,017	22,876
i=94	7,066	23,951
i=95	3,485	23,781
i=96	3,244	23,493
i=97	3,442	22,922
i=98	4,400	24,433
i=99	4,247	23,703
i=100	5,446	28,748
i=101	4,211	25,105
i=102	2,127	23,171
i=103	1,981	21,528
i=104	1,945	20,627
i=105	2,845	24,546
i=106	3,379	26,497
i=107	2,540	22,594
i=108	3,623	26,618
i=109	3,168	25,543
i=110	3,003	23,770
i=111	3,188	21,846
i=112	4,462	27,354
i=113	4,575	26,770
i=114	2,648	20,444
i=115	5,951	28,176
i=116	0.000	0
i=117	0.000	0
i=118	0.000	0
i=119	0.000	0
i=120	0.000	0
i=121	0.000	0
i=122	0.000	0
i=123	0.000	0
i=124	0.000	0
i=125	0.000	0
i=126	0.000	0
i=127	0.000	0
i=128	0.000	0
i=129	0.000	0
i=130	0.000	0

i=33	34.8	0.073	4,685	25,509	0.000184
i=34	34.8	0.073	5,382	23,488	0.000229
i=35	34.8	0.073	1,795	5,576	0.000325
i=36	34.8	0.073	7,140	14,636	0.000369
i=37	34.8	0.073	6,73	15,648	0.000439
i=38	34.8	0.073	4,743	10,643	0.000446
i=39	34.8	0.073	6,104	10,772	0.000567
i=40	34.8	0.073	6,977	9,250	0.000754
i=41	34.8	0.073	3,960	3,335	0.001187
i=42	34.8	0.073	9,098	19,830	0.000459
i=43	34.8	0.073	7,184	14,389	0.000499
i=44	34.8	0.073	4,792	8,366	0.000573
i=45	34.8	0.073	6,166	10,596	0.000582
i=46	34.8	0.073	6,695	7,335	0.000913
i=47	34.8	0.073	6,082	14,316	0.004025
i=48	34.8	0.073	7,52	15,368	0.000688
i=49	34.8	0.073	7,936	9,170	0.000865
i=50	34.8	0.073	5,937	11,588	0.000512
i=51	34.8	0.073	8,669	17,849	0.000486
i=52	34.8	0.073	9,878	20,583	0.000480
i=53	34.8	0.073	10,142	19,506	0.000520
i=54	34.8	0.073	6,143	6,341	0.000969
i=55	34.8	0.073	6,957	14,239	0.000489
i=56	34.8	0.073	5,922	11,037	0.000537
i=57	34.8	0.073	6,495	16,825	0.000386
i=58	34.8	0.073	8,957	18,599	0.000482
i=59	34.8	0.073	4,970	9,138	0.000544
i=60	34.8	0.073	6,631	11,921	0.000558
i=61	34.8	0.073	11,232	22,000	0.000112
i=62	34.8	0.073	12,315	22,821	0.000540
i=63	34.8	0.073	14,918	25,204	0.000592
i=64	34.8	0.073	11,601	21,604	0.000537
i=65	34.8	0.073	9,562	20,954	0.000456
i=66	34.8	0.073	10,637	23,124	0.000460
i=67	34.8	0.073	3,952	8,908	0.000444
i=68	34.8	0.073	9,883	23,533	0.000420
i=69	34.8	0.073	13,197	25,793	0.000512
i=70	34.8	0.073	7,089	13,998	0.000506
i=71	34.8	0.073	8,667	16,129	0.000537
i=72	34.8	0.073	7,095	18,904	0.000375
i=73	34.8	0.073	10,035	23,072	0.001919
i=74	34.8	0.073	7,264	17,636	0.000407
i=75	34.8	0.073	8,220	19,845	0.000414
i=76	34.8	0.073	9,955	24,756	0.000402
i=77	34.8	0.073	10,242	26,092	0.000393
i=78	34.8	0.073	9,792	22,134	0.000442
i=79	34.8	0.073	10,479	23,872	0.000439
i=80	34.8	0.073	6,413	18,811	0.000341
i=81	34.8	0.073	6,607	19,643	0.000336
i=82	34.8	0.073	7,214	16,685	0.000432
i=83	34.8	0.073	6,692	18,913	0.000354
i=84	34.8	0.073	7,738	21,599	0.000358
i=85	34.8	0.073	9,381	25,199	0.000272
i=86	34.8	0.073	8,500	19,997	0.000457
i=87	34.8	0.073	1,482	13,730	0.000108
i=88	34.8	0.073	1,101	10,821	0.000102
i=89	34.8	0.073	2,176	16,343	0.000133
i=90	34.8	0.073	2,782	20,702	0.000134
i=91	34.8	0.073	2,710	18,949	0.000143
i=92	34.8	0.073	2,970	18,139	0.000164
i=93	34.8	0.073	2,653	16,174	0.000164
i=94	34.8	0.073	3,890	23,420	0.000166
i=95	34.8	0.073	3,876	22,751	0.000170
i=96	34.8	0.073	2,902	17,571	0.000165
i=97	34.8	0.073	2,421	13,670	0.000177
i=98	34.8	0.073	2,258	11,537	0.000165
i=99	34.8	0.073	2,100	13,977	0.000188
i=100	34.8	0.073	5,189	24,325	0.000213
i=101	34.8	0.073	3,653	19,525	0.000187
i=102	34.8	0.073	1,460	14,227	0.000103
i=103	34.8	0.073	1,633	14,059	0.000116
i=104	34.8	0.073	1,462	13,566	0.000108
i=105	34.8	0.073	2,797	21,876	0.000128
i=106	34.8	0.073	2,682	18,512	0.000145
i=107	34.8	0.073	2,412	18,401	0.000131
i=108	34.8	0.073	2,839	17,033	0.000167
i=109	34.8	0.073	2,944	18,296	0.000161
i=110	34.8	0.073	2,933	17,771	0.000159
i=111	34.8	0.073	2,917	17,506	0.000167
i=112	34.8	0.073	2,484	12,589	0.000197
i=113	34.8	0.073	2,696	13,717	0.000197
i=114	34.8	0.073	1,973	12,952	0.000152
i=115	34.8	0.073	5,017	22,120	0.000227
i=116	34.8	0.073	1,975	15,000	0.000132
i=117	34.8	0.073	1,975	15,000	0.000132
i=118	34.8	0.073	5,045	15,000	0.000336
i=119	34.8	0.073	5,045	15,000	0.000336
i=120	34.8	0.073	5,045	15,000	0.000336
i=121	34.8	0.073	5,045	15,000	0.000336
i=122	34.8	0.073	5,045	15,000	0.000336
i=123	34.8	0.073	5,045	15,000	0.000336
i=124	34.8	0.073	5,045	15,000	0.000336
i=125	34.8	0.073	1,975	15,000	0.000132
i=126	34.8	0.073	1,975	15,000	0.000132
i=127	34.8	0.073	5,045	15,000	0.000336
i=128	34.8	0.073	5,045	15,000	0.000336
i=129	34.8	0.073	5,045	15,000	0.000336
i=130	34.8	0.073	5,045	15,000	0.000336

i=33	11.7	11.0
i=34	13.4	14.3
i=35	15	2.0
i=36	14.2	16.8
i=37	21	21.9
i=38	16.4	12.7
i=39	16.1	12.9
i=40	12.2	5.9
i=41	5.0	6.0
i=42	13.8	16.0
i=43	15.1	17.3
i=44	13.7	13.7
i=45	12.9	12.0
i=46	30.4	9.9
i=47	14.1	14.9
i=48	29.4	27.6
i=49	23.0	22.2
i=50	17.9	17.6
i=51	28.3	27.2
i=52	31.4	31.7
i=53	28.9	26.8
i=54	36.7	18.1
i=55	21.4	25.0
i=56	20.4	22.9
i=57	13.2	15.5
i=58	19.3	18.5
i=59	32.6	28.2
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period p	N/A	131.3	tCO ₂ /p	ER _p
2. Selected default values, etc.				
3. Calculations for reference emissions				
Reference emissions during the period p	N/A	1,593.6	tCO ₂ /p	RE _p
4. Calculations of the project emissions				
Project emissions during the period p	N/A	1,462.4	tCO ₂ /p	PE _p

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored ex post

(a)	Monitoring period	2016/01/01 - 2016/06/30	2016/01/01 - 2016/06/30																																																																																																				
(b)	Monitoring point No.	(1)	(2)																																																																																																				
(c)	Parameters	PFC _{ip}	PD _{ip}																																																																																																				
(d)	Description of data	Project fuel consumption of freight vehicle i during the period p	Project distance travelled by freight vehicle i during the period p																																																																																																				
(f)	Units	kL/p	km/p																																																																																																				
(g)	Monitoring option	Option B	Option C																																																																																																				
(h)	Source of data	purchase bill/fuel meter/company record	odometer/data server																																																																																																				
(i)	Measurement methods and procedures	The data is obtained from fuel purchase invoices/reciepts of Nippon Express (Vietnam) Co., Ltd. In case of in-house refueling, fuel consumption of individual vehicles will be further determined based on internal refueling records. Fuel consumption for trips outside the borders of Vietnam will be excluded from the total fuel consumption for each vehicle. QA/QC Procedures: In case of any irregular values, the data are compared against the accounting information of Nippon Express (Vietnam) Co., Ltd and/or internal target values for fuel efficiency and/or data from the fuel sensor of the digital tachograph system.	The data is obtained from the records by the GPS tracking system which is part of the digital tachograph system. The system has a level of precision equivalent to the "Black Box" devices approved by the Vietnamese Government. Distance traveled outside the borders of Vietnam will be subtracted from the total distance traveled for each vehicle. QA/QC procedures: The digital tachograph system is subject to regular maintenance and operational control as per the manufacturer's requirements and/or Vietnamese Government regulations. All data is backed up in an SD card installed in each standard model of the digital tachograph system. Any irregular values will be double-checked against the drivers' daily reports for each vehicle or the GPS data from the "Black Box" devices.																																																																																																				
(j)	Monitoring frequency	Monthly	Continuous																																																																																																				
(k)	Other comments	Assumes a 7% improvement compared to the fuel consumption in the reference scenario. For the purpose of ex-ante estimations, $p =$ Period (4 months). The data is kept and archived electronically for two years after the final issuance of credits.	For the purpose of ex-ante estimations, $p =$ Period (4 months). The data is kept and archived electronically for two years after the final issuance of credits.																																																																																																				
(e)	Monitored Value of vehicle i	<table border="1"> <tbody> <tr><td>i=1</td><td>2.275</td><td>16.000</td></tr> <tr><td>i=2</td><td>1.688</td><td>15.774</td></tr> <tr><td>i=3</td><td>1.707</td><td>13.883</td></tr> <tr><td>i=4</td><td>1.660</td><td>15.297</td></tr> <tr><td>i=5</td><td>1.562</td><td>14.782</td></tr> <tr><td>i=6</td><td>1.674</td><td>16.528</td></tr> <tr><td>i=7</td><td>1.666</td><td>16.251</td></tr> <tr><td>i=8</td><td>1.722</td><td>16.569</td></tr> <tr><td>i=9</td><td>2.131</td><td>17.596</td></tr> <tr><td>i=10</td><td>1.627</td><td>14.562</td></tr> <tr><td>i=11</td><td>1.635</td><td>11.796</td></tr> <tr><td>i=12</td><td>1.095</td><td>10.215</td></tr> <tr><td>i=13</td><td>1.971</td><td>15.449</td></tr> <tr><td>i=14</td><td>1.131</td><td>10.074</td></tr> <tr><td>i=15</td><td>1.385</td><td>11.051</td></tr> <tr><td>i=16</td><td>1.602</td><td>15.044</td></tr> <tr><td>i=17</td><td>1.886</td><td>21.436</td></tr> <tr><td>i=18</td><td>2.166</td><td>18.380</td></tr> <tr><td>i=19</td><td>1.916</td><td>16.648</td></tr> <tr><td>i=20</td><td>2.365</td><td>17.455</td></tr> <tr><td>i=21</td><td>1.492</td><td>17.632</td></tr> <tr><td>i=22</td><td>2.005</td><td>17.811</td></tr> <tr><td>i=23</td><td>1.298</td><td>11.737</td></tr> <tr><td>i=24</td><td>1.636</td><td>16.027</td></tr> <tr><td>i=25</td><td>1.972</td><td>17.177</td></tr> <tr><td>i=26</td><td>1.616</td><td>13.847</td></tr> <tr><td>i=27</td><td>2.470</td><td>21.667</td></tr> <tr><td>i=28</td><td>2.180</td><td>20.285</td></tr> <tr><td>i=29</td><td>2.415</td><td>21.892</td></tr> <tr><td>i=30</td><td>1.634</td><td>19.402</td></tr> <tr><td>i=31</td><td>3.739</td><td>24.790</td></tr> <tr><td>i=32</td><td>4.103</td><td>21.728</td></tr> <tr><td>i=33</td><td>5.215</td><td>30.356</td></tr> </tbody> </table>			i=1	2.275	16.000	i=2	1.688	15.774	i=3	1.707	13.883	i=4	1.660	15.297	i=5	1.562	14.782	i=6	1.674	16.528	i=7	1.666	16.251	i=8	1.722	16.569	i=9	2.131	17.596	i=10	1.627	14.562	i=11	1.635	11.796	i=12	1.095	10.215	i=13	1.971	15.449	i=14	1.131	10.074	i=15	1.385	11.051	i=16	1.602	15.044	i=17	1.886	21.436	i=18	2.166	18.380	i=19	1.916	16.648	i=20	2.365	17.455	i=21	1.492	17.632	i=22	2.005	17.811	i=23	1.298	11.737	i=24	1.636	16.027	i=25	1.972	17.177	i=26	1.616	13.847	i=27	2.470	21.667	i=28	2.180	20.285	i=29	2.415	21.892	i=30	1.634	19.402	i=31	3.739	24.790	i=32	4.103	21.728	i=33	5.215	30.356
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Table 2: Project-specific parameters fixed ex ante

(a)	Parameters	NCV _i	EF _{CO2i}	FC _{i,before}	D _{i,before}	η _{RE,i}																																																																																																																																																																																																					
(b)	Description of data	Net calorific value of fuel used by freight vehicle i	CO ₂ emission factor of fuel used by freight vehicle i	Fuel consumption by freight vehicle i measured during the period b before activation of digital tachograph system	Distance travelled by freight vehicle i measured during the period b before activation of digital tachograph system	Reference fuel efficiency of freight vehicle i																																																																																																																																																																																																					
(d)	Units	GJ/kL	tCO ₂ /GJ	kL/b	km/b	kL/km																																																																																																																																																																																																					
(e)	Source of data	IPCC default value from "2006 IPCC Guidelines for National Greenhouse Gas Inventory". Lower limit value of the default net calorific value is applied.	IPCC default value from "2006 IPCC Guidelines for National Greenhouse Gas Inventory". Lower limit value of the default CO ₂ emission factor is applied.	Purchase bills or consumption records: Data is obtained from newly added freight vehicles or comparable freight vehicles before activation of digital tachograph system for at least 4 days within 4 months of lower monthly mean temperature of the year (November, December, January and February).	Driver logs measured: Data is obtained from newly added freight vehicles or comparable freight vehicles before activation of digital tachograph system for at least 4 days within 4 months of lower monthly mean temperature of the year (November, December, January and February).	Calculated data before activation of digital tachograph system																																																																																																																																																																																																					
(f)	Other comments	0	0																																																																																																																																																																																																								
(c)	Estimated value of vehicle i	<table border="1"> <tbody> <tr><td>i=1</td><td>34.8</td><td>0.073</td><td>1.213</td><td>7.489</td><td>0.000162</td></tr> <tr><td>i=2</td><td>34.8</td><td>0.073</td><td>1.702</td><td>11.017</td><td>0.000154</td></tr> <tr><td>i=3</td><td>34.8</td><td>0.073</td><td>1.113</td><td>6.675</td><td>0.000167</td></tr> <tr><td>i=4</td><td>34.8</td><td>0.073</td><td>1.382</td><td>9.033</td><td>0.000153</td></tr> <tr><td>i=5</td><td>34.8</td><td>0.073</td><td>1.714</td><td>10.952</td><td>0.000156</td></tr> <tr><td>i=6</td><td>34.8</td><td>0.073</td><td>1.790</td><td>11.445</td><td>0.000156</td></tr> <tr><td>i=7</td><td>34.8</td><td>0.073</td><td>1.773</td><td>12.537</td><td>0.000141</td></tr> <tr><td>i=8</td><td>34.8</td><td>0.073</td><td>1.50</td><td>11.167</td><td>0.000118</td></tr> <tr><td>i=9</td><td>34.8</td><td>0.073</td><td>1.127</td><td>8.254</td><td>0.000137</td></tr> <tr><td>i=10</td><td>34.8</td><td>0.073</td><td>1.425</td><td>9.478</td><td>0.000150</td></tr> <tr><td>i=11</td><td>34.8</td><td>0.073</td><td>1.446</td><td>9.691</td><td>0.000149</td></tr> <tr><td>i=12</td><td>34.8</td><td>0.073</td><td>1.506</td><td>11.155</td><td>0.000135</td></tr> <tr><td>i=13</td><td>34.8</td><td>0.073</td><td>1.263</td><td>8.424</td><td>0.000150</td></tr> <tr><td>i=14</td><td>34.8</td><td>0.073</td><td>1.198</td><td>8.802</td><td>0.000136</td></tr> <tr><td>i=15</td><td>34.8</td><td>0.073</td><td>1.418</td><td>9.608</td><td>0.000148</td></tr> <tr><td>i=16</td><td>34.8</td><td>0.073</td><td>1.438</td><td>11.047</td><td>0.000130</td></tr> <tr><td>i=17</td><td>34.8</td><td>0.073</td><td>1.317</td><td>9.873</td><td>0.000133</td></tr> <tr><td>i=18</td><td>34.8</td><td>0.073</td><td>1.595</td><td>11.314</td><td>0.000141</td></tr> <tr><td>i=19</td><td>34.8</td><td>0.073</td><td>1.689</td><td>12.147</td><td>0.000139</td></tr> <tr><td>i=20</td><td>34.8</td><td>0.073</td><td>1.544</td><td>11.839</td><td>0.000143</td></tr> <tr><td>i=21</td><td>34.8</td><td>0.073</td><td>1.590</td><td>10.727</td><td>0.000130</td></tr> <tr><td>i=22</td><td>34.8</td><td>0.073</td><td>1.480</td><td>11.541</td><td>0.000128</td></tr> <tr><td>i=23</td><td>34.8</td><td>0.073</td><td>1.378</td><td>11.135</td><td>0.000124</td></tr> <tr><td>i=24</td><td>34.8</td><td>0.073</td><td>1.648</td><td>12.421</td><td>0.000133</td></tr> <tr><td>i=25</td><td>34.8</td><td>0.073</td><td>1.342</td><td>8.860</td><td>0.000151</td></tr> <tr><td>i=26</td><td>34.8</td><td>0.073</td><td>1.492</td><td>10.783</td><td>0.000138</td></tr> <tr><td>i=27</td><td>34.8</td><td>0.073</td><td>2.160</td><td>15.250</td><td>0.000142</td></tr> <tr><td>i=28</td><td>34.8</td><td>0.073</td><td>1.635</td><td>12.301</td><td>0.000133</td></tr> <tr><td>i=29</td><td>34.8</td><td>0.073</td><td>1.322</td><td>10.158</td><td>0.000130</td></tr> <tr><td>i=30</td><td>34.8</td><td>0.073</td><td>1.464</td><td>10.215</td><td>0.000143</td></tr> <tr><td>i=31</td><td>34.8</td><td>0.073</td><td>2.629</td><td>14.007</td><td>0.000188</td></tr> <tr><td>i=32</td><td>34.8</td><td>0.073</td><td>6.044</td><td>28.546</td><td>0.000212</td></tr> <tr><td>i=33</td><td>34.8</td><td>0.073</td><td>4.685</td><td>25.509</td><td>0.000184</td></tr> </tbody> </table>				i=1	34.8	0.073	1.213	7.489	0.000162	i=2	34.8	0.073	1.702	11.017	0.000154	i=3	34.8	0.073	1.113	6.675	0.000167	i=4	34.8	0.073	1.382	9.033	0.000153	i=5	34.8	0.073	1.714	10.952	0.000156	i=6	34.8	0.073	1.790	11.445	0.000156	i=7	34.8	0.073	1.773	12.537	0.000141	i=8	34.8	0.073	1.50	11.167	0.000118	i=9	34.8	0.073	1.127	8.254	0.000137	i=10	34.8	0.073	1.425	9.478	0.000150	i=11	34.8	0.073	1.446	9.691	0.000149	i=12	34.8	0.073	1.506	11.155	0.000135	i=13	34.8	0.073	1.263	8.424	0.000150	i=14	34.8	0.073	1.198	8.802	0.000136	i=15	34.8	0.073	1.418	9.608	0.000148	i=16	34.8	0.073	1.438	11.047	0.000130	i=17	34.8	0.073	1.317	9.873	0.000133	i=18	34.8	0.073	1.595	11.314	0.000141	i=19	34.8	0.073	1.689	12.147	0.000139	i=20	34.8	0.073	1.544	11.839	0.000143	i=21	34.8	0.073	1.590	10.727	0.000130	i=22	34.8	0.073	1.480	11.541	0.000128	i=23	34.8	0.073	1.378	11.135	0.000124	i=24	34.8	0.073	1.648	12.421	0.000133	i=25	34.8	0.073	1.342	8.860	0.000151	i=26	34.8	0.073	1.492	10.783	0.000138	i=27	34.8	0.073	2.160	15.250	0.000142	i=28	34.8	0.073	1.635	12.301	0.000133	i=29	34.8	0.073	1.322	10.158	0.000130	i=30	34.8	0.073	1.464	10.215	0.000143	i=31	34.8	0.073	2.629	14.007	0.000188	i=32	34.8	0.073	6.044	28.546	0.000212	i=33	34.8	0.073	4.685	25.509	0.000184
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Table3: Ex-post calculation of CO₂ emission reductions

(a)	Parameters	RE _p	PE _p																																																																																																				
(b)	Description of data	Reference emissions during the period p	Project emissions during the period p																																																																																																				
(d)	Units	[tCO ₂ /p]	[tCO ₂ /p]																																																																																																				
(c)	Estimated value of vehicle i	<table border="1"> <tbody> <tr><td>i=1</td><td>6.5</td><td>5.7</td></tr> <tr><td>i=2</td><td>6.2</td><td>4.3</td></tr> <tr><td>i=3</td><td>5.8</td><td>4.3</td></tr> <tr><td>i=4</td><td>5.9</td><td>4.2</td></tr> <tr><td>i=5</td><td>5.8</td><td>3.9</td></tr> <tr><td>i=6</td><td>6.5</td><td>4.2</td></tr> <tr><td>i=7</td><td>5.8</td><td>4.2</td></tr> <tr><td>i=8</td><td>5.5</td><td>4.3</td></tr> <tr><td>i=9</td><td>6.1</td><td>5.4</td></tr> <tr><td>i=10</td><td>5.5</td><td>4.1</td></tr> <tr><td>i=11</td><td>4.4</td><td>4.1</td></tr> <tr><td>i=12</td><td>3.5</td><td>2.8</td></tr> <tr><td>i=13</td><td>5.8</td><td>5.0</td></tr> <tr><td>i=14</td><td>3.5</td><td>2.9</td></tr> <tr><td>i=15</td><td>4.1</td><td>3.5</td></tr> <tr><td>i=16</td><td>4.9</td><td>4.0</td></tr> <tr><td>i=17</td><td>7.2</td><td>4.8</td></tr> <tr><td>i=18</td><td>6.5</td><td>5.5</td></tr> <tr><td>i=19</td><td>5.8</td><td>4.8</td></tr> <tr><td>i=20</td><td>6.3</td><td>6.0</td></tr> <tr><td>i=21</td><td>5.5</td><td>5.8</td></tr> <tr><td>i=22</td><td>5.8</td><td>5.1</td></tr> <tr><td>i=23</td><td>3.7</td><td>3.2</td></tr> <tr><td>i=24</td><td>5.4</td><td>4.1</td></tr> <tr><td>i=25</td><td>6.6</td><td>5.0</td></tr> <tr><td>i=26</td><td>4.8</td><td>4.1</td></tr> <tr><td>i=27</td><td>7.7</td><td>6.2</td></tr> <tr><td>i=28</td><td>6.8</td><td>5.5</td></tr> <tr><td>i=29</td><td>7.2</td><td>6.1</td></tr> <tr><td>i=30</td><td>7.0</td><td>4.1</td></tr> <tr><td>i=31</td><td>11.7</td><td>9.4</td></tr> <tr><td>i=32</td><td>11.6</td><td>10.4</td></tr> <tr><td>i=33</td><td>14.1</td><td>13.2</td></tr> </tbody> </table>			i=1	6.5	5.7	i=2	6.2	4.3	i=3	5.8	4.3	i=4	5.9	4.2	i=5	5.8	3.9	i=6	6.5	4.2	i=7	5.8	4.2	i=8	5.5	4.3	i=9	6.1	5.4	i=10	5.5	4.1	i=11	4.4	4.1	i=12	3.5	2.8	i=13	5.8	5.0	i=14	3.5	2.9	i=15	4.1	3.5	i=16	4.9	4.0	i=17	7.2	4.8	i=18	6.5	5.5	i=19	5.8	4.8	i=20	6.3	6.0	i=21	5.5	5.8	i=22	5.8	5.1	i=23	3.7	3.2	i=24	5.4	4.1	i=25	6.6	5.0	i=26	4.8	4.1	i=27	7.7	6.2	i=28	6.8	5.5	i=29	7.2	6.1	i=30	7.0	4.1	i=31	11.7	9.4	i=32	11.6	10.4	i=33	14.1	13.2
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Table3: Ex-post calculation of CO₂ emission reductions

Monitoring Period	CO ₂ emission reductions	Units
2016/01/01 - 2016/06/30	157	tCO ₂ /p

(Monitoring option)	
Option A	Based on public data which is measured by entities other than the project participants (Data used: publicly recognized data such as statistical data and specifications)
Option B	Based on the amount of transaction which is measured directly using measuring equipments (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipments (Data used: measured values)

i=34	6.781	27.867
i=35	0.970	2.231
i=36	7.967	13.365
i=37	10.411	22.681
i=38	6.014	17.446
i=39	6.153	13.504
i=40	2.801	7.668
i=41	2.844	1.991
i=42	7.605	14.298
i=43	8.237	14.399
i=44	6.528	11.354
i=45	5.693	10.566
i=46	4.697	15.855
i=47	7.058	15.814
i=48	13.215	28.690
i=49	10.065	16.350
i=50	8.552	16.605
i=51	12.934	27.698
i=52	15.073	31.140
i=53	12.737	26.462
i=54	8.622	18.014
i=55	11.863	20.809
i=56	10.884	18.063
i=57	7.344	16.262
i=58	8.775	19.077
i=59	13.390	28.518
i=60	10.284	21.073
i=61	0.000	0
i=62	9.360	19.769
i=63	9.684	21.957
i=64	21.975	38.243
i=65	9.830	19.966
i=66	6.599	14.320
i=67	9.524	19.468
i=68	13.783	30.171
i=69	15.817	29.640
i=70	7.313	17.640
i=71	0.000	0
i=72	10.706	27.621
i=73	11.117	28.952
i=74	12.265	20.958
i=75	13.767	33.602
i=76	11.901	29.851
i=77	13.673	33.837
i=78	12.797	33.317
i=79	11.247	27.537
i=80	10.235	29.635
i=81	10.713	29.634
i=82	9.674	26.848
i=83	10.559	31.016
i=84	9.968	28.668
i=85	14.181	33.522
i=86	14.372	34.5
i=87	2.525	25.738
i=88	2.568	26.505
i=89	2.936	28.535
i=90	2.902	26.029
i=91	3.340	31.908
i=92	4.094	27.794
i=93	3.621	27.451
i=94	8.480	28.741
i=95	4.182	28.537
i=96	3.893	28.192
i=97	4.131	27.507
i=98	5.280	29.956
i=99	5.007	28.444
i=100	6.535	34.498
i=101	5.054	30.126
i=102	2.552	27.805
i=103	2.377	25.833
i=104	2.335	24.753
i=105	3.414	29.456
i=106	4.055	31.797
i=107	3.047	27.112
i=108	4.348	31.942
i=109	3.802	30.051
i=110	3.699	26.724
i=111	3.825	26.15
i=112	5.355	32.825
i=113	5.490	32.124
i=114	3.177	24.533
i=115	7.141	33.811
i=116	0.000	0
i=117	0.000	0
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Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reductions	Fuel type	Value	Units	Parameter
Emission reductions during the period p	N/A	157.5	tCO ₂ /p	ER _p
2. Selected default values, etc.				
3. Calculations for reference emissions				
Reference emissions during the period p	N/A	1,912.3	tCO ₂ /p	RE _p
4. Calculations of the project emissions				
Project emissions during the period p	N/A	1,754.8	tCO ₂ /p	PE _p