

## **CHAPTER VII**

### **TESTING OF BLOCK INSTRUMENTS.**

#### **7.1. The 'Testing' signal:**

The 'Testing' signal shall be used for the purpose of testing the block instruments.

#### **7.2. Persons authorised to test:**

- a) The Instruments and Apparatus connected with them may only be tested by SI/ESM or other authorised officials of the S&T department. 'Testing' signal shall not be exchanged unless the SI/ESM or other authorised official of the S&T department is at one end of the Block Section and the receipt of the 'Testing' signal shall be regarded as an intimation that the SI/ESM or other authorised official of the S&T department is present.
- b) Whenever any authorised person who is not competent to test the block instrument is present at one end, he may request the Station Master to test the block instrument on his behalf. The Station Master shall comply with such request and exchange testing signals with the Station Master at the other end. Both the Station Masters shall make the necessary entries in the Train Signal Register.

#### **7.3. Block Section to be clear during test:**

The block instrument and apparatus connected with them shall be tested only when the block instrument is displaying 'Line closed' condition.

#### **7.4. Procedure for Testing:**

- a) The procedure for testing single line tokenless (including ACBPS) block instruments at 'X' and 'Y' is as follows:
  - i) Assuming that the SI/ESM is at 'X', he shall first exchange testing signals with 'Y'.
  - ii) The SI/ESM shall act in accordance with the procedure laid down in para 3.2(A) or 3.3(A) as the case may be. Thereupon the SI/ESM shall take 'OFF' the Last Stop Signal at 'X'. Where block instruments are housed in the station, the SI/ESM may ask the Cabinman / Leverman in the cabin to pull the Last Stop Signal lever and advise.

- iii) The SI/ESM shall then cancel 'Line clear' in accordance with the procedure laid down in Para 3.2(B) or 3.3(B) as the case may be and again attempt to take 'OFF' Last Stop Signal at 'X' to see that it cannot be taken 'OFF'. Where block instruments are housed at the station, the SI/ESM may ask the Cabinman / Leverman in the cabin to take 'OFF' Last Stop Signal and advise.
- iv) This operation shall be repeated in the reverse direction, the Station Master at 'Y' commencing with the 'Testing' signal.
- b) Whenever the SI/ESM or any other authorised person opens the block instrument such as for restoration of block working after a failure or for maintenance work or when fixing a new instrument, he shall test the block instrument as prescribed in Para (a) above.
- c) The SI/ESM shall test the working of the Last Stop Signal during his maintenance work or while attending failures.
- d) After the 'Testing signals' are exchanged, the Station Master shall ensure that the block instrument and other appliances are restored to normal and locked and sealed, whenever required. Entries in red ink shall be made in the Train Signal Register as follows on the line immediately below the entries for last train and signed by both the SI/ESM or the other authorised official and the Station Master. The time given shall be the time when the 'Testing' signals were completed.

Time..... Block Instrument opened for .....Exchanged  
 'Testing' signals with Station Master.....station. Last Stop Signal is  
 taken 'off ' and restored to normal'.

Sd/- \_\_\_\_\_

Authorised official of the S&T department

Tested the Block Instruments and found them in order.

Sd/- \_\_\_\_\_(SM)