

CHAPTER - III

CLASSIFICATION OF ACCIDENTS

3.00 Accident : For the purpose of Railway working, accident is an occurrence in the course of working of Railway which does or may affect the safety of the Railway, its engine, rolling stock, permanent way and works, fixed installations, passengers or servant or which affect the safety of others or which does or may cause delay to train or loss to the Railway. For statistical purposes accident has been classified into categories from “A’ to “R” excluding “T” and “O”.

3.01. Classification of Accidents: Accidents are classified under following heads:-

- I. Train Accidents.
- II. Yard Accidents.
- III. Indicative Accidents.
- IV. Equipment failures.
- V. Unusual incidents.

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

- (a) Consequential train accidents
- (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:-

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|-----------------------|----------|---|
| Collision | : | All cases under category A-1 to A-4. |
| Fire | : | All cases under category B-1 to B-4. |
| Level crossing | : | All cases under category C-1 to C-4. |
| Derailment | : | All cases under category 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.
- 303 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 category A-5, B- 7, C-9 and D-6 .
- 304 Indicative Accidents:-** In real term they are not accidents but are serious potential hazards and include all cases of train passing signal at danger, averted collision, breach of block rule coming under classification F, G and H.
- 305 Equipment failures:** These includes all failure of Railway equipment i.e.failure of locomotives, rolling stock, permanent way, over head wire, signalling, and telecommunication equipment etc. and include cases falling underclassification J, K, L &M.
- 306 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.
- 307 Detailed classification of accidents:**

Class ‘A’ – Collisions

- A-1** Collision involving 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.
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- A-2** Collision involving a train NOT carrying passengers resulting in
- (i) Loss of human life / 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.
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- A-3** Collision involving a train carrying passengers, not falling under A-1 above.
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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.

Class 'B' – Fire or explosion 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.2Crores and/or
 - (iii) Interruption of any important through line of communication for at least 24hours.
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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.2Crores and/or
 - (iii) Interruption of any important through line of communication for at least 24hours.
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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.
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B-4 Fire in a train NOT carrying passengers and not falling under B-2 abovebut

- (i) Loss to Railway property is Rs. 50,000 or above, and/or
 - (ii) Interruption to traffic is more than the threshold valueand/or
 - (iii) Resulting into detachment of goods stock/stocks from thetrain.
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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 atrain.

Note:-In case of 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.

Class ‘C’–Trains 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 into loss of human life and/or grievous hurt and/or damage to Railway property and/or interruption to traffic is more than the threshold value.
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- C-2** Trains not carrying passengers running into road traffic and/or road traffic running into such trains at manned level crossings resulting into loss of human life and/or grievous hurt and/or damage to Railway property and/or interruption to traffic is more than the threshold value.
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- C-3** Trains carrying passengers running into road traffic and/or road traffic running into such trains at unmanned level crossings resulting into loss of human life and/or grievous hurt and/or damage to Railway property and/or interruption to traffic is more than the threshold value
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- C-4** Trains not carrying passengers running into road traffic and/or road traffic running into such trains at unmanned level crossings resulting into loss of human life and/or grievous hurt and/or damage to Railway property or/and interruption to traffic is more than the threshold value.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
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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.

Class ‘D’ – Derailments

D-1 Derailment of a train carrying passenger resulting in loss of human life and/or grievous hurt and/or damage to Railway property of the value exceeding Rs.2 Crores and/or interruption of any important through line of communication for at least 24 hours.

D-2 Derailment of a train not carrying passenger resulting in loss of human life and/or grievous hurt and/or damage to Railway property of the value exceeding Rs.2Crores and/or interruption of any important through line of communication for at least 24 hours.

D-3 Derailment of a train carrying passenger 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 a train not carrying passenger 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.

Class ‘E’ – Other train accidents

E-1 Train running over or against any obstruction including fixed structure other than included under class “C” resulting into loss of human life and/or grievous hurt and/or damage to railway property and/or interruption to traffic is more than threshold value.

E-2 Train running into any obstruction including fixed structure but not covered under class “C” or E-1

INDICATIVE ACCIDENTS.

Class ‘F’ – Averted collision

F-1 Averted collision between trains at least one of which is carrying passenger.

F-2 Averted collision between a train carrying passenger and an obstruction.

F-3 Averted collision between trains not carrying passenger.

F-4 Averted collision between a train not carrying passenger and an obstruction.

Class 'G' – Breach of Block Rules

G-1 Trains carrying passengers, entering a block section without any authority without a proper authority to proceed.

G-2 Trains not carrying passengers, entering a block section without any authority or with- out 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 a wrong line at a station or catch siding or slip siding or sand hump etc.,.

Class 'H' – Train passing signal at danger.

H-1 Train carrying passengers running passed a 'stop' signal at danger without proper authority.

H-2 Train/NOT carrying passengers running passed a 'Stop' signal at danger, without proper authority.

EQUIPMENT FAILURE

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 a 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 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 passenger carrying trains, 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 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 a train but not covered in Class J-9

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 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 toK-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 in K-1 to K-6.

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

Class-'L' Failure of Electrical equipment

L-1 Snapping or any damage to OHE wire requiring switching 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/s from a train.

Class 'M' Failure of Signalling and Telecommunication

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

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 telecommunication failure which were not informed will not be taken into account of failure.

UNUSUAL INCIDENTS

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 signaling and track or forceful confinement of train running staff on duty and/or passengers but not involving a train.

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 falling out of a running train or knocked down by a train or engine or railway vehicle, not resulting in loss of human life or grievous hurt.

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

Class 'R' –Miscellaneous.

R-1 Vehicle or vehicles running away.

R-2 Train running over cattle.

R-3 Floods, Breaches and landslides, etc. resulting in interruption of an important through line of communication more than the threshold value.

R-4 Other cases of Floods, breaches, landslides, etc. resulting in interruption to traffic.

R-5 Any accident not included in the foregoing classifications.

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

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