

CLASSIFICATION OF ACCIDENTS

Accidents are classified under following heads:-

- i. Train Accidents,
- ii. Yard Accidents,
- iii. Indicative Accidents,
- iv. Equipment Failures,
- v. Unusual Incidents.

I. Train Accidents :

Train accident is an accident that involves a train. Train accidents are further divided as:-

- (a) Consequential train accidents; and
- (b) Other train accidents

(a) Consequential train accidents include train accidents having serious repercussion in terms of loss of human life, human injury, loss to Railway property or interruption to Rail traffic. Train accident under following classification will be termed as consequential train accidents :-

Collision	: All cases under categories A-1 to A-4
Fire	: All cases under categories B-1 to B-4
Level Crossing	: All cases under categories C-1 to C-4
Derailment	: All cases under categories D-1 to D-4
Miscellaneous	: All cases under category E-1

(b) Other train accidents - All other accidents which are not covered under the definition of consequential train accidents are to be treated as "other train accidents". These

include accidents under categories B-5, B-6, C-5 to C-8, D-5 and E-2.

II. Yard Accidents :

All accidents that take place in a yard and does not involve a train are termed as Yard Accidents. These include accidents falling under categories A-5, B-7, C-9 and D-6.

III. Indicative Accidents :

In real term they are not accidents but are serious potential hazards and include all cases of averted collision, breach of block rule and train passing signal at danger coming under classification F,G and H respectively.

IV. Equipment Failures :

These include all failure of railway equipment i.e. failure of locomotive, rolling stock, permanent way, overhead wire, signalling and telecommunication equipment and include cases falling under classification J, K, L and M.

V. Unusual Incidents :

These include cases related to law and order but not resulting in train accidents and other incidents under classification N, P, Q and R.

For statistical purposes, accidents are further classified into 16 classes from 'A to R' except 'I and O' and further sub-divided into 84 sub-classes as given below :

5.01. Class 'A'-Collisions. —

A-1 Collision involving a train carrying passengers, resulting in (i) loss of human life and/grievous hurt and/or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and/or (iii) interruption of any important through line of communication for at least 24 hours.

- A-2 Collision involving a train NOT carrying passengers, resulting in (i) loss of human life and/or grievous hurt and or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and/or (iii) interruption of any important through line of communication for at least 24 hours.
- A-3 Collision involving a train carrying passengers, not falling under A-1 above.
- A-4 Collision involving a train NOT carrying passengers, not falling under A-2 above.
- A-5 Other collisions, i.e. collisions occurring in shunting, marshalling yards, loco yards and siding etc. but not involving a train.

5.02. Class "B"— Fire in trains. —

- B-1 Fire in a train carrying passengers resulting in (i) loss of human life and/or grievous hurt and/or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and/or (iii) interruption of any important through line of communication for at least 24 hours.
- B-2 Fire in a train NOT carrying passengers resulting in (i) loss of human life and/ or grievous hurt and/or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and/or (iii) interruption of any important through line of communication for at least 24 hours.
- B-3 Fire in a train carrying passengers not falling under B-1 above but (i) loss to Railway property is Rs. 50,000 or above and/or (ii) interruption to traffic is more than the threshold value and/or (iii) resulting into detachment of coaching stock/ stocks from the train.

- B-4 Fire in train NOT carrying passengers not falling under B-2 above but (i) loss to Railway property is Rs. 50,000 or above and/or (ii) interruption to traffic is more than the threshold value and/ or (iii) resulting into detachment of goods stock/stocks from the train.
- B-5 Fire in a train carrying passengers not falling under B-1 or B-3 above.
- B-6 Fire in a train NOT carrying passengers and not falling under B-2 or B-4 above.
- B-7 Fire occurring in shunting, marshalling yards, loco yards and siding etc. involving-rolling stock but not involving a train.

NOTE : In case of an inquiry by a committee into a fire accident in Railway Premises or in a train leading to damage to Railway property and/or booked consignments, a representative of the Railway Protection Force should also be included as a member of the Committee.

5.03. Class "C" —Train running into road traffic, and/ or traffic running into trains at level crossings.—

- C-1 Trains carrying passengers running into road traffic and/or road traffic running into such trains at manned level crossings resulting in (i) loss of human life and/ or grievous hurt and/or (ii) damage to Railway property and/or (iii) interruption to traffic is more than the threshold value.

- C-2 Train NOT carrying passengers running into road traffic and/or road traffic running into such trains at manned level crossings resulting in (i) loss of human life and/ or grievous hurt and/ or (ii) damage to Railway property and/or (iii) interruption to traffic is more than the threshold value.
- C-3 Train carrying passengers running into road traffic and/ or road traffic running into such trains at unmanned level crossings resulting in (i) loss of human life and/ or grievous hurt and/or (ii) damage to Railway property and/or (iii) interruption to traffic is more than the threshold value.
- C-4 Trains NOT carrying passengers running into road traffic and/or road traffic running into such trains at unmanned level crossings resulting in (i) loss of human life and/or grievous hurt and/or (ii) damage to Railway property and/or (iii) interruption to traffic is more than the threshold value.
- C-5 Trains carrying passengers running into road traffic and/or road traffic running into such trains at manned level crossings but not falling under C-1.
- C-6 Trains NOT carrying passengers running into road traffic and /or road traffic running into such trains at manned level crossings but not falling under C-2.
- C-7 Trains carrying passengers running into road traffic and/or road traffic running into such trains at unmanned level crossings but not falling under C-3.

- C-8 Trains NOT carrying passengers running into road traffic and /or road traffic running into such trains at unmanned level crossings but not falling under C-4
- C-9 Shunting engine with or without vehicles or loose vehicles running into road traffic and/or road traffic running into shunting engine with or without, vehicles or loose vehicles, at level crossings.

NOTE : If a road vehicle is not capable of being physically cleared off the track promptly by single person operating it, it should be termed as road traffic for the purposes of classifying such an accident as a train accident, irrespective of its mode of traction.

5.04. Class- "D" — Derailments. —

- D-1 Derailment of a train carrying passengers resulting in (i) loss of human life and/or grievous hurt and /or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and/or (iii) interruption of any important through line of communication for at least 24 hours.
- D-2 Derailment of a train NOT carrying passengers resulting in (i) loss of human life and/or grievous hurt and/or (ii) damage to Railway property of the value exceeding Rs. 2 Crores and /or (iii) interruption of any important through line of communication for at least 24 hours.
- D-3 Derailment of a train carrying passengers, not falling under D-1 above.
- D-4 Derailment of a train NOT carrying passenger not falling under D-2 above but loss to Railway property

and/or interruption to traffic is more than the threshold value.

- D-5 Derailment of train NOT carrying passengers not falling either under D-2 or D-4 above.
- D-6 Other derailments, i.e. derailments occurring in shunting, marshalling yards, loco yards and siding etc. but not involving a train.

5.05. Class "E" — Other Train Accidents. —

- E-1 Train running over or against any obstruction including fixed structure other than included under class "C" resulting in (i) loss of human life and /or grievous hurt and/or (ii) damage to Railway property and/or (iii) interruption to traffic is more than the threshold value.
- E-2 Train running into any obstruction including fixed structure but not covered up under Class 'C' or 'E-1'.

INDICATIVE ACCIDENTS

5.06. Class "F" — Averted collision. —

- F-1 Averted collision between trains atleast one of which is carrying passengers.
- F-2 Averted collision between a train carrying passengers and an obstruction.
- F-3 Averted collision between trains NOT carrying passengers.
- F-4 Averted collision between trains NOT carrying passengers and an obstruction.

5.07. Class "G" – Breach of Block Rules. –

- G-1 Trains carrying passengers, entering a block section without any authority or without a proper "Authority to Proceed".
- G-2 Train NOT carrying passengers, entering a block section without any authority or without a proper "Authority to Proceed".
- G-3 Train received on a blocked line, not constituting an averted collision.
- G-4 Train received on or entering into a wrong line at a station or Catch Siding or Slip Siding or Sand Hump etc.

5.08. Class "H" – Train passing signal at danger

- H-1 Train carrying passengers running past a "stop" signal at danger without proper authority.
- H-2 Train NOT carrying passengers running past a "stop" signal at danger without proper authority.

EQUIPMENT FAILURES**5.09. Class "J" - Failure of Engine and Rolling Stock . –**

- J-1 Failure of engine hauling a train carrying passengers.
- J-2 Failure of engine hauling a train NOT carrying passengers or light engine.
- J-3 Parting of train carrying passengers.
- J-4 Parting of train not carrying passengers.
- J-5 Failure of Rolling Stock such as failure of tyres, wheels, axles, or braking apparatus etc. on a passenger carrying train leading to detachment of rolling stock/stocks from the train.

- J-6 Failure of Rolling Stock such as failure of tyres, wheels, axles, or braking apparatus etc. on a train NOT carrying passenger, leading to detachment of rolling stock/stocks from the train.
 - J-7 Failure of Rolling Stock such as failure of tyres, wheels, axles, or braking apparatus etc. on a passenger carrying train, not leading to detachment of rolling stock/stocks from the train.
 - J-8 Failure of Rolling Stock such as failure of tyres, wheels, axles, or braking apparatus etc. on a train not carrying passenger, not leading to detachment of rolling stock/stocks from the train.
 - J-9 A train or a portion of a train running away, out of control.
 - J-10 Poor brake power in train but not covered in Class J-9.
- 5.10. Class "K" – Failure of Permanent Way. –**
- K-1 Buckling of track.
 - K-2 Weld failure.
 - K-3 Rail fracture.
 - K-4 An unusually slack or rough running or heavy lurch experienced by Loco Pilots of running trains while passing over any length of permanent way leading to blockage of communication.
 - K-5 Failure of Railway tunnel, bridge, viaduct/ formation/cutting and culvert etc.
 - K-6 Damage to track of such a nature other than those covered under Class K-1 to K-5 so as to render it temporarily unsafe for passage of trains or likely to cause delay to traffic for period above threshold value.

K-7 Damage to track of such a nature as to render it temporarily unsafe for the passage of trains or likely to cause delays to traffic not covered up under class K-1 to K-6.

NOTE : In above classification those cases detected during regular maintenance and not affecting train movement will not be counted.

5.11. Class "L" – Failure of Electric Equipment.—

L-1 Snapping off or any damage to OHE wire requiring switching off of OHE for more than three minutes.

L-2 No tension in OHE for more than three minutes.

L-3 Pantograph entanglement not covered up under J-1 and J-2.

L-4 Defect in AC or other electrical equipment leading to detachment of a rolling stock/stocks from a train.

5.12. Class "M" – Failure of Signalling and Telecommunication.—

M-1 Failure of part or complete panel/RR1.

M-2 Failure of interlocking/track circuit or axle counter.

M-3 Failure of Block Instruments.

M-4 Failure of point machine and equipment.

M-5 Failure of signal /point.

M-6 Failure of control / station communication for more than fifteen minutes.

M-7 Failure of station to station or station to level crossing gate communication for more than fifteen minutes.

NOTE: Signal/Point and Tele-Communication failures, which were not informed to the concerned staff of the S & T department will not be taken into account under this head.

UNUSUAL INCIDENTS

5.13. Class "N" – Train Wrecking or Sabotage to a train—

N-1 Attempted wrecking of or Bomb Blast or Explosion or Hijacking or Sabotage to a train carrying passengers with or without loss of human life and/or grievous hurt and/or damage to Railway Property.

N-2 Attempted wrecking of or Bomb Blast or Explosion or Hijacking or Sabotage to a train NOT carrying passengers with or without loss of human life and/or grievous hurt and/or damage to Railway Property.

N-3 Attempted wrecking of or Bomb Blast or Explosion or Sabotage to signalling and track or forceful confinement of train running staff on duty and/or passengers but not involving a train.

5.14. Class "P" – Casualties.—

P-1 Person or persons falling out of a running train resulting in loss of human life or grievous hurt.

P-2 Person or persons run over or knocked down by a train resulting in loss of human life or grievous hurt.

P-3 Person or persons run over or knocked down by a train or engine or railway vehicle, not resulting in loss of human life or grievous hurt.

5.15. Class "Q" – Other Incidents.—

Q-1 Accidental or natural death or grievous hurt to any person whether passenger, railway employee or trespasser (or any other person), within railway premises (excluding railway quarters).

- Q-2 Murder or suicide in a train or within railway premises.
- Q-3 Robbery, attempted robbery, theft or attempted theft in Railway premises, including trains.
- Q-4 Fire or explosion within Railway premises but not involving trains.
- Q-5 Fire or explosion resulting in damage to Railway bridge and viaduct etc.
- Q-6 Blockade to train services due to agitation.

5.16. Class "R" – Miscellaneous. –

- R-1 Vehicle or vehicles running away.
- R-2 Train running over cattle.
- R-3 Floods, Breaches and land slides etc. resulting in interruption of an important through line of communication more than the threshold value.
- R-4 Other cases of Floods, Breaches, land slides etc. resulting in interruption to traffic.
- R-5 Any accident not included in the foregoing classifications.

NOTE : (1) The term 'cattle' does not include sheep, goats, pigs, dogs, donkeys, rams, ewe and lambs.

(2) A train includes a trolley, lorry, motor trolley, when worked under the rules for working trains.

(3) Collision of an engine against a part of a train left behind in the section or disabled train or a run away vehicle / engine etc. will, however, be treated as a case of collision.

(4) In the event of an accident falling in more than one class, it should be treated as an accident in the highest/higher class. But in accident message, while classifying an accident in the highest/higher class, the subsidiary class or classes should also be indicated.
