

SECTION 8 - TRACK CIRCUITS

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
<u>8.1 Recommended DC Track Circuits and General</u>				
8.1.1	37-1	Recommended Functional/ Operating Guidelines for Track Circuits	3	Reaffirmed 2019
8.1.2	37-1	Recommended Functional/ Operating Guidelines for Electronic Track Circuit for Control of Railway Signals	2	Revised 2014
8.1.5	37-1	Recommended Formulae for Computing Minimum Allowable Resistance Between Track Battery and Track and for Computing Related Current and Voltage Data	10	Reaffirmed 2017
8.1.10	37-1	Recommended Direct-Current Track Circuit Test Record	2	Revised 2013
8.1.11	37-1	Recommended Test Procedures to Determine Wheel to Rail Contact Resistance Calculations and Test Record for Rolling Stock and Wheel to Wheel Resistance Criteria	4	Revised 2015
8.1.20	37-1	Recommended Application Criteria for Track-Circuit Bonding	5	Revised 2016
8.1.25	37-1	Recommended Design Criteria for Plug- Type Rail-Web Bonds and Track-Circuit Connections	8	Reaffirmed 2016
8.1.30	37-1	Recommended Design Criteria for Non-Propulsion Welded-Type Rail-Head Bonds	6	Revised 2019
8.1.31	37-1	Recommended Design Criteria for Copper Based Welded-Type Propulsion Rail-Head Bonds	8	Revised 2019

SECTION 8 - TRACK CIRCUITS (Cont'd)

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
8.1.32	37-1	Recommended Design Criteria for Copper Based Exothermically Welded-Type Non-Propulsion Rail-Web Bonds and Track Circuit Connections	6	Reaffirmed 2016
8.1.33	37-1	Recommended Design Criteria for Copper Based Exothermically Welded-Type Propulsion Rail-Web Bonds and Track Connections	7	Revised 2016
8.1.34	37-1	Recommended Design Criteria for Copper Based Exothermic Welding Material	4	Revised 2019
8.1.35	37-1	Recommended Design Criteria for Copper Insert Mechanical-Type Propulsion Rail-Web Track Contacts	2	Revised 2019
8.1.36	37-1	Recommended Instructions for Mechanical-Type Tin Plated Copper Insert Rail Web Contacts	6	Revised 2019
<u>8.2 Recommended Audio Frequency Track Circuits</u>				
8.2.1	36-1	Recommended Design Criteria and Functional Guidelines for Audio Frequency Track Circuits	4	Reaffirmed 2018
<u>8.3 Recommended Coded Track Circuits</u>				
8.3.1	37-1	Recommended Design Criteria for Non-Resonant Coded Track Circuit Unit	2	Revised 2014
8.3.5	37-1	Recommended Design Criteria for Decoding Unit	2	Revised 2014
8.3.10	37-1	Recommended Design Criteria for Decoding Transformer, Dry-Type, Air-Cooled	2	Revised 2014

SECTION 8 - TRACK CIRCUITS (Cont'd)

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
<u>8.4 Recommended Items for Electrified Territory</u>				
8.4.1	37-1	Recommended Design Criteria and Operating Guidelines for a Phase-Selective Coded AC Track Circuit Unit	3	Reaffirmed 2016
8.4.2	37-1	Recommended Design Criteria and Operating Guidelines for a Two-Element Tuned Resonant Unit	3	Revised 2016
8.4.3	37-1	Recommended Test Procedures for Low Frequency Tuned and Untuned Impedance Bonds	11	Revised 2015
8.4.5	37-1	Recommended Design Criteria for Low Frequency Untuned Impedance Bonds	6	Revised 2017
8.4.6	37-1	Recommended Developmental Criteria for Impedance Bond Compound	2	Revised 2017
8.4.7	37-1	Recommended Developmental Criteria for Impedance Bond Oil	3	Revised 2017
8.4.8	37-1	Recommended Developmental Criteria for Impedance Bond Fire-Resistant Dielectric Fluids	4	Revised 2015
8.4.9	37-1	Recommended Design Criteria for Low Frequency Tuned Impedance Bonds	6	Revised 2017
<u>8.5 Recommended Insulated Track Fittings, Rail Joints</u>				
8.5.1	37-1	Recommended Instructions for Assembly and Electrical Testing of Insulated Track Fittings	2	Reaffirmed 2019

SECTION 8 - TRACK CIRCUITS (Cont'd)

<u>Part</u>	<u>C</u>	<u>Type & Subject</u>	<u>Pages</u>	<u>Status</u>
8.5.2	37-1	Recommended Developmental Criteria for Fabricated Insulating Parts for Track Insulation	2	Reaffirmed 2019
8.5.3	37-1	Recommended Developmental Criteria for Track Insulating Material	2	Reaffirmed 2019
<u>8.6 Recommended Instructions</u>				
8.6.1	37-1	Recommended Instructions for Vital Track Circuits	6	Reaffirmed 2015
8.6.10	36-1	Recommended Instructions for Application of Audio Frequency Overlay Track Circuits	3	Revised 2019
8.6.15	37-1	Recommended Instructions for Minimizing the Effect of Foreign Currents on Direct-Current Track Circuits	4	Reaffirmed 2015
8.6.25	37-1	Recommended Instructions for Drilling 3/8 Inch Rail Bond or Track Connector Holes	2	Revised 2019
8.6.30	37-1	Recommended Installation and Maintenance Instructions for Lower Frequency Range Impedance Bonds	5	Revised 2016
8.6.35	37-1	Recommended Instructions and Test Procedures for Insulated Rail Joints and Other Track Insulations	6	Revised 2016
8.6.40	37-1	Recommended Instructions for Application of Head-of-Rail Type Welded or Brazed Bond	1	Reaffirmed 2016