



# ZRTI Operation Project



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# Project Topic

Duties of guard when taken over charge of a train,  
guard as incharge of train, sub-ordination of guard in  
station limits

# Duties of guard when taken over charge of a train

- ❖ Before starting with a train guard shall examine the notices issued for their guidance, and ascertain whether there is anything requiring their special attention on that section of the railway over which they have to work.
- ❖ When taking charge of train guard should walk from brake van towards the engine on one side examining the train and return to the brake van examining the other side of the train and should ensure that :
  - A. Train is properly coupled:** knuckle pin is engaged and angle cock is open.

**B. No hanging or loose part** which may affect safe operation of train

**C. Tail lamp /tail board** is attached with train and tail lamp are lighted and kept burning when required.

D. He should ascertain that **guard tool box** is having all tools and equipments as per GR 4.19 and they are in serviceable conditions. Like : **flare, 2 Red flags & 1 Green flag, detonator, tail board, LED tail lamp, Working time table, First aid kit box, a copy of GR&SR, T-609 Proforma etc**

**E. As far as possible he should ascertain that train is in a state of efficiency for travelling.**

❖ **Brake check** : Before signing the brake power certificate **pressure continuity test** must be done with the help of loco pilot as per the procedure laid down in working time table.

A. Before signing the Brake Power Certificate he also must see that SE (C&W) has made an **endorsement on the Brake Power Certificate**, certifying that the Vestibule connections, fittings and doors of all carriages / wagons are in proper working order and can be closed and fastened.

## 4. Checks in case of goods train

In case of goods train guard must ensure that:

- ❖ All wagon doors are closed or properly secured and seals are intact.
- ❖ open wagons are properly sheeted to protect inflammable or perishable goods from sparks or from rain and that heavy loads are securely fastened.
- ❖ Hand brake of wagons are in off position.
- ❖ He should also ensure that total number of vehicle and trailing load of train does not exceeds the limit prescribed in working time table.
- ❖ The wagons shown as empty in the vehicle guidance is **really empty**.
- ❖ The **heavy consignments** are **securely fastened** to ensure that they do not get shifted while on run.
- ❖ Any wagon does not appear to be overloaded or unevenly loaded on visual.
- ❖ The entries in the vehicle guidance tally with the wagons on the train

## **5. Checks in case of passenger train:**

- ❖ Guard of a passenger carrying train must ensure that the doors of the rear and front luggage van (loaded or empty) are properly **closed and locked**.
- ❖ If Assistant Guard is available on the train he will be responsible for front SLR.
- ❖ **Passenger carriages** are clean and filled with water.
- ❖ **Train, brake-van, fans and lights** are in working order.
- ❖ Guard must not permit anyone to travel in brake van without a proper authority.
- ❖ No Fire arms
- ❖ No intoxicating substances, spirits or fermented liquor
- ❖ In case of outlying sidings where no commercial staff is posted, the responsibility regarding closing of doors, rising and falling of flap door, rests with the siding holder. The Guard of the train, however shall keep a watch on this on the run.

- ❖ Proper charge is taken of luggage and parcels unless another staff is separately available for this duty.
- ❖ The Guard shall not give the signal for starting the train unless he has **received the permission** of the Station Master to start, in the manner prescribed by special instruction
- ❖ Before giving signal for starting of train Guard of a passenger carrying train must ensure himself by **visual check that passengers** have detrained and entrained
- ❖ Before departure of train guard should be in possession of duly filled and signed **GDR** ( guard driver record), a copy of **working time table** , **caution order**, **BPC**, **guard memo register (guard rough journal)** and **wagon bill** (in case of goods train).



## Duties of guard when he is incharge of train:

After the **engine has been attached to a train**, and **during the journey**, the Guard or (if there be more than one Guard) the Head Guard shall be in charge of the train in all matters affecting stopping or movement of the train for traffic purposes.

- ❖ He is responsible for **safe and comfortable journey** of passenger and safe running of train as well.
- ❖ He should **attend the complain** of passenger and rectify them.
- ❖ Perform the **duty of conductor** when none is provided.
- ❖ Watching trains on adjacent track.
- ❖ look out on curves and if any during unusual is noticed take steps to stop the train.

- ❖ The guard and the loco pilot should always **stay keep with the wireless transmission**. Guard is responsible for exchanging signal with station crew and communicate the same with the loco pilot. .
- ❖ **Loco pilot** can not proceed or take a departure from a halt/station unless until **guard grant him an authority**.
- ❖ In case of any accident guard has the **responsibility to provide first aid** help to passengers.
- ❖ In case of any emergency loco pilot will work according to **written authority of guard**.

- ❖ When a train is stopped in mid section due to accident or engine failure or obstruction or any exceptional circumstances guard must ensure that train is **protected as per GR 6.03.**
- ❖ He also **lights the flare** and set up the **detonators** on if the train has stopped because of problem or an accident.
- ❖ In case of brake of loco pilot fails, the guard can control the loco by **manual brake** provided in his cabin.

- ❖ The guard **exchanges flag or lamp signals** with stations on departure and when passing through. He also **exchange alright signal** with station masters and with the guard of train running in opposite direction.
- ❖ When a train comes to stand at a station the guard shall see that the last vehicle of train has **cleared the fouling mark**. If not he shall inform the same to station master and exhibit **a stop hand signal** to prevent any movement on fouled line.
- ❖ No Guard shall leave his train until it has been properly handed over in accordance with special instructions.

## **SUBORDINATION OF GUARDS IN STATION LIMITS.**

When a train is within station limits, the Guard shall be under the orders of the Station Master.

# Thank You