



**OREGON DEPARTMENT
OF TRANSPORTATION**
Traffic Engineering Operations Section
355 Capitol St. NE
Salem, OR 97301
503-986-3568

RED SHEETS

Revised 11-17-05

Pursuant to **ORS 479.540** and **OAR 918-261-0037** the following “qualified products list” now known as the “RED SHEETS” was created. The related **ORS** and **OAR** are listed at the end of this document. This list **IS NOT** used for construction qualification or approval of products during construction, but as a statewide list of certification exempt traffic management systems components used by the Oregon Department of Transportation (ODOT), Oregon Cities, Oregon Counties, and other applicable public agencies. The exemption from certification removes the UL or NRTL certification requirements of RED SHEET listed items used in traffic management systems.

Oregon Cities, Counties, and/or manufacturers seeking listing in the RED SHEETS shall submit product specifications and functional samples to ODOT for consideration. Contact the ODOT Traffic Signal Engineer at 503-986-3596 for more information on the process, any questions about the RED SHEETS in general, their use, or the items listed.

Each agency will be given a code associated with their listed products. Once yearly each agency is required to review their listed items and verify they should remain listed or be removed. Non responsive agencies will have all their listed products removed. The current version of the RED SHEETS can be found at <http://egov.oregon.gov/ODOT/HWY/TRAFFIC/Signals.shtml>

Agency Code

ODOT
COP

Agency

Oregon Department of Transportation
City of Portland

CONTROLLER CABINET

<u>BRAND / MANUFACTURER</u>	<u>MODEL</u>	<u>PART#</u>	<u>CODE</u>
1. IDC	332		ODOT
2. Safetran	332		ODOT
3. Safetran	334		ODOT
4. Safetran	337		COP
5. McCain	332A	M11470	ODOT
6. McCain	334	M11476	ODOT
7. McCain	336A	M11487	ODOT
8. McCain	336S	M11498	ODOT
9. McCain	337	M30730	COP
10. PSI	332		ODOT

CONTROLLER

<u>BRAND / MANUFACTURER</u>	<u>MODEL</u>	<u>CODE</u>
1. Safetran	170E, 170E/HC11	ODOT
2. PSI	170E	ODOT
3. McCain	170E, 170E/HC11	ODOT
4. IDC/Topping	170E	ODOT

CONFLICT MONITOR

<u>BRAND / MANUFACTURER</u>	<u>MODEL</u>	<u>CODE</u>
1. EDI	210C	ODOT
2. PSI	210A	ODOT
3. IDC/SSD	210	ODOT
4. McCain	208	ODOT
5. Safetran	208	ODOT

LOAD SWITCH

<u>BRAND / MANUFACTURER</u>	<u>MODEL</u>	<u>CODE</u>
1. TSC	200, 300	ODOT
2. GDI	LS200	ODOT
3. PDC	SSS-88, SSS-87, SSS-83	ODOT
4. IDC/SSD	200	ODOT
5. EDI	200	ODOT

FLASHER

BRAND / MANUFACTURER

1. TSC
2. PDC
3. EDI

MODEL

204
SSF-88, SSF-86
204

CODE

ODOT
ODOT
ODOT

DETECTOR AMPLIFIER

BRAND / MANUFACTURER

1. Sarasota
2. IDC/DSI
3. EDI
4. Reno A&E
5. Canoga (3M)

MODEL

222, GP7
222
LM602, LM222
222, Model C
C822

CODE

ODOT
ODOT
ODOT
ODOT
ODOT

ISOLATOR (DC and AC)

BRAND / MANUFACTURER

1. TSC
2. GDI
3. PDC

MODEL

242, 252
242, 252
DCI-82, ACI-81, ACI-88

CODE

ODOT
ODOT
ODOT

MODEM

BRAND / MANUFACTURER

1. GDI
2. US Robotics (external modem)

MODEL

400, 496, 2400
5686E

CODE

ODOT
ODOT

RELAY (FTR) Generic Model 430

BRAND / MANUFACTURER

1. Midtex
2. PDC
3. Magnecraft

MODEL

Type 136
FTR-91
W21ACPX-2

CODE

ODOT
ODOT
ODOT

PREEMPTION INTERFACE (Cabinet)

BRAND / MANUFACTURER

1. 3M Opticom
2. 3M Opticom
3. Tomar Strobecom II

MODEL

752
754
2140

CODE

ODOT
COP
ODOT

PREEMPTION DETECTOR (Field)

BRAND / MANUFACTURER

1. 3M Opticom
2. Tomar Strobecom II

MODEL

711, 721, 722
2090

CODE

ODOT
ODOT

PROM MODULE

BRAND / MANUFACTURER

1. McCain
2. Safetran
3. PSI

MODEL

412F, 412C
412B2, 412C
412W, 412C

CODE

ODOT
ODOT
ODOT

VIDEO DETECTION DEVICE

BRAND / MANUFACTURER

1. Traficon
2. Iteris
3. Econolite
4. Peek traffic

MODEL

VIP3.x
Vantage Edge
SOLO
Video Trak

CODE

ODOT
ODOT
ODOT
ODOT

AUDIBLE PEDESTRIAN SIGNAL

BRAND / MANUFACTURER

1. Novax
2. Polara – Navigator APS
3. Campbell Company

MODEL

DS-2000 w/BAT
N5X7BNO-B
IQ-HVT

CODE

ODOT
ODOT
ODOT

Oregon Administrative Rules

918-261-0037

Exemption for Traffic Management Systems

An exemption from certification is created under ORS 479.540 for traffic management systems approved by Oregon Department of Transportation (ODOT) and maintained on their qualified products list. This exemption does not apply to message boards nor does it remove the requirements of licensing, permitting and inspection for the installation of these products.

Stat. Auth.: ORS 479.540

Stats. Implemented: ORS 479.540

Hist.: BCD 4-2004, f. 3-31-04, cert. ef. 4-1-04

Oregon Revised Statutes

Chapter 479 — Protection of Buildings from Fire; Electrical Safety Law

479.540 Exemptions; rules. (1) Except as otherwise provided in this subsection, a person is not required to obtain a license to make an electrical installation on residential or farm property that is owned by the person or a member of the person's immediate family if the property is not intended for sale, exchange, lease or rent. The following apply to the exemption established in this subsection:

(a) The exemption established for a person under this subsection does not exempt the work performed by the person from having to comply with the requirements for such work under ORS chapter 455 or this chapter and rules adopted thereunder.

(b) If the property is a building used as a residence and is for rent, lease, sale or exchange, this subsection establishes an exemption for work on, alterations to or replacement of parts of electrical installations as necessary for maintenance of the existing electrical installations on that property, but does not exempt new electrical installations or substantial alterations to existing electrical installations on that property. As used in this paragraph, "new electrical installations or substantial alterations" does not include the replacement of an existing garbage disposal, dishwasher or electric hot water heater with a similar appliance of 30 amps or less, single phase, by a landlord, landlord's agent or the employee of the landlord or landlord's agent.

(2) An electrical contractor license is not required in connection with an electrical installation:

(a) Of meters and similar devices for measuring electricity by a person principally engaged in the business of generating or selling electricity in connection with the construction or maintenance of electrical lines, wires or equipment.

(b) Of ignition or lighting systems for motor vehicles.

(c) To be made by a person on the person's property in connection with the person's business.

(d) To be made by a public utility, consumer-owned utility as defined in ORS 757.270, telecommunications carrier as defined in ORS 133.721, competitive telecommunications provider as defined in ORS 759.005 or municipality for generation, transmission or distribution of electricity on property that the utility, carrier, provider or municipality owns or manages.

(3) A person whose sole business is generating or selling electricity in connection with the construction or maintenance of electrical lines, wires or equipment, is not required to obtain a license to transform, transmit or distribute electricity from its source to the service head of the premises to be supplied thereby.

(4)(a) A person is not required to obtain a license for the repair or replacement of light fixtures, light switches, lighting ballast, electrical outlets or smoke alarms in a building used for housing purposes that is owned, leased, managed or operated by a housing authority and the person doing the repair or replacement is a member of the housing authority's regular maintenance staff.

(b) A license is not required for:

(A) Temporary demonstrations;

(B) A street lighting system located on a public street or in a right of way if the system is similar to a system provided by a public utility and the installation or maintenance, or both, is performed by a qualified employee of a licensed electrical contractor principally engaged in the business of installing and maintaining such systems; or

(C) An outdoor transmission or distribution system, whether overhead or underground, if the system is similar to a system provided by a public utility and the installation or maintenance, or both, is performed by a qualified employee of a licensed electrical contractor principally engaged in the business of installing and maintaining such systems.

(c) For the purposes of this subsection, "qualified employee" means an employee who has registered with or graduated from a State of Oregon or federally approved apprenticeship course designed for the work being performed. The supervising electrician signature required under ORS 479.560 (1)(b) does not apply to contractors working under this subsection.

(5) The provisions of ORS 479.510 to 479.945 and 479.995 do not apply:

(a) To electrical products owned by, supplied to or to be supplied to a public utility as defined in ORS 757.005, consumer-owned utility as defined in ORS 757.270, telecommunications carrier as defined in ORS 133.721 or competitive telecommunications provider as defined in ORS 759.005;

(b) To electrical installations made by or for a public utility, consumer-owned utility, telecommunications carrier or competitive telecommunications provider if the electrical installations are an integral part of the equipment or electrical products of the utility, carrier or provider; or

(c) To any electrical generation plant owned or operated by a municipality to the same extent that a utility, telecommunications carrier or competitive telecommunications provider is exempted under paragraphs (a) and (b) of this subsection.

(6) A permit is not required:

(a) For the repair or replacement of light fixtures, light switches, lighting ballast, electrical outlets or smoke alarms in a building used for housing purposes that is owned, leased, managed or operated by a housing authority; or

(b) For the repair, alteration or replacement of existing electrical products or electrical installations authorized by ORS 479.560 (3) at an industrial plant, a commercial office building, a building that is owned, leased, managed or operated by the state or a local government entity or other facilities designated by the Electrical and Elevator Board when the owner, operating manager or electrical contractor of the facility meets the provisions of ORS 479.630 (1) and (2) and:

(A) Obtains a master permit for inspection under ORS 479.560 (3); or

(B) Obtains a master individual inspection permit under ORS 479.565.

(7) In cases of emergency in industrial plants, a permit is not required in advance for electrical installation made by a person licensed as a general supervising electrician, a general journeyman electrician or an electrical apprentice under ORS 479.630 if an application accompanied by appropriate fee for a permit is submitted to the Department of Consumer and Business Services within five days after the commencement of such electrical work.

(8)(a) A license or permit is not required for the installation or assembly of industrial electrical equipment by the duly authorized agents of the factory, vendor or owner.

(b) The license and permit exemptions of this subsection do not apply to activity in an area where industrial electrical equipment is installed in or enters a hazardous location or penetrates or enters a fire rated assembly or plenum rated assembly.

(c) As used in this subsection:

(A) "Duly authorized agents" means individuals trained by the factory or a vendor or by experience and who are knowledgeable in the operation, maintenance, repair and installation of industrial electrical equipment.

(B) "Installation or assembly" means the reassembly at a job site of equipment that is wired and assembled at the factory and then disassembled for shipping purposes or of existing equipment that is relocated. "Installation or assembly" does not include work involving field fabricated assemblies or any other electrical product that is not an original part of the industrial electrical equipment. "Installation or assembly" does not include the connection of industrial electrical equipment to a power source.

(9) A person is not required to obtain a license or permit to set in place and connect a certified electrical product as long as the work performed is not an electrical installation as defined in ORS 479.530.

(10) The provisions of ORS 479.510 to 479.945 and 479.995 do not apply to:

(a) Electrical installations and repairs involving communication and signal systems of railroad companies.

(b) Electrical installations and repairs involving remote and permanent broadcast systems of radio and television stations licensed by the Federal Communications Commission if the systems are not part of the building's permanent wiring.

(c) The installing, maintaining, repairing or replacement of telecommunications systems on the provider side of the demarcation point by a telecommunications service provider.

(d) The maintaining, repairing or replacement of telecommunications equipment on the customer side of the demarcation point by a telecommunications service provider.

(e) Installations, by a telecommunications service provider or an appropriately licensed electrical contractor, of telecommunications systems on the customer side of the demarcation point except:

(A) Installations involving more than 10 telecommunications outlets; and

(B) Installations of any size that penetrate fire-resistive construction or air handling systems or that pass through hazardous locations.

(f) Notwithstanding paragraph (e) of this subsection, installation of telecommunications systems on the customer side of the demarcation point in:

(A) One and two family dwellings; and

(B) Multifamily dwellings having not more than four dwelling units if the installation is by a telecommunications service provider.

(g) Notwithstanding paragraph (e) of this subsection, installation or replacement of cord or plug connected telecommunications equipment on the customer side of the demarcation point.

(h) Notwithstanding paragraph (e) of this subsection, installation of patch cord and jumper cross-connected equipment on the customer side of the demarcation point.

(11)(a) The board may grant partial or complete exemptions by rule for any electrical product from any of the provisions of ORS 455.610 to 455.630 or 479.510 to 479.945 and 479.995 if the board determines that the electrical product does not present a danger to the health and safety of the people of this state.

(b) If the board grants an exemption pursuant to subsection (1) of this section, the board may determine that the product may be installed by a person not licensed under ORS 479.510 to 479.945.

(12) ORS 479.760 does not apply to products described in this subsection that comply with the electrical product safety standards established by concurrence of the board and the Director of the Department of Consumer and Business Services as described under ORS 479.730. This subsection does not exempt any products used in locations determined to be hazardous in the electrical code of this state. The following apply to this subsection:

(a) Except as provided in paragraph (b) of this subsection, the exemption under this subsection applies to:

(A) The rotating equipment portion of power generation equipment.

(B) Testing equipment used in a laboratory or hospital.

(C) Commercial electrical air conditioning equipment.

(D) Prefabricated work performed by an electrical contractor with licensed electrical personnel in the contractor's place of business for assembly on the job site if the work is composed of parts that meet the electrical product safety standards established by concurrence of the board and the director.

(b) Notwithstanding paragraph (a) of this subsection, the board may require any of the products described in paragraph (a) of this subsection to be subject to the certification requirements under ORS 479.760 if the board determines that the product or class of products has presented a fire or life safety hazard in use. A determination under this paragraph shall be effective as to any such product or class of products sold or offered for sale after the date of the determination becomes final. The board may reinstate any exemption removed under this paragraph if the board determines that the reasons for the removal of the exemption have been corrected.

(13)(a) ORS 479.610 does not apply to industrial electrical equipment unless the board determines that the product or class of products may present a fire or life safety hazard.

(b) The board may reinstate an exemption removed under this subsection if the product qualifies for reinstatement under:

(A) An equipment safety program approved by the board;

(B) Equipment minimum safety standards established by concurrence of the board and the director;

(C) An evaluation by an approved field evaluation firm;

(D) A listing from a nationally recognized testing laboratory;

(E) An evaluation of a first model of a product by the board; or

(F) Any other method approved by the board.

(14) ORS 479.760 does not apply to electrical equipment that has been in use for one year or more and that is offered for sale.

(15) A person who holds a limited maintenance specialty contractor license or a limited pump installation specialty contractor license issued under ORS 479.510 to 479.945 or a person who is the employee of such license holder and who is listed with the board as an employee is not required to have a journeyman license or supervising electrician's license to perform work authorized under the person's license.

(16) A person is not required to obtain a permit for work on, alterations to or replacement of parts of electrical installations as necessary for maintenance of existing electrical installations on residential property owned by the person or by a member of the person's immediate family. This subsection does not establish an exemption for new electrical installations or substantial alterations to existing electrical installations.

(17) A permit is not required for those minor electrical installations for which the board has authorized an installation label.

(18) A residential home, as defined in ORS 443.580, and an adult foster home, as defined in ORS 443.705, is not a multifamily dwelling and only electrical installation standards and safety requirements applicable to single family dwellings apply to such homes.

(19) The permit requirements of ORS 479.550 and the license requirements of ORS 479.620 do not apply to cable television installations.

(20) The provisions of any electrical products code or rule adopted pursuant to ORS 479.510 to 479.945 and 479.995 apply to cable and such products installed as part of a cable television installation.

(21) As used in this section, "smoke alarm" shall have the meaning given that term under ORS 479.250. [1959 c.406 §4; 1973 c.834 §36; 1977 c.633 §1; 1981 c.815 §5; 1987 c.575 §5; 1987 c.447 §107; 1989 c.481 §1; 1991 c.251 §1; 1991 c.334 §1; 1993 c.451 §1; 1993 c.497 §1; 1993 c.744 §119; 1995 c.553 §3; 1995 c.797 §1; 1997 c.611 §§1,2; 1999 c.307 §23; 1999 c.794 §3; 1999 c.1093 §17; 2001 c.709 §1; 2003 c.14 §321; 2003 c.222 §2; 2003 c.299 §3; 2003 c.344 §1; 2003 c.675 §§65,66a]