

Causal tree of the UIC Safety Database - April 2013 update

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EN

001 Infrastructure			
010	...	100	...
011	Broken rail	110	...
	111 Maintenance	112	Materials
012	Track deformation	120	...
	121 Maintenance	122	Materials
013	Obstruction due to collapse of structures	130	...
	131 Bridge / viaduct collapsed	132	Building collapsed
	133 Tunnel obstruction		
014	Infrastructure / vehicle interaction	140	...
	141 Maintenance	142	Materials
	143 Incorrect installation		
015	Electrical infrastructure	150	...
	151 OHL - catenary	152	Electric supply lines
016	Traffic operating equipment failures	160	...
	161 Switch failure	162	Signalling failure
	163 Level crossing equipment failure	164	Control-command equipment failure
	165 Other traffic operating equipment failure		
002 Rolling stock			
020	...	200	...
021	Energy system	210	...
	211 Pantograph defect	212	Electrical circuit out of order
	213 Vehicle / energy system interoperability		
022	Running gear	220	...
	221 Wheel flat	222	Fault on axle (maintenance)
	223 Fault on axle (materials)	224	Fault on axle (other)
	225 Fault on wheel (maintenance)	226	Fault on wheel (materials)
	227 Fault on wheel (other)	228	Hot boxes
	229 Vehicle / infrastructure interaction		
023	Buffing and draw gear	230	...
	231 Buffers overriding	232	Coupling hook broken
024	Brake failure	240	...
	241 Maintenance	242	Materials
025	Gauge, shifted load (vehicle defect)	250	...
	251 Maintenance	252	Materials
026	Other faults on tractive rolling stock	260	...
	261 Maintenance	262	Materials
027	Other faults on hauled rolling stock	270	...
	271 Maintenance	272	Materials
003 Human factors (staff and contractors)			
030	...	300	...
031	Track and switch maintenance staff	310	...
	311 Communication problems	312	Involuntary acts
	313 Voluntary acts	314	Organisation problems
	315 Unauthorised occupation		
032	Energy staff	320	...
	321 Communication problems	322	Involuntary acts
	323 Voluntary acts	324	Organisation problems
033	Traffic operating and signalling staff	330	...
	331 Communication problems	332	Involuntary acts
	333 Voluntary acts	334	Organisation problems
034	Other IM staff	340	...
	341 Communication problems	342	Involuntary acts
	343 Voluntary acts	344	Organisation problems
035	Train driver	350	...
	351 Communication problems	352	Involuntary acts
	353 Voluntary acts	354	Organisation problems
036	Train crew	360	...
	361 Communication problems	362	Involuntary acts
	363 Voluntary acts	364	Organisation problems
037	Other RU staff	370	...
	371 Communication problems	372	Involuntary acts
	373 Voluntary acts	374	Organisation problems
	375 Load improperly secured		
004 Railway users			
040	...	400	...
041	Passengers	410	...
	411 Involuntary acts	412	Voluntary acts
	413 Organisation problems		
042	Freight customers (carriers and shippers)	420	...
	421 Involuntary acts	422	Voluntary acts
	423 Organisation problems	424	Load improperly secured
043	Other users	430	...
	431 Involuntary acts	432	Voluntary acts
	433 Organisation problems		
005 Weather & Environment			
050	...	500	...
051	Weather	510	...
	511 Fog	512	Wind
	513 Flood	514	Storm
	515 Frost	516	Snow
	517 Ice	518	Heat
052	Environment	520	...
	521 Animals	522	Overgrown vegetation
	523 Fallen tree(s)	524	Leaf mulch
	525 Fallen rocks / stones	526	Landslide
	527 Earthquake		
006 Third parties			
060	...	600	...
061	Trespass	610	...
	611 Non-compliance with laws and regulations	612	Inattention
	613 Alcohol or drugs	614	Theft or attempted theft
062	Pedestrian on public railway area (not LC)	620	...
	621 Non-compliance with laws and regulations	622	Inattention
	623 Alcohol or drugs	624	Theft or attempted theft
	625 Unconsciousness		
063	Pedestrian on level crossing	630	...
	631 Non-compliance with laws and regulations	632	Inattention
	633 Alcohol or drugs		
064	Road vehicle on level crossing	640	...
	641 Non-compliance with laws and regulations	642	Inattention
	643 Alcohol or drugs		
065	Vandalism	650	...
	651 On fixed installations	652	On rolling stock
066	Objects fouling the gauge	660	...
	661 Non-compliance with laws and regulations	662	Inattention
	663 Work near the line	664	Intentional (vandalism)
	665 Accidental event	666	Vehicle on the track (other than on LC)
009 Not identified			
099	...	999	...