

Train Accidents Cause Codes

(Appendix C of the FRA Guide for Preparing Accident/Incident Reports)

TRACK, ROADBED, AND STRUCTURE

Select one of these codes and enter in Form F6180.54, 38 & 39. Causes
Numeric Listing

Roadbed			
Code	Causes	Code	Causes
T001	Roadbed settled or soft	T002	Washout/rain/slide/flood/snow/ice damage to track
		T099	Other roadbed defects (Provide detailed description in narrative)

Track Geometry			
Code	Causes	Code	Causes
T101	Cross level of track irregular (at joints)	T108	Track alignment irregular (other than buckled/sun kink)
T102	Cross level of track irregular (not at joints)	T109	Track alignment irregular (buckled/sun kink)
T103	Deviation from uniform top of rail profile	T110	Wide gage (due to defective or missing crossties)
T104	Disturbed ballast section	T111	Wide gage (due to defective or missing spikes or other rail fasteners)
T105	Insufficient ballast section	T112	Wide gage (due to loose, broken, or defective gage rods)
T106	Super elevation improper, excessive, or insufficient	T113	Wide gage (due to worn rails)
T107	Super elevation runoff improper	T199	Other track geometry defects (Provide detailed description in narrative)

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Rail, Joint Bar and Rail Anchoring			
Code	Causes	Code	Causes
T201	Broken Rail - Bolt hole crack or break	T213	Joint bar broken (compromise)
T202	Broken Rail - Base	T214	Joint bar broken (insulated)
T203	Broken Rail - Weld (plant)	T215	Joint bar broken (no insulated)
T204	Broken Rail - Weld (field)	T216	Joint bolts, broken, or missing
T205	Defective or missing crossties (use code T110 if results in wide gage)	T217	Mismatched rail-head contour
T206	Defective spikes or missing spikes or other rail fasteners (use code T111 if results in wide gage)	T218	Broken Rail - Piped rail
T207	Broken Rail - Detail fracture from shelling or head check	T219	Rail defect with joint bar repair
T208	Broken Rail - Engine burn fracture	T220	Broken Rail - Transverse/compound fissure
T210	Broken Rail - Head and web separation (outside joint bar limits)	T221	Broken Rail - Vertical split head
T211	Broken Rail - Head and web separation (within joint bar limits)	T222	Worn rail
T212	Broken Rail - Horizontal split head	T223	Rail Condition - Dry rail, freshly ground rail.
		T299	Other rail and joint bar defects (Provide detailed description in narrative)

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Frogs, Switches and Track Appliances			
Code	Causes	Code	Causes
T301	Derail, defective	T311	Switch damaged or out of adjustment
T302	Expansion joint failed or malfunctioned	T312	Switch lug/crank broken
T303	Guard rail loose/broken or mislocated	T313	Switch out of adjustment because of insufficient rail anchoring
T304	Railroad crossing frog, worn or broken	T314	Switch point worn or broken
T305	Retarder worn, broken, or malfunctioning	T315	Switch rod worn, bent, broken, or disconnected
T306	Retarder yard skate defective	T316	Turnout frog (rigid) worn, or broken
T307	Spring/power switch mechanism malfunction	T317	Turnout frog (self guarded), worn or broken
T308	Stock rail worn, broken or disconnected	T318	Turnout frog (spring) worn, or broken
T309	Switch (hand operated) stand mechanism broken, loose, or worn	T319	Switch point gapped (between switch point and stock rail)
T310	Switch connecting or operating rod is broken or defective	T399	Other frog, switch and track appliance defects (Provide detailed description in narrative)

Other Way and Structure			
Code	Causes	Code	Causes
T401	Bridge misalignment or failure	T403	Engineering design or construction
T402	Flange way clogged	T404	Catenary system defect
		T499	Other way and structure defect (Provide detailed description in narrative)