

APPENDIX F
Circumstance Codes

- 1. Physical Act**
- 2. Location - Parts I, II, and III**
- 3. Event**
- 4. Tools, Machinery, Appliances, Structures, Surfaces (etc.)**
- 5. Probable Reason for Injury/Illness**

A complete record of all of factors associated with an injury or illness would be beneficial in prevention analysis. However, it is not practical, even if it were possible, to develop forms and codes that would capture every detail that may be associated with each incident. When selecting circumstance codes, use a combination that best identifies the key factors without duplicating information identified by another code. The narrative portion of the report is to be used to provide additional information concerning those items that cannot be adequately described on the coded portions of the form.

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APPENDIX F - Continued

PHYSICAL ACT CIRCUMSTANCE CODES

(What was the person doing when hurt?)

Select one of these codes and enter in Form F6180.55a, 5j. Physical Act

- | | |
|--|--|
| 01 Adjusting coupler | 34 Handling poles |
| 02 Adjusting drawbar | 37 Handling rail |
| 03 Adjusting, other | 35 Handling tie plates |
| 04 Applying rail anchor/fastener | 36 Handling ties |
| B3 Arresting/apprehending/subduing | 31 Handling wheels/trucks |
| A2 Ascending | 32 Handling, other |
| 05 Bending, stooping | A7 Hauling |
| 06 Carrying | 38 Inspecting |
| 07 Chaining, cabling car or locomotive | 39 Installing |
| 08 Cleaning/scrubbing | 40 Jumping from |
| 09 Climbing over/on | 41 Jumping onto |
| 10 Closing | 42 Laying |
| 13 Coupling air hose | 44 Lifting equipment (tools, parts, etc.) |
| 11 Coupling electric cables | 43 Lifting other material |
| 12 Coupling steam hose | 45 Lining switches |
| 16 Crossing between | 46 Lining, other |
| 15 Crossing or crawling under | 47 Loading/unloading |
| 14 Crossing over | B6 Lying down |
| 17 Cutting rail | 48 Maintaining/servicing |
| 18 Cutting vegetation | A8 Moving |
| 19 Cutting, other | 49 Opening |
| 77 Derail, applying | 50 Opening/closing angle cock |
| 79 Derail, other | 51 Operating |
| 78 Derail, removing | 53 Pulling |
| A3 Descending | 52 Pulling pin lifter/operating uncoupling lever |
| 20 Digging, excavating | 54 Pushing |
| 21 Driving (motor vehicle, forklift, etc.) | 55 Reaching |
| A4 Exercising | 56 Removing rail anchors/fasteners |
| 22 Flagging | 57 Repairing |
| 23 Fueling | A1 Replacing |
| A5 Getting in | 58 Riding |
| A6 Getting out | 59 Running |
| 25 Getting off | B2 Sanding |
| 24 Getting on | B1 Servicing |
| 26 Grinding | 60 Sitting |
| 74 Handbrakes, applying | B4 Sleeping |
| 75 Handbrakes, releasing | 61 Spiking (installation/removal) |
| 76 Handbrakes, other | 62 Standing |
| 27 Handling baggage | B5 Stepped on |
| 28 Handling car parts | |
| 30 Handling locomotive parts | |
| 29 Handling material, general | |
| 33 Handling other track material/supplies | |

APPENDIX F - Continued

PHYSICAL ACT CIRCUMSTANCE

CODES - Continued from previous page.

- 63** Stepping up
- 64** Stepping down
- 65** Stepping over
- 66** Uncoupling air hose
- 68** Uncoupling electric cables
- 67** Uncoupling steam hose
- 69** Using hand signals
- 70** Using hand tool
- 71** Using, other
- 72** Walking
- A9** Washing
- 73** Welding (includes field welding)
- 99** Other (**Narrative must be provided**)

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APPENDIX F - Continued

LOCATION CIRCUMSTANCE CODES

Select one code from each part and enter in Form F6180.55a, 5k. Location. Enter Part I followed by Part II, and then Part III.

Part I of Code

Did A/I occur on or near rail right of way? If so, select code that best describes the type of track.

- | | |
|---------------|--------------------------------------|
| A Main/branch | D Industry |
| B Yard | E Repair |
| C Siding | Y Other track (explain in narrative) |

If A/I did not occur on or near rail right of way, select code that best describes the location:

- | | |
|----------------------|--|
| G Break/lunch room | N Parking lot |
| H Freight terminal | P Passenger terminal |
| J Highway/roadway | Q Repair shop |
| K Loading dock | R Storage facility |
| L Lodging facility | S Sidewalk/walkway |
| M Office environment | T Other, (off site location) |
| | Z Other location (describe in narrative) |

Part II of Code

If A/I involved rail equipment, select code that best describes type of equipment involved.

- | | |
|--|--|
| 01 Camp car - moving | Other self-propelled equipment, or equipment used in transportation |
| 02 Camp car - standing | |
| 06 Freight car(s) - moving | |
| 05 Freight car(s) - standing | 51 Automobile |
| 03 Freight train - moving | 65 Bus |
| 04 Freight train - standing | 52 Crane, hoists, etc. |
| 07 Hy-rail/other inspection vehicle - moving | 53 Excavating machinery |
| 08 Hy-rail/other inspection vehicle - standing | 54 Grading/surfacing machinery |
| 09 Locomotive(s), not remote controlled - standing | 55 Loaders, forklifts, tractor, etc |
| 10 Locomotive(s), not remote controlled - moving | 64 Motorcycle |
| 18 Locomotive(s), remote control - moving | 56 Off road vehicle - industrial |
| 17 Locomotive(s), remote control - standing | 57 Off road vehicle - recreational |
| 12 Maintenance of way equipment - moving | 58 Other construction type equipment |
| 11 Maintenance of way equipment - standing | 98 Other equipment (explain in narrative) |
| 15 Passenger car(s) - moving | 97 Other operated equipment (explain in narrative) |
| 16 Passenger car(s) - standing | 59 Taxi/commercial vehicle |
| 14 Passenger train - moving | 66 Tractor |
| 13 Passenger train - standing | 60 Truck |
| 49 Other on-track equipment - moving | 62 Van (passenger) |
| 50 Other on-track equipment - standing | 61 Van (utility) |
| | 63 Water vehicle, ship, boat, barge, etc. |
| | 99 The A/I was not associated with on-track equipment or any listed vehicle type |

APPENDIX F - Continued

Part III of Code

Select the code that best identifies the location of the person whose injury/illness is being reported.

- | | |
|---|---|
| A1 Alongside of on-track equipment - on ground | C8 Locomotive, under |
| A2 At work station | B3 On bridge/trestle |
| A5 Between cars/locomotives | CD On elevated work station |
| A7 Car, in (rail car) | C3 On escalator |
| B8 Car, on end of (rail car) | B4 On highway-rail crossing |
| B6 Car, on side of (rail car) | C5 On ladder |
| CA Car, on top of (rail car) | B5 On other rail crossing |
| C7 Car, under (rail car) | C2 On platform |
| CC Depot | B9 On pole/signal mast |
| A8 In elevator | C1 On scaffold |
| B1 In tower | C4 On stairs |
| B2 In tunnel | CB On top of equipment, other than ontrack equipment |
| A9 In/operating vehicle | A3 Track, beside |
| A6 Locomotive, in cab or on walkways | A4 Track, between |
| C9 Locomotive, on top of | B7 Track, on |
| C6 Locomotive, other location | X9 Other location (describe in narrative) |

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EVENT CIRCUMSTANCE CODES

Select one of these codes and enter in Form F6180.55a, 5l. Event

- | | |
|--|--|
| 01 Aggravated pre-existing condition | 33 Horseplay, practical joke, etc. |
| 02 Apprehending/removing from property | 34 Lost balance |
| 04 Assaulted by coworker | 35 Missed handhold, grabiron, step, etc. |
| 03 Assaulted by other | 36 Needle puncture/prick/stick |
| 06 Bitten by animal | 69 On track equipment, other incidents |
| 05 Bitten/stung by bee, spider, other insect | 37 Other impacts - on track equipment |
| 74 Blowing/falling debris | 38 Overexertion |
| 07 Bodily function/sudden movement, e.g., sneezing, twisting | 41 Pushed/shoved from |
| 72 Bumped | 39 Pushed/shoved into/against |
| 73 Burned | 40 Pushed/shoved onto |
| 81 Caught Between Equipment | 43 Ran into object/equipment |
| 79 Caught Between Machinery | 42 Ran into on-track equipment |
| 82 Caught Between Material | 46 Repetitive motion - tools |
| 08 Caught in or compressed by hand tools | 45 Repetitive motion - typing, keyboard, etc. |
| 09 Caught in or compressed by other machinery | 44 Repetitive motion - work processes |
| 12 Caught in or compressed by powered hand tools | 47 Repetitive motion - other |
| 10 Caught in or crushed by materials | 48 Rubbed, abraded, etc. |
| 11 Caught in or crushed in excavation, land slide, cave-in, etc. | 49 Shot |
| 68 Caught, crushed, pinched, other. | 50 Slack action, draft, compressive buff/coupling |
| 13 Cave in, slide, etc. | 80 Slack adjustment during switching operation |
| 16 Climatic condition, exposure to environmental cold | 52 Slipped, fell, stumbled, etc. due to climatic condition (rain, snow, ice, etc.) |
| 15 Climatic condition, exposure to environmental heat | 51 Slipped, fell, stumbled, etc. due to irregular surface, e.g., depression, slope, etc. |
| 14 Climatic conditions, other (e.g., high winds) | 54 Slipped, fell, stumbled, etc. due to object, e.g., ballast, spike, material, etc. |
| 17 Collision - between on track equipment | 53 Slipped, fell, stumbled, etc. on oil, grease, other slippery substance |
| 18 Collision/impact - auto, truck, bus, van, etc. | 70 Slipped, fell, stumbled, other |
| 19 Committing vandalism/theft | 55 Stabbing, knifing, etc. |
| 20 Defective/malfunctioning equipment | 56 Stepped on object |
| 21 Derailment | 61 Struck against object |
| 23 Electrical shock due to contact with 3rd rail, catenary, pantograph | 77 Struck by Other Remote Control Locomotive Controlled Equipment |
| 25 Electrical shock from hand tool | 76 Struck by Own Remote Control Locomotive Controlled Equipment |
| 22 Electrical shock while operating welding equipment | 60 Struck by falling object |
| 24 Electrical shock, other | 58 Struck by object |
| 27 Exposure to chemicals - external | 59 Struck by on-track equipment |
| 26 Exposure to fumes - inhalation | 57 Struck by thrown or propelled object |
| 30 Exposure to noise - single incident | 62 Sudden release of air |
| 29 Exposure to noise over time | 75 Sudden/Unexpected Movement of tools |
| 28 Exposure to poisonous plants | 63 Sudden/unexpected movement of material |
| 31 Exposure to welding light | |
| 32 Highway-rail collision/impact | |

APPENDIX F - Continued

EVENT CIRCUMSTANCE CODES -

Continued from previous page.

- 64** Sudden/unexpected movement of on-track equipment
- 65** Sudden/unexpected movement of vehicle
- 71** Sudden, unexpected movement, other
- 66** Sustained viewing
- 67** Thrill seeking
- 99** Other (describe in narrative)

APPENDIX F - Continued

TOOLS, MACHINERY, APPLIANCES, STRUCTURES, SURFACES (etc.)
CIRCUMSTANCE CODES

Select one of these codes and enter in Form F6180.55a, 5m. Result

- | | |
|---|--|
| 59 Anchor | 89 Locomotive cab floor |
| 7F Animal, insect, reptile | 90 Locomotive cab seat |
| 01 Baggage | 52 Locomotive cab electric locker doors |
| 02 Ballast, stones, etc. | 53 Locomotive car-body doors |
| 61 Bed | 50 Locomotive fire extinguisher |
| 03 Boring tools | 47 Locomotive horn |
| 67 Box | 54 Locomotive radios |
| 80 Brakeshoe | 48 Locomotive refrigerator |
| 04 Bridge/trestle | 49 Locomotive toilet |
| 44 Cable | 82 Locomotive, other |
| 05 Caboose | 7A Luggage |
| 7E Chains, straps, tie down devices. | 84 MOW equipment |
| 34 Chair/seat | 66 Motor |
| 46 Chemicals, fumes, etc. | 7K Motor vehicle, non rail |
| 35 Chock | 7J Needle, syringe, sharps |
| 7H Compressor | 23 Office equipment |
| 7C Computer equipment | 7G Plants, trees, foliage, etc. |
| 06 Coupler | 43 Platform |
| 83 Crane | 24 Power tools |
| 07 Cutting tools | 25 Pry bar |
| 08 Derail | 26 Rail bike |
| 09 Door | 64 Refrigerator |
| 45 Electrical connections, wiring, etc. | 8N Remote control transmitter |
| 10 End of train device | 91 Repair shop-MOW |
| 11 Floor | 85 Repair shop-locomotive |
| 63 Food | 86 Repair shop-Car |
| 12 Fusees/torpedoes | 88 Rock, other than ballast |
| 13 Grabiron | 60 Signal equipment (gates, poles, gaffs, etc.) |
| 14 Ground | 57 Soap |
| 15 Hand tools, digging, e.g., shovels, picks, etc. | 38 Spike, tie plates, rail fasteners, etc |
| 16 Hand tools, gripping, e.g., pliers, tongs, clamps | 27 Stair step |
| 17 Hand tools, striking & nailing, e.g., hammers, mallets | 36 Step/stirrup, equipment |
| 8F Hand tools, other | 65 Stove |
| 37 Handbrake | 28 Switch |
| 18 Highway, street, road | 87 Switch machine |
| 19 Hose | 29 Tie |
| 56 Hose connections | 62 Toilet |
| 20 Inspection Pit | 30 Torch, acetylene, gas, etc. |
| 21 Jack | 81 Track (Rail) |
| 22 Ladder | 58 Traction motor |
| 40 Lever | 31 Trailer/container on flat car (TOFC, COFC) |
| 51 Locomotive cab Door(s) | TOOLS, MACHINERY, APPLIANCES,
STRUCTURES, SURFACES (etc.) |

APPENDIX F - Continued

**CIRCUMSTANCE CODES - Continued from
previous page.**

- 7L** Weapon
- 32** Welder - electric
- 7M** Welder/torch, other
- 33** Window
- 99** Other (describe in narrative)

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APPENDIX F - Continued

PROBABLE REASON FOR INJURY/ILLNESS CIRCUMSTANCE CODES

Select one of these codes and enter in Form F6180.55a, 5n. Cause

- | | |
|---|--|
| 01 Environmental | 46 Track, unrelated to using RCL |
| 02 Safety equipment not worn or in place | 47 Impairment, substance use, unrelated to using RCL |
| 03 Procedures for operating/using equipment not followed | 48 Impairment, physical condition, e.g., fatigue, unrelated to using RCL |
| 04 Equipment | 49 Human factor, unrelated to using RCL |
| 05 Signal | 50 Trespassing, unrelated to using RCL |
| 06 Track | 59 Undetermined, unrelated to using RCL |
| 07 Impairment, substance use | |
| 08 Impairment, physical condition, e.g., fatigue | |
| 09 Human factor | |
| 10 Trespassing | |
| 11 Object fouling track | 99 Undetermined |
| 12 Outside caused (e.g., assaulted/attacked) | |
| 13 Lack of communication | |
| 14 Slack adjustment during switching operation | |
| 15 Insufficient training | |
| 16 Failure to provide adequate space between equipment during switching operation | |
| 17 Close or no clearance | |
| 19 Act of God | |

REMOTELY CONTROLLED LOCOMOTIVE(S)

- 21 Environmental, related to using RCL
- 22 Safety equipment not worn or in place, related to using RCL
- 23 Procedures for operating/using equipment not followed, related to using RCL
- 24 Equipment, related to using RCL
- 25 Signal, related to using RCL
- 26 Track, related to using RCL
- 27 Impairment, substance use, related to using RCL
- 28 Impairment, physical condition, e.g., fatigue, related to using RCL
- 29 Human factor, related to using RCL
- 31 Trespassing, related to using RCL
- 39 Undetermined, related to using RCL
- 41 Environmental, unrelated to using RCL
- 42 Safety equipment not worn or in place, unrelated to using RCL
- 43 Procedures for operating/using equipment not followed, unrelated to using RCL
- 44 Equipment, unrelated to using RCL
- 45 Signal, unrelated to using RCL