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# ACCIDENT

# ACCIDENT

**DEFINITION:-** 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 which affect the safety of others or which does or may cause delay to train or loss to the railway property.

- For statistical purpose accident has been classified in categories from A to R excluding I and O.

# ACCIDENT

## CLASSIFICATION OF ACCIDENTS:

**Accidents are classified under following heads-**

- 1. Train accidents**
- 2. Yard accidents**
- 3. Indicative accidents**
- 4. Equipment failures**
- 5. Unusual incidents.**

# ACCIDENT

- **Class 'A' - Collisions**
- **Class 'B' - Fire in trains**
- **Class 'C' – Trains running into road traffic, and/or traffic running into trains at level crossings.**
- **Class 'D' – Derailments**
- **Class 'E' – Other Train Accidents**

# ACCIDENT

## INDICATIVE ACCIDENT

- **Class 'F' – Averted Collisions**
- **Class 'G' – Breach of Block Rules**
- **Class 'H' – Train passing signal at danger**

# ACCIDENT

## EQUIPMENT FAILURES

- **Class 'J' – Failure of Engine and Rolling Stock**
- **Class 'K' – Failure of Permanent Way**
- **Class 'L' – Failure of Electrical Equipment**
- **Class 'M' – Failure of Signalling and Telecommunication**

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## UNUSUAL INCIDENTS

- ▶ **Class 'N' – Train Wrecking or Sabotage to a train.**
- ▶ **Class 'P' – Casualties**
- ▶ **Class 'Q' – Other Incidents**
- ▶ **Class 'R' – Miscellaneous**

# **ACCIDENT**

**1. TRAIN ACCIDENTS – train accidents is an accident that involve a train.**

**Train accidents are further divided as:-**

**a) CONSEQUENTIAL TRAIN ACCIDENTS – include train accidents having serious repercussion in terms of either one or many or all the following-**

- Loss of human life**
- Human injury**
- Loss of railway property**
- Interruption of rail traffic.**



# ACCIDENT

- **Train accident under following classification will be termed as consequential train accident.**

**COLLISION – all cases under category A1 to A4**

**FIRE – all cases under category B1 to B4**

**LEVEL CROSSING – all case under category C1 to C4**

**DERAILMENT – all case under category D1 to D4**

**MISCELLANEOUS – all cases under category E1**

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**B. OTHER TRAIN ACCIDENTS:-** All accidents which are not covered under the definition of consequential train accident are to be treated as other train accident.

**2. YARD ACCIDENTS :-** All accidents that take place in a yard and does not involve a train are termed as yard accident. These include accidents falling under category A-5, B-7, C-9 and D- 6.

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**3. INDICATIVE ACCIDENT – In real term they are not accidents but are serious potential hazards and include all cases of**

- **Averted collision (classification-F)**
- **Breach of block rule coming under (classification-G).**
- **Train passing signal at danger (classification-H)**

# **ACCIDENT**

**A) AVERTED COLLISION:-** An averted collision is a circumstance under which but for the vigilance shown by any person or persons, a collision could have occurred, either in the block section or within the station limits between two trains or between a train and an obstruction.

Provided further that such an occurrence may be treated as an 'Averted Accident'.

## **EXCEPTION:**

If, outside the station limits the distance between the two trains or the train and the obstruction at the time the train or trains have finally come to a stop, is 400 meters or more.

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**B) BREACH OF BLOCK RULES:-** The following situations constitutes breach of rules'

- i. When a trains enters a block section without any authority to proceed.**
- ii. When the train enters a block section with an improper authority to proceed.**
- iii. When a train is received on a blocked line not constituting an averted collision.**
- iv. When train enters or is received on a wrong line at a station or a catch /slip siding or sand hump.**

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**C) SIGNAL PASSED AT DANGER – Passenger train passed signal at danger without proper authority and other train passed signal at danger without proper authority.**

**Reasons for signal passed at danger (SPAD) by LP**

- I. In sufficient brake power in the train.**
- II. Disobey of signals by the Loco Pilot.**
- III. Not taking sufficient rest at running room or at home.**
- IV. Train become over speed.**
- V. Loco pilot becoming over- confident.**
- VI. Over time duty /working hours**
- VII. Brake not applied at right time.**
- VIII. Signal not seen from minimum sighting distance.**
- IX. High intensity lights near signals.**
- X. Fault in the engine.**

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**4. EQUIPMENT FAILURE:-** failure of railway equipments i.e. Engine, rolling stock, permanent way, OHE, signal and telecommunication (J, K, L, M)

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

# ACCIDENT

| <u>INTERRUPTION</u>    | <u>BG-A, B, C or D spl</u> | <u>BG-D, E, Spl.</u> | <u>BG-E, or NG</u> |
|------------------------|----------------------------|----------------------|--------------------|
| <b>Total</b>           | <b>3 hours</b>             | <b>4 hours</b>       | <b>6 hours</b>     |
| <b>Or</b>              | <b>Or</b>                  | <b>Or</b>            | <b>Or</b>          |
| <b>Total + partial</b> | <b>6 hours</b>             | <b>8 hours</b>       | <b>12 hours</b>    |



THANK  
YOU

