

AREMA® C&S Manual
 2009 (Includes 2009 Revisions) Volume 2
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SECTION 5 - DEFECT DETECTION SYSTEMS

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
<u>5.1 Recommended Defect Detection Systems</u>				
5.1.1	38-1	Recommended Design Criteria and Functional/Operating Guidelines for a Dragging Equipment Detector	3	Reaffirmed 2009
5.1.12	38-1	Recommended Design Criteria for Rock Fall and Slide Detectors	4	Revised 2008
5.1.20	38-1	Recommended Functional/Operating Guidelines for a High, Wide Load Detector	3	Revised 2009
5.1.25	38-1	Recommended Functional/Operating Guidelines for a Flat Wheel Detector	3	Reaffirmed 2008
5.1.30	38-1	Specification for a Hot-Bearing Detection Systems	22	Revised 2008
5.1.35	38-1	Recommended Functional/Operating Guidelines for a Hot Wheel Detector	3	Reaffirmed 2009
5.1.40	38-1	Recommended Functional/Operating Guidelines for an Automatic Wayside Wheel Crack Detector	3	Reaffirmed 2007
5.1.45	38-1	Recommended Functional/Operating Guidelines for a Fail Safe Car Detector System Without Track Circuits	2	Revised 2008

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5.1.47	38-1	Recommended Functional/ Operating Guidelines for a Non-Vital Car Detection System Using Inductive Loop Proximity Detectors	5	Revised 2008
5.1.50	38-1	Recommended Functional/ Operating Guidelines for a Rail or Tie Mounted Wheel Detector	3	Reaffirmed 2007
<u>5.3 Recommended Instructions</u>				
5.3.1	38-1	Recommended Instructions for Hot-Bearing Detector Site Selection	3	Reaffirmed 2009
5.3.2	38-1	Recommended Instructions for Automatic Equipment Identification (AEI) System Site Configuration and Selection	3	Revised 2008
5.3.6	38-1	Recommended Instructions for Inspection and Test of Defect Detection System Installation Before Placing in Service	2	Reaffirmed 2007
5.3.10	38-1	Recommended Instructions for Inspection and Test of Wayside Inspection Systems	5	New 2007
5.3.11	38-1	Recommended Instructions for Inspection and Test of Wayside Inspection Systems Hot Bearing Detection System, Including Hot Journal,		

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		Hot Wheel, Cold Wheel and Dragging Equipment Detectors	14	New 2007

5.4 Recommended Cross References

Refer to the American Railway Engineering and Maintenance of Way Association (AREMA) Manual for Railway Engineering, Chapter 16-Economics of Railway Engineering and Operations, Part 5-Economics and Location of Defect Detector Systems.