

TITLE 205 INDIANA CRIMINAL JUSTICE INSTITUTE

ARTICLE 1. SLOW MOVING VEHICLE EMBLEM

Rule 1. Purpose

205 IAC 1-1-1 Purpose of standard

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. The purpose of this standard is to establish specifications which define a unique identification emblem for use on slow-moving vehicles when operated or transported on public roads. (*Indiana Criminal Justice Institute; Rule 1.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 359; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-1-1) to the Indiana Criminal Justice Institute (205 IAC 1-1-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 2. Scope

205 IAC 1-2-1 Scope of standard

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. This standard establishes emblem dimensional specifications, performance requirements, and related test procedures. (*Indiana Criminal Justice Institute; Rule 2.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 359; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-2-1) to the Indiana Criminal Justice Institute (205 IAC 1-2-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 3. Definition

205 IAC 1-3-1 Display of emblem required

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. When any vehicle, whether pulled, towed, self-propelled or animal-drawn, which is not under ordinary circumstances moved, operated or driven at a speed in excess of twenty-five (25) miles per hour, is moved, operated or driven on any public highway which is open for vehicular travel, it shall display a triangular slow moving vehicle emblem. (*Indiana Criminal Justice Institute; Rule 3.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 359; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-3-1) to the Indiana Criminal Justice Institute (205 IAC 1-3-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 4. Description

205 IAC 1-4-1 Description of emblem; shape, color and purpose

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. The identification emblem (Fig. 1) consists of a fluorescent yellow-orange triangle with a dark, red reflective border. The yellow-orange fluorescent triangle is for daylight identification. The reflective border defines the shape of the fluorescent color

in daylight and becomes a hollow red triangle in the path of motor vehicle headlights at night. (*Indiana Criminal Justice Institute; Rule 4.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 359; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-4-1) to the Indiana Criminal Justice Institute (205 IAC 1-4-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 5. Performance Requirements

205 IAC 1-5-1 Visibility requirements

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. Visibility. The emblem shall be entirely visible in daylight and at night from all distances between 600 ft. and 100 ft. (182.88 meters to 30.48 meters) from the rear when directly in front of lawful upper beam of headlamps. (*Indiana Criminal Justice Institute; Rule 5.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 359; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-5-1) to the Indiana Criminal Justice Institute (205 IAC 1-5-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-5-2 Dimensional requirements

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 2. Dimensional requirements. The size shall be as shown in Fig. 1.

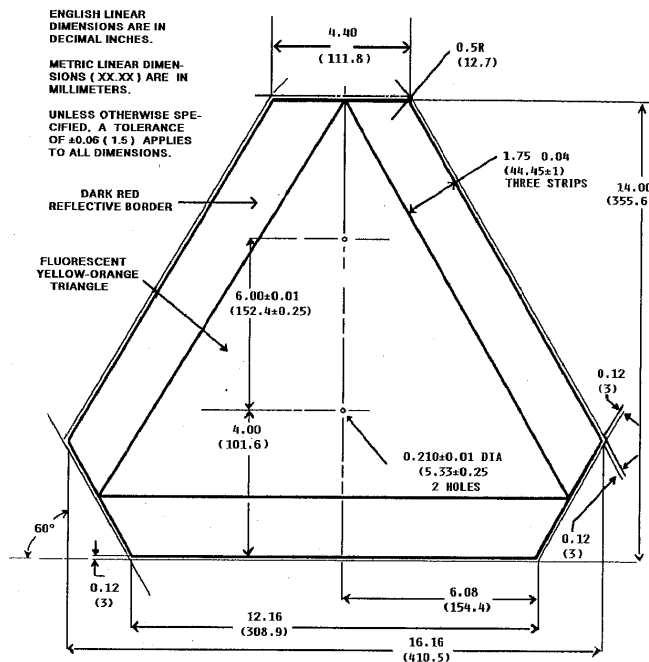


Fig. 1 Identification Emblem

(*Indiana Criminal Justice Institute; Rule 5.2; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 360; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-5-2) to the Indiana Criminal Justice Institute (205 IAC 1-5-2) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-5-3 Color and reflectivity requirements

Authority: IC 9-21-9-5
 Affected: IC 9-21-9

Sec. 3. Color and reflectivity.

(1) The spectrophotometric color values of the yellow-orange fluorescent material shall have a dominant wave length of 590-610 millimicrons and a purity of 98 percent before test. After Durability Test, paragraph 6.2, the dominant wave length of the fluorescent material shall not change more than 10 percent.

(2) The reflective material shall have minimum intensity values of each of the angles listed per Table 1. After Durability Test, paragraph 6.2, the minimum reflective intensity values for the reflective material shall not change more than 20 percent from the values specified in Table 1.

TABLE 1—MINIMUM REFLECTIVE INTENSITY VALUES, R*

| Divergence Angle, deg | Incidence Angle, deg | Reflective Intensity, R |
|-----------------------|----------------------|-------------------------|
| 0.2 | 0 | 10 |
| 0.2 | 15 | 7 |
| 0.2 | 30 | 5 |
| 0.5 | 0 | 5 |
| 0.5 | 15 | 4 |
| 0.5 | 30 | 2 |

* [Measurements shall be conducted in accordance with photometric testing procedures for reflex-reflectors as specified in Society of Automotive Engineers Standard, SAE J594, Reflex Reflectors, and using 50, ± 5 sq. in. (322.6, ± 32.3 sq. centimeters) of reflective material. The maximum dimension of the test surface shall not be greater than 1.5 times the minimum dimension. The Reflective Intensity (R) is computed from the equation.]

$$R = \frac{(L_r)(d)^2}{(L_s)(A)}$$

where

- R = reflective intensity, candlepower per incident foot-candle per square foot
- L_r = illumination incident upon receiver at observation point, foot-candles
- L_s = illumination incident upon a plane perpendicular to the incident ray at the test specimen position, foot-candles
- d = distance from test specimen to source of illumination (100 ft. as specified in SAE J594), feet
- A = area of test surface, square feet

(Indiana Criminal Justice Institute; Rule 5.3; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 360; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-5-3) to the Indiana Criminal Justice Institute (205 IAC 1-5-3) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-5-4 Durability requirements

Authority: IC 9-21-9-5
 Affected: IC 9-21-9

Sec. 4. Durability.

(1) The reflective and fluorescent materials shall be tough, flexible and of sufficient thickness and strength to meet the requirements of rules 5 and 6. After the Durability Test, paragraph 6.2, the fluorescent and reflective material shall show no

appreciable discoloration, cracking, crazing, blistering, loss of durable bond, or dimensional change.

(2) Backing material for portable identification emblems shall be equivalent to 0.040 in. (0.1016 millimeters) minimum thickness aluminum, 22-gage (0.030 in. or 0.76 mm) minimum thickness mill-galvanized or coated sheet steel with the surface clean and receptive to a durable bond. The backing material shall be free of burrs.

NOTE: These requirements are minimal and do not preclude the use of materials having superior performance.

(Indiana Criminal Justice Institute; Rule 5.4; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 361; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-5-4) to the Indiana Criminal Justice Institute (205 IAC 1-5-4) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 6. Procedures

205 IAC 1-6-1 Test standards

Authority: IC 9-21-9-5
 Affected: IC 9-21-9

Sec. 1. The emblem shall be tested in conformance with the following sections from SAE J575, Tests for Motor Vehicle Lighting Devices and Components:

- Section B—Samples for Tests
- Section D—Laboratory Facilities
- Section E—Vibration Test
- Section H—Corrosion Test (pertains to face of emblem only).

(Indiana Criminal Justice Institute; Rule 6.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 362; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA) NOTE: Rule 6 erroneously numbered as Rule 1 in original. NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-6-1) to the Indiana Criminal Justice Institute (205 IAC 1-6-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-6-2 Durability test

Authority: IC 9-21-9-5
 Affected: IC 9-21-9

Sec. 2. Durability test. Samples shall be exposed to the sun at an angle of 45 deg. to horizontal and facing south per American Society for Testing and Materials, ASTM D1014, Method of Conducting Exterior Exposure Tests of Paints on Steel.

TABLE 2—DURABILITY TEST PERIODS

| Location | Minimum Test Period, months | |
|---------------------------|-----------------------------|------------|
| | Fluorescent | Reflective |
| Outside in Midwest | 12 | 24 |
| or | | |
| Outside in Miami, Florida | 6 | 12 |

(Indiana Criminal Justice Institute; Rule 6.2; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 362; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-6-2) to the Indiana Criminal Justice Institute (205 IAC 1-6-2) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-6-3 Drop test

Authority: IC 9-21-9-5
 Affected: IC 9-21-9

Sec. 3. Drop test. Each test sample shall be dropped from a height of 5 ft. (1.53 m) to a smooth hard surface equivalent to rigid metal or concrete. Each test sample shall be submitted to three drop tests: corner drop, edge drop, and flat drop. Failure shall be considered to have occurred when the emblem will no longer meet requirements in rule 5. (*Indiana Criminal Justice Institute; Rule 6.3; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 362; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-6-3) to the Indiana Criminal Justice Institute (205 IAC 1-6-3) by P.L.39-1993, SECTION 12, effective July 1, 1993.

Rule 7. Mounting

205 IAC 1-7-1 Mounting emblem

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 1. The emblem shall be mounted point up (see Fig. 1) in a plane perpendicular to the direction of travel. It shall be placed centrally at the rear of the mass, unobscured, and 3 to 5 ft. above the ground measured from the lower edge of the emblem. (*Indiana Criminal Justice Institute; Rule 7.1; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 362; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-7-1) to the Indiana Criminal Justice Institute (205 IAC 1-7-1) by P.L.39-1993, SECTION 12, effective July 1, 1993.

205 IAC 1-7-2 Other warning devices; prohibited use of emblem

Authority: IC 9-21-9-5

Affected: IC 9-21-9

Sec. 2. The emblem shall not replace such warning devices as tail lamps, reflectors, or flashing lights and is not to be used as a clearance marker for wide equipment. (*Indiana Criminal Justice Institute; Rule 7.2; filed Mar 4, 1968, 2:15 p.m.: Rules and Regs. 1969, p. 362; readopted filed May 31, 2002, 3:28 p.m.: 25 IR 3462; readopted filed Nov 24, 2008, 10:14 a.m.: 20081210-IR-205080769RFA*) NOTE: Transferred from the Office of Traffic Safety (150 IAC 1-7-2) to the Indiana Criminal Justice Institute (205 IAC 1-7-2) by P.L.39-1993, SECTION 12, effective July 1, 1993.

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