IRLJ 6.6 Exhibit "A" Cover Letter

To: District Courts

See date in footer for document date.

Cc: Court Clerks, Prosecutors, Public Disclosure Officers, Etc.

From: Steen Nicholson, Anthony Hillock

RE: SMD IRLJ 6.6 (b) "**Exhibit A**" Radar and Lidar Certifications

1. For courts that would like to keep a hard copy on file with **all the WSP SMDs** listed we have included "Exhibit A". "Exhibit A" derives information from the WSP SMD-CM data base. See Exhibit A for details about individual SMD certifications **as of the date printed in the footer**. The most complete and current information can be found at: http://www.wsp.wa.gov/traveler/smdhome.htm

2. For discovery requests you may provide the address to the website where such evidence is accessible to the defendant. We recommend providing the following website address with instructions.

The Washington State Patrol has developed an on-line storage location for our IRLJ 6.6 speed measuring device: design and construction certifications.
Individual SMD records are maintained by the WSP as a public record on the WSP website: http://www.wsp.wa.gov/.
The following is the procedure to obtain an **individual SMD certificate** once on the website.

1. Go to the **Driver & Vehicle** tab. Under **Quick Links** go to **SMD Certifications**.
2. Click on "**Search for a Speed Measuring Device Here**".
3. Enter the **Tag number** of the SMD include the "**L----**" or "**R----**" prefix in the search.
4. This will bring you to the **SMD Device Details** and **Certification History**.
5. In the **Certification History** area select **View Certificate** for the certification date you are interested in. (Your date of violation will fall between the certification date and the expiration date of the SMD) You will be able to view and print an **IRLJ 6.6 Certification** with **Attachment "A"** in PDF format.
6. Also in the **Certification History** area there may be a **Display Maintenance Archive**. This is the original maintenance record for older units that have been archived in PDF format. Click on **Display Maintenance Archive** to view/print the archive record.

Questions about this on-line format and procedure can be directed to:

Steen Nicholson
Electronic Design Engineer SMD
321 Cleveland Ave. SE, Suite A
Tumwater, WA 98501-334
(360) 239-7428 - Cell
(360) 705-5783 – Fax

Anthony Hillock
Electronic Design Engineer SMD
2822 Euclid Ave.
Wenatchee, WA. 98801-5916
(509) 682-8185 office
(509) 264-8798 mobile

CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION
OF ELECTRONIC SPEED MEASURING DEVICES
OR LASER SPEED MEASURING DEVICES
See: IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, **Steen Nicholson**, do certify under penalty of perjury under the laws of the State of Washington that the following is true and correct:

I am employed with **Washington State Patrol** as an Electronic Design Engineer, Speed Measuring Device (SMD) Expert, and assigned as co-custodian of the SMD records. I have been employed in such a capacity since September 2007. Part of my duties include, supervising the maintenance and repair of all types of electronic and laser SMDs used by the Washington State Patrol.

The Washington State Patrol currently uses the following types of SMDs:
(See the incorporated document which follows for specific details on individual SMDs listed by TAG number)

Type	Manufacture	Model
Radar	Kustom Signals	Eagle 95, Falcon, Pro-1000 DS, Trooper
Radar	Decatur Electronics	Genesis I, Genesis II, GHS, VPD
Radar	Applied Concepts	Stalker DSR, DSR II
Radar	MPH Industries	BEE III
Lidar	Kustom Signals	PRO Laser II, III, IV
Lidar	Laser Technologies Inc.	LTI 20-20, UltraLyteLR, TruSpeed, TruSpeed S

{All models used by the Washington State Patrol are on the Conforming Products List issued by the IACP and are tested to standards specified by NHTSA.)

I possess the following qualifications with respect to the above stated SMDs:

I have completed the Washington State Patrol Speed Measuring Course for Radar and Lidar at the Washington State Patrol Training Division, Shelton Washington. Completed the requirements for Kustom Signals Certification in Doppler Traffic Radar and Traffic Lidar Instruction and Stalker Radar Instructor by Applied Concepts. My formal education is Associate Arts and Science and Electronic Engineering Technology Degree from Pierce College, Lakewood Washington. My military experience was a technician in the maintenance, repair, modification, and calibration of Pulse Search Radar and five years experience as a Quality Assurance Inspector on Pulse Search Radar. I hold an FCC General Radiotelephone Operator License (General Radiotelephone Certificate).

The Washington State Patrol maintains manuals for all of the above stated SMDs. I am personally familiar with these manuals and how each of the SMDs are designed and operated. On the date indicated on Exhibit A, each SMD was tested using WSP procedures under the direction of one of the two authorized WSP SMD experts. The units were evaluated and certified by one of the experts to meet or exceed existing performance standards and entered into the WSP SMD-Certification Management data base.

The Washington State Patrol maintains a testing and certification program that requires each SMD to be tested and certified for accuracy at least once every two years.

Radar SMDs utilize the Doppler effect to measure speed. Testing consists of transmitting selected frequencies from a precision signal generator to simulate various speeds. The SMD must indicate the correct speed ± 1MPH in the stationary mode and ± 2MPH in the moving mode (where applicable).
The transmit center frequency for the radar unit is verified using appropriate test equipment to be within ± 100Mhz of specification.
Tuning forks, used by the operators to perform daily checks, are certified to ensure their accuracy to ± 0.5 percent as specified by the manufacturer.
All performance tests are verified.

Lidar SMDs measure speed based on the velocity of light and a precision time base reference. The certification checks are Head Up Display aiming reticle checks, internal self-test, fixed distance check, delta distance check, reference oscillator check. An operational test is done by comparing the lidar to a certified radar SMD.

Based upon my education, training, experience, and knowledge of the SMDs listed above, it is my opinion that each of these pieces of equipment is so designed and constructed such that when properly calibrated, and operated by a trained operator, it will give accurate measurements of the speed of motor vehicles.

Individual Performance Tests and Certification of the tests are entered into the SMD-CM data base in the regular course of business under the penalty of perjury by entering an authorized user id and password to authenticate it.

For the most complete and current information go to: http://www.wsp.wa.gov/traveler/smdhome.htm

See "Exhibit A" for Courts for a complete listing of all SMD certifications as of the date printed in the footer. "Exhibit A" derives information from the SMD-CM data base.

See "Attachment A" for individual SMD certifications by selecting the "Search for SMD here" tab and entering the Tag number of the SMD. "Attachment A" derives information from the SMD-CM data base.

This certificate describes the WSP Speed Measuring Device program. See date in footer for document date. See Exhibit A to locate certification dates for individual SMDs.

4/23/13 Tumwater WA. Steen Nicholson

Date and Place — Steen Nicholson, Electronic SMD Engineer

CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION
OF ELECTRONIC SPEED MEASURING DEVICES
OR LASER SPEED MEASURING DEVICES
See: IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, **Anthony Hillock**, do certify under penalty of perjury under the laws of the State of Washington that the following is true and correct:

I am employed with **Washington State Patrol** as an Electronic Design Engineer, Speed Measuring Device (SMD) Expert, and assigned as co-custodian of the SMD records. I have been employed in such a capacity since January 2010. Part of my duties include, supervising the maintenance and repair of all types of electronic and laser SMDs used by the Washington State Patrol.

The Washington State Patrol currently uses the following types of SMDs:
(See the incorporated document which follows for specific details on individual SMDs listed by TAG number)

Type	Manufacture	Model
Radar	Kustom Signals	Eagle 95, Falcon, Pro-1000 DS, Trooper
Radar	Decatur Electronics	Genesis I, Genesis II, GHS, VPD
Radar	Applied Concepts	Stalker DSR, DSR II
Radar	MPH Industries	BEE III
Lidar	Kustom Signals	PRO Laser II, III, IV
Lidar	Laser Technologies Inc.	LTI 20-20, UltraLyteLR, TruSpeed, TruSpeed S

{All models used by the Washington State Patrol are on the Conforming Products List issued by the IACP and are tested to standards specified by NHTSA.)

I possess the following qualifications with respect to the above stated SMDs:

Five and one-half years military experience as a precision measurement equipment specialist. Ten and one-half years experience with McDonnell Douglas calibrating and repairing test measurement and diagnostic equipment including aircraft radar test equipment and police SMDs. Five years as a Metrologist with Verizon working on electronic test equipment including SMDs. Eight years as a Senior System Technician with Day Wireless working with SMDs for counties and cities in the Northwest. I have successfully completed a course in repair and service of doppler radar and Pro-Laser lidar systems by Kustom Signals, doppler radar SMDs by MPH Industries, Stalker Radar Instructor by Applied Concepts and Laser Speed Detection Systems, by Laser Technologies Inc. I have completed the WSP Speed Measuring Course for Radar and Lidar at the Washington State Patrol Training Division, Shelton Washington. I hold an FCC General Radiotelephone Operator License (GROL).

The Washington State Patrol maintains manuals for all of the above stated SMDs. I am personally familiar with these manuals and how each of the SMDs are designed and operated. On the date indicated on Exhibit A, each SMD was tested using WSP procedures under the direction of one of the two authorized WSP SMD experts. The units were evaluated and certified by one of the experts to meet or exceed existing performance standards and entered into the WSP SMD-Certification Management data base.

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This certificate describes the WSP Speed Measuring Device program. See date in footer for document date. See Exhibit A to locate certification dates for individual SMDs.

4-23-2013 Wenatchee, WA. Anthony F. Hillock

Date and Place

Anthony Hillock, Electronic SMD Engineer

EXHIBIT "A"

Standard Test Equipment

TAG NO.	MANUFACTURER	MODEL	SERIAL NUMBER	FORK 1	FORK 2	PRE CAL DATE	CAL DATE	CO
S001	DB INNOVATIONS	VOCAR	VHR0706116			12/20/2011	12/06/2012	MFG
S002	DECATUR ELECTRONICS	VPD	00536	81093	80196	06/29/2010	07/26/2012	AFH
S003	DB INNOVATIONS	VOCAR	VHR0706105			02/12/2013	03/05/2013	MFG
S004	DECATUR ELECTRONICS	VPD	03530	138499	138343	02/11/2010	12/14/2011	AFH
S005	DB INNOVATIONS	VOCAR	VHR0706121			01/26/2012	01/31/2013	MFG
S006	DECATUR ELECTRONICS	GHS	GHS5144	70489		09/18/2009	10/05/2011	AFH
S007	DB INNOVATIONS	VOCAR	VHR0912111			11/29/2011	02/06/2013	MFG
S008	KUSTOM ELECTRONICS	FALCON	FF3182	14234		05/17/2010	10/29/2012	SRN
S009	DB INNOVATIONS	VOCAR	VHR092106			04/04/2011	04/18/2012	MFG
S010	KUSTOM ELECTRONICS	FALCON	FF4304	13305		09/23/2009	07/20/2011	SRN
S011	DB INNOVATIONS	VOCAR	VHR1004101			04/11/2011	05/07/2012	MFG
S012	KUSTOM ELECTRONICS	FALCON	FF4328	13306		09/25/2009	01/30/2012	SRN
S013	DB INNOVATIONS	VOCAR	VHR0912115			04/28/2011	05/15/2012	MFG
S014	KUSTOM ELECTRONICS	FALCON	FF5178	16516		09/25/2009	10/29/2012	SRN
S015	DB INNOVATIONS	VOCAR	VHR1004102			04/07/2011	04/18/2012	MFG
S016	KUSTOM ELECTRONICS	FALCON	FF5158	14293		09/23/2009	07/26/2011	AFH
S017	DB INNOVATIONS	VOCAR	VHR1004106			03/28/2011	04/18/2012	MFG
S018	KUSTOM ELECTRONICS	FALCON	FF12654	25148		09/25/2009	06/13/2012	AFH
S019	DB INNOVATIONS	VOCAR	VHR1004105			04/06/2011	05/30/2012	MFG
S020	KUSTOM ELECTRONICS	FALCON	FF12049	24314		09/25/2009	11/10/2011	SRN
S023	STARRETT	TAPE	10380424				09/23/2010	MFG
S024	STARRETT	TAPE	10380425				09/23/2010	MFG