



Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358



ON-SITE CERTIFICATE #: OS2-00052705

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

ASSET #: PYT846003562

MANUFACTURER: MPH INDUSTRIES

DEPARTMENT: N/A

ENVIRONMENT: 20.3 °C/36.8 %RH

CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT846003562

MODEL NUMBER: PYTHON III

LOCATION: 17-P5

BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS

DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	077368	35 M.P.H.	2530 Hz
TUNING FORK TWO	077375	65 M.P.H.	4703 Hz

Antenna 1 SN: PYT855004680, Frequency: 24.187 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358



ON-SITE CERTIFICATE #: OS2-00052703

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

ASSET #: PYT546004242

MANUFACTURER: MPH

DEPARTMENT: N/A

ENVIRONMENT: 20.3 °C/36.8 %RH

CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546004242

MODEL NUMBER: PYTHON III

LOCATION: TRAFFIC

BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS

DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	978326	35 M.P.H.	2532 Hz
TUNING FORK TWO	978335	65 M.P.H.	4702 Hz

Antenna 1 SN: PYT315012002, Frequency: 24.162 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00052702

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

ASSET #: PYT546004243
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 20.3 °C/36.8 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546004243
MODEL NUMBER: PYTHON II
LOCATION: 15-P7
BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	307534	35 M.P.H.	2526 Hz
TUNING FORK TWO	307560	65 M.P.H.	4680 Hz

Antenna 1 SN: PYT315012003, Frequency: 24.152 GHz

Antenna 2 SN: PYT315018529, Frequency: 24.204 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00052701

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

SMD

ASSET #: PYT846003563

MANUFACTURER: MPH

DEPARTMENT: N/A

ENVIRONMENT: 20.3 °C/36.8 %RH

CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: PYT846003563

MODEL NUMBER: PYTHON III

LOCATION: 18-P6

BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS

DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	077371	35 M.P.H.	2526 Hz
TUNING FORK TWO	077383	65 M.P.H.	4692 Hz

Antenna 1 SN: PYT855004681, Frequency: 24.183 GHz

Antenna 2 SN: PYT811016245, Frequency: 24.189 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00052700

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

ASSET #: PYT846006198

MANUFACTURER: MPH

DEPARTMENT: N/A

ENVIRONMENT: 20.3 °C/36.8 %RH

CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT846006198

MODEL NUMBER: PYTHON III

LOCATION: 17-P8

BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS

DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	2302	35 M.P.H.	2520 Hz
TUNING FORK TWO	2196	65 M.P.H.	4688 Hz

Antenna 1 SN: PYT315013697, Frequency: 24.163 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358



ON-SITE CERTIFICATE #: OS2-00052699

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:		SPEED MEASURING DEVICE	
ASSET #:	BEE122205897	SERIAL NUMBER:	BEE122205897
MANUFACTURER:	MPH INDUSTRIES	MODEL NUMBER:	BEE III
DEPARTMENT:	N/A	LOCATION:	N/A
ENVIRONMENT:	20.3 °C/36.8 %RH	BASIC ACCURACY:	REFERENCE MFG SPECIFICATION
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	74338	20 M.P.H.	2026 Hz
TUNING FORK TWO	74159	50 M.P.H.	5056 Hz

Antenna 1 SN: BEN663052041, Frequency: 33.852 GHz

Antenna 2 SN: BEN663052042, Frequency: 33.822 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00052698

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:

SMD

ASSET #: PYT546005120
 MANUFACTURER: MPH
 DEPARTMENT: N/A
 ENVIRONMENT: 20.3 °C/36.8 %RH
 CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: PYT546005120
 MODEL NUMBER: PYTHON II
 LOCATION: 16-P4
 BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
 DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	857240	35 M.P.H.	2526 Hz
TUNING FORK TWO	071109	65 M.P.H.	4696 Hz

Antenna 1 SN: PYT315013698, Frequency: 24.155 GHz

Antenna 2 SN: PYT315018527, Frequency: 24.187 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY


 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA

CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00052697

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2017, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

DESCRIPTION:

SMD

ASSET #: DG007502
 MANUFACTURER: APPLIED CONCEPTS, INC.
 DEPARTMENT: N/A
 ENVIRONMENT: 20.3 °C/36.8 %RH
 CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: DG007502
 MODEL NUMBER: STALKER DUAL SL
 LOCATION: 25-P3
 BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
 DUE DATE: March 06, 2027

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	FA342885	25 M.P.H.	2618 Hz
TUNING FORK TWO	FB453598	40 M.P.H.	4170 Hz

Antenna 1 SN: KC278449, Frequency: 34.709 GHz

Antenna 2 SN: KC278458, Frequency: 34.741 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	03/27/2026
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	03/27/2026

PROCEDURE(S) USED FOR CERTIFICATION

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CP-SMD-001	RADAR AND LIDAR CALIBRATION PROCEDURE	NEW	11/14/2019

CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY 
 SENIOR METROLOGIST: JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 06, 2026



Cascade Engineering Services, Inc.

6640 185th Ave. NE, Redmond, WA 98052
1425.895.5677, 1425.702.3588



**CERTIFICATION CONCERNING DESIGN AND CONSTRUCTION OF
ELECTRONIC SPEED MEASURING DEVICES**

IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, John R. Gray, do certify under penalty of perjury, under the laws of the state of Washington as follows:

I am employed with Cascade Engineering Services, Inc. (CES) Metrology and Electronics Repair Services, as a Senior Metrology Technician. I have been employed in such a capacity since 2008. Part of my duties include calibration, maintenance and repair of all electronic doppler radar and laser speed measuring devices (SMD's) used by ELLENSBURG POLICE DEPARTMENT.

All SMD's currently used by ELLENSBURG POLICE DEPARTMENT are listed in Exhibit "A".

I maintain the following qualifications with respect to SMD(s): More than 14 years of commercial experience in electronic test and measurement calibration and repair. I have successfully completed training courses in Doppler Radar & Lidar theory. I have over two years of experience in the repair and calibration of Doppler and Lidar SMD's. I am experienced and competent in the principles and fundamental requirements of test equipment calibration.

The CES laboratory maintains manuals for all of the SMD's listed in Exhibit "A". I am personally familiar with those manuals and how each of the SMD's are designed and operated. On the date indicated in Exhibit "A" testing of the SMD's was performed using CES procedures under the direction of an authorized SMD expert. The results were evaluated and certified to meet or exceed existing performance standards and entered into the CES certification management database. CES laboratory maintains a testing and certification program that requires each SMD to be tested and certified for accuracy at least once every two years.

The CES laboratory tests all Doppler SMD's used by ELLENSBURG POLICE DEPARTMENT, as recommended by the manufacturer, as follows: The Vocar HR, handheld Radar certification system is used to simulate speeds at 5 mph increments from 20 mph to 140 mph to verify accuracy in stationary and moving mode. Measurements are taken of the SMD transmit frequency, antenna/receiver sensitivity and any accompanying tuning forks are also tested for accuracy. All other operational functions of the SMD system are then tested for proper performance.

The Laser SMD's transmit a series of highly focused light wave pulses each time the trigger is pulled and utilizes two laws of physics; time and distance. Since the speed of light is a known fixed value, the range of the target is determined by calculating how long it takes for the light pulses to travel to the target and back. This series of measurements allows the SMD to calculate the speed of the target using an algorithm which processes the range calculations into speed measurements. The displayed speed is accurate to within plus (+) or minus (-) one (1) mile per hour.

The CES laboratory tests all Laser / Lidar SMD(s) used by ELLENSBURG POLICE DEPARTMENT, as recommended by the manufacturer, as follows: The Laser Speed Measurement Simulator (LSMS) is utilized to simulate a moving target. This is accomplished by detecting the optical output pulses of the laser device and generating artificial return pulses. Different speed values and ranges are simulated by varying the time delays between the input pulses and the return pulses. The LSMS consists of a Digital Delay Generator (DDG), and an optical interface unit. The DDG produces precise time delays. The optical interface unit converts the optical energy of the laser instrument into electrical signals which are supplied to the DDG. The optical interface unit also converts the electrical signals received from the DDG into optical energy which is then transmitted to the Lidar. The Lidar's output power is tested using an Ophir Nova Display, with a PD300-SH power head.

On the date indicated in Exhibit "A", each SMD was tested by myself or a trained technician listed therein and under my direction. All Technicians listed on Exhibit "A" received training in the proper use and operation of SMD test equipment and performance testing procedures used to test Laser and Doppler SMDs. After successfully completing training the technician is certified by myself and receives authorization allowing them to enter the results from the tests into the certificate management database. Individual Performance and Certification tests are entered into the certificate management database under the penalty of perjury by entering an authorized user id and password to authenticate it.

This agency, ELLENSBURG POLICE DEPARTMENT currently utilizes the following Doppler SMD(s):

APPLIED CONCEPTS, INC. manufacturer's the following SMD(s):

I.D./Serial Number	Model Number	Antenna 1 S/N	Antenna 2 S/N	T.F. 1 S/N	T.F. 2 S/N	Cal. Date	Cal. Interval	Due Date	Technician
DG007502	STALKER DUAL SL	KC278449	KC278458	FA342885	FB453598	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV

MPH manufacturer's the following SMD(s):

I.D./Serial Number	Model Number	Antenna 1 S/N	Antenna 2 S/N	T.F. 1 S/N	T.F. 2 S/N	Cal. Date	Cal. Interval	Due Date	Technician
PYT546005120	PYTHON II	PYT315013698	PYT315018527	857240	071109	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV
PYT546004243	PYTHON II	PYT315012003	PYT315018529	307534	307560	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV
PYT846003563	PYTHON III	PYT855004681	PYT811016245	077371	077383	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV
PYT846006198	PYTHON III	PYT315013697	N/A	2302	2196	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV
PYT546004242	PYTHON III	PYT315012002	N/A	978326	978335	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV

MPH INDUSTRIES manufacturer's the following SMD(s):

I.D./Serial Number	Model Number	Antenna 1 S/N	Antenna 2 S/N	T.F. 1 S/N	T.F. 2 S/N	Cal. Date	Cal. Interval	Due Date	Technician
BEE122205897	BEE III	BEN663052041	BEN663052042	74338	74159	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV
PYT846003562	PYTHON III	PYT855004680	N/A	077368	077375	03/06/2026	12 MONTHS	03/06/2027	JOHN R GRAY IV

Based upon my education, training, and experience and my knowledge of the SMD's listed above, it is my opinion that each of these electronic pieces of equipment is so designed and constructed as to accurately employ the Doppler effect in such a manner, that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by a trained operator, or, in the case of the laser SMDs, each of these pieces of equipment is so designed and constructed as to accurately employ measurement techniques based on the velocity of light in such a manner that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by a trained operator.

Exhibit "A" derives information from the certificate management database. See Exhibit "A" for details about individual SMD certifications.

**State of Washington
County of King**

Signed or attested before me on

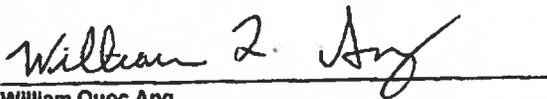
03.10.26

by John R. Gray

I have satisfactory evidence that the person described in this document:
(a) is personally known to me; OR (b) is identified upon oath or affirmation of credible witness personally know to me; OR (c) is identified on the basis of identification documents.



Certified by: John R. Gray
Place: Redmond, WA



William Quoc Ang

Notary Public in and for the State of Washington,
Residing in Seattle, WA
My appointment expires January 29, 2026





Cascade Engineering Services, Inc.



ONSITE DAILY SUMMARY LIST

ONSITE DATE: Friday, March 06, 2026

ELLENSBURG PD

CURRENT PO:

Asset / ID Number	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DEPARTMENT	RESU
BEE122205897	MPH INDUSTRIES	BEE III	SPEED MEASURING DEVICE	N/A	PAS!
DG007502	APPLIED CONCEPTS, INC.	STALKER DUAL SL	SMD	N/A	PAS!
PYT546004242	MPH	PYTHON III	SMD	N/A	PAS!
PYT546004243	MPH	PYTHON II	SMD	N/A	PAS!
PYT546005120	MPH	PYTHON II	SMD	N/A	PAS!
PYT846003582	MPH INDUSTRIES	PYTHON III	SMD	N/A	PAS!
PYT846003583	MPH	PYTHON III	SMD	N/A	PAS!
PYT846006198	MPH	PYTHON III	SMD	N/A	PAS!

Number Processed: 8

Customer Signature: _____

Date: _____