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## **S.F. No. 3943 - Wayside detector system requirement**

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**S.F. 3943** requires the use of detector systems on mainline rail track to monitor trains for potential defects or unsafe movement. Effective January 1, 2025.

**Subdivision 1** defines key terms, including “hazardous substance” and “wayside detector system.” A wayside detector system includes one or more electronic devices that (1) perform automated scanning of passing trains, rolling stock, and on-track equipment to detect defects or precursors to defects and (2) provide notification to individuals of that defect or precursor to a defect.

**Subdivision 2** provides the requirements are applicable to Class I railroads, Class II railroads, or Class III railroads carrying hazardous substances at a speed that exceeds 10 m.p.h.

**Subdivision 3** specifies placement requirements for wayside detector systems and requires the use of a hot bearings detector and a dragging equipment detector in the wayside detector system.

**Subdivision 4** specifies response procedures for a potential defect, including the requirement of a lower travel speed upon a defect notification.

**Subdivision 5** requires annual reports from railroads subject to this section to the Department of Transportation and specifies what must be included on the report about the railroad’s wayside detector system.