

## 2.5 Cancel Counter

To register the cancellation of Line Clear. It is incremented by one for every cancellation operation done which is a non-resettable type. Cancellation to be done by receiving station & CO-Op by sending station.

## 2.6 Block Telephone

For Speech Communication with SM at other end of Block Section.

## 3.0 Operations of Block Panel:

### 3.1 Method of Signaling Trains from Block Station to Block Station on an UP/DN line in a Double Line section.

- a) SM of the station intending to send a train from his station has to obtain verbal consent on block telephone or alternate means from station in advance before taking LINE CLEAR on its Block Panel. Entries of train no. to be made in registers of both stations.
- b) Before a request for IS LINE CLEAR is sent to station in advance, SM of sending station shall ensure the following near TRAIN GOING TO arrowhead on its Block Panel;
  - i) LINE CLOSED indication YELLOW &
  - ii) LINE FREE indication GREEN &
  - iii) SNK indication YELLOW.
- c) The station in advance while granting his verbal consent shall ensure the following near TRAIN COMING FROM arrowhead on its Block Panel;
  - i) LINE CLOSED indication YELLOW &
  - ii) LINE FREE indication GREEN &
  - iii) **SNK indication YELLOW &**
  - iv) SNOEK indication YELLOW

Then inserts and turns LCB key.
- d) Thereafter SM of sending station presses BELL & TRAIN GOING TO buttons.
- e) The arrowhead, TRAIN GOING TO TRAIN COMING FROM lights up green at sending/receiving station respectively.
- f) SM of sending station releases BELL & TRAIN GOING TO buttons on getting TRAIN GOING TO green indication.
- g) The sending station SM after obtaining LINE CLEAR on its Block Panel can send the train into Block Section by taking the LSS to 'OFF'. On entry of train into section, TRAIN ON LINE lights up RED at both the stations in arrowhead indication. SECTION buzzer sounds at both the stations along with ACKN indication near respective ACKN button. Pressing of ACKN button of concerned line (Despatch/Receive) will turn off the buzzer and ACKN indication.

h) The train is received at receiving station on proper reception signals. On complete arrival of train, TRAIN GOING TO TRAIN COMING FROM arrowhead indication turns to FLASHING GREEN & LINE FREE indication turns to GREEN at both the stations. TRAIN GOING TO TRAIN COMING FROM arrowhead indication continues FLASHING GREEN at sending/receiving station respectively till reception & departure signals and their controls are not at normal or LCB Key is not 'IN'. In case reception & departure signals and their controls are at normal & LCB key is IN, TRAIN GOING TO TRAIN COMING FROM arrowhead indication turns off and LINE CLOSED indication lights up YELLOW.

### **3.2 Following is the sequence of operations of signalling a train between two stations:**

The block section being clear and the 'LINE CLOSED' indication being displayed on Block Panel at both the stations. The action is taken by sending stations SM as under:

|   | Sending Station   |   | Receiving Station   |
|---|---|---|---|
| 1 | <p>Ensure LINE CLOSED indication YELLOW, SNK indication YELLOW, LINE FREE indication GREEN.</p> <p>Insert SM key &amp; turns to IN.</p> <p>b) Send 'Call Attention' signal to receiving station by pressing BELL button</p> | 2 | Acknowledges the 'Call Attention' signal by pressing BELL button  |
| 3 | Sends 'Attend Telephone' signal by pressing BELL button   | 4 | Acknowledges by pressing BELL button and attends telephone  |
| 5 | Attend telephone and advises station in advance about the intended movement of the train on telephone & ask for LINE CLEAR. Give Number and description of train and ask for Line Clear                                     | 6 | <p>a) Ensures LINE CLOSED indication YELLOW, SNK indication YELLOW, LINE FREE indicator GREEN &amp; LCB key IN &amp;</p> <p>b) Then say "LINE IS CLEAR FOR TRAIN" supported by a PN</p> |