

Link Validation Certificate

Primary Site Location: A338 - Blackwater to Cooper Dean SB

Validation Date: 28/05/2019

Next Annual Link Validation Due Before: 28/05/2020

Location: S2Main

Location: S3

Camera ID's: S2Main

Camera ID's: S3

S/N's: 103870

S/N's: 103874

Link ID: 001.1_003.1

ERCU S/N: GC1MYR2

The following table of speeds was created from records generated by a VBox Race Timer as it was driven through the link, and records extracted from the ERCU for the same time periods using the VRM of the vehicle.

Direction: location S2Main to location S3

Run	Date	Time	GPS Speed	ERCU Speed	% Difference
1	28/05/2019	18:09:14	38.381	38.000	-0.992
2	28/05/2019	17:53:54	38.491	38.000	-1.276
3	28/05/2019	19:52:30	36.508	36.000	-1.392
4	28/05/2019	15:29:54	38.657	38.000	-1.701
5	28/05/2019	19:06:31	36.650	36.000	-1.774
6	28/05/2019	18:51:11	39.718	39.000	-1.807
7	28/05/2019	18:24:14	38.702	38.000	-1.815
8	28/05/2019	17:37:55	37.767	37.000	-2.031
9	28/05/2019	20:07:50	35.772	35.000	-2.158
10	28/05/2019	19:37:10	36.834	36.000	-2.264


This information is lodged as a data pack under the part number : 667/QF/55503/000


Calibration Equipment

Vbox Race Timer Serial no : 00036862

I confirm that the Safezone Average Speed Installation described above has been configured with the baseline distances specified in this certificate (as measured by the procedure specified in 667/HE/45141/000) in accordance with the Home Office Type Approval for the Safezone Average Speed System.

All parts and components used in the installation, including any replaced, are identical to those used in the device as Type Approved.

Signed by UZOR ACHUKOH 
 Date 21-JUNE-2019
 Job Title LEAD ENFORCEMENT SOLUTIONS ENGINEER

Signed by S.D.B. 
 Date 21-JUNE-2019
 Job Title ENGINEERING DIRECTOR

Siemens has exercised all reasonable skill, care and diligence in the production of the above declaration. Any results or recommendations given in this declaration are correct to the best of Siemens' knowledge at the time of preparing the report.

Link Validation Certificate

Primary Site Location: A338 - Blackwater to Cooper Dean SB

Validation Date: 28/05/2019

Next Annual Link Validation Due Before: 28/05/2020

Location: S2Slip

Location: S3

Camera ID's: S2Slip

Camera ID's: S3

S/N's: 103872

S/N's: 103874

Link ID: 002.1_003.1

ERCU S/N: GC1MYR2

The following table of speeds was created from records generated by a VBox Race Timer as it was driven through the link, and records extracted from the ERCU for the same time periods using the VRM of the vehicle.

Direction: location S2Slip to location S3

Run	Date	Time	GPS Speed	ERCU Speed	% Difference
1	28/05/2019	14:26:16	36.976	37.000	0.064
2	28/05/2019	16:17:18	36.197	36.000	-0.546
3	28/05/2019	13:04:35	37.412	37.000	-1.101
4	28/05/2019	15:59:35	38.576	38.000	-1.492
5	28/05/2019	16:05:57	35.533	35.000	-1.500
6	28/05/2019	15:39:13	37.615	37.000	-1.635
7	28/05/2019	13:15:54	37.644	37.000	-1.712
8	28/05/2019	14:11:15	35.757	35.000	-2.116
9	28/05/2019	15:14:14	35.768	35.000	-2.148
10	28/05/2019	16:24:16	35.845	35.000	-2.358

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Calibration Equipment

Vbox Race Timer Serial no : 00036862

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All parts and components used in the installation, including any replaced, are identical to those used in the device as Type Approved.

Signed by *U202 Achukoff*
 Date *21-JUNE-2019*
 Job Title *LEAD ENFORCEMENT SOLUTIONS ENGINEER*

Signed by *S.D.S.*
 Date *21-JUNE-2019*
 Job Title *ENGINEERING DIRECTOR*

Siemens has exercised all reasonable skill, care and diligence in the production of the above declaration. Any results or recommendations given in this declaration are correct to the best of Siemens' knowledge at the time of preparing the report.

Link Validation Certificate

Primary Site Location: A338 - Cooper Dean to Blackwater NB

Validation Date: 28/05/2019

Next Annual Link Validation Due Before: 28/05/2020

Location: N1

Location: N2

Camera ID's: N1

Camera ID's: N2

S/N's: 103871

S/N's: 103873

Link ID: 004.1_005.1

ERCU S/N: GC1MYR2

The following table of speeds was created from records generated by a VBox Race Timer as it was driven through the link, and records extracted from the ERCU for the same time periods using the VRM of the vehicle.

Direction: location N1 to location N2

Run	Date	Time	GPS Speed	ERCU Speed	% Difference
1	28/05/2019	12:59:12	45.116	45.000	-0.258
2	28/05/2019	14:29:33	44.237	44.000	-0.536
3	28/05/2019	14:58:12	44.281	44.000	-0.635
4	28/05/2019	15:49:12	39.274	39.000	-0.697
5	28/05/2019	15:17:32	46.389	46.000	-0.838
6	28/05/2019	15:55:52	44.633	44.000	-1.418
7	28/05/2019	14:46:12	44.634	44.000	-1.421
8	28/05/2019	16:08:53	45.701	45.000	-1.533
9	28/05/2019	16:02:33	44.730	44.000	-1.632
10	28/05/2019	14:51:52	44.752	44.000	-1.681


This information is lodged as a data pack under the part number : 667/QF/55503/000


Calibration Equipment

Vbox Race Timer Serial no : 00036862

I confirm that the Safezone Average Speed Installation described above has been configured with the baseline distances specified in this certificate (as measured by the procedure specified in 667/HE/45141/000) in accordance with the Home Office Type Approval for the Safezone Average Speed System.

All parts and components used in the installation, including any replaced, are identical to those used in the device as Type Approved.

Signed by UZOR ACHUKORI 
 Date 21-JUNE-2019
 Job Title LEAD ENFORCEMENT SOLUTIONS ENGINEER

Signed by S. J. J. 
 Date 21-JUNE-2019
 Job Title ENGINEERING DIRECTOR

Siemens has exercised all reasonable skill, care and diligence in the production of the above declaration. Any results or recommendations given in this declaration are correct to the best of Siemens' knowledge at the time of preparing the report.

Collaboration Certificate

On the 28th May 2019 Uzor Achukoh, employee of Siemens plc drove ten times through the speed enforced links covered by the Siemens SafeZone cameras listed below;

Link	Engineer	Date
A338 S2Main to S3	Uzor Achukoh	28 th May 2019
A338 S2Slip to S3	Uzor Achukoh	28 th May 2019
A338 N1 to N2	Uzor Achukoh	28 th May 2019

The drives were conducted in vehicles containing VBox calibration equipment, to measure and log the average speed of the vehicle to test the accuracy of the enforcement cameras. These speeds were simultaneously recorded on an Evidence Retrieval Unit (ERCU) retrieving data from the cameras showing the date, time and average speed of each passage.

The speeds of the vehicle recorded by the calibration equipment and the ERCU were compared, and any difference calculated as a percentage. All were within accepted tolerance levels confirming the cameras speed measurement accuracy. This information, along with the serial number and calibration date of the equipment used is displayed on the relevant Link Validation Certificate.

We confirm that the SafeZone Average Speed Installations described above have been configured with the baseline distances specified in the Declaration of Baseline Distances and Site Geometry (as measured by the procedure specified in 667/HE/45141/000 in accordance with the Home Office Type Approval for the SafeZone Average Speed System.

All parts and components used in the installation, including any replaced are identical to those used in the device as Type Approved.

Signed by *uzor achukoh*

Date *29/05/2019*

Job Title Lead Enforcement Solutions Engineer

Siemens has exercised all reasonable skill, care and diligence in the production of the above declaration. Any results or recommendations given in this declaration are correct to the best of Siemens' knowledge at the time of preparing the report.