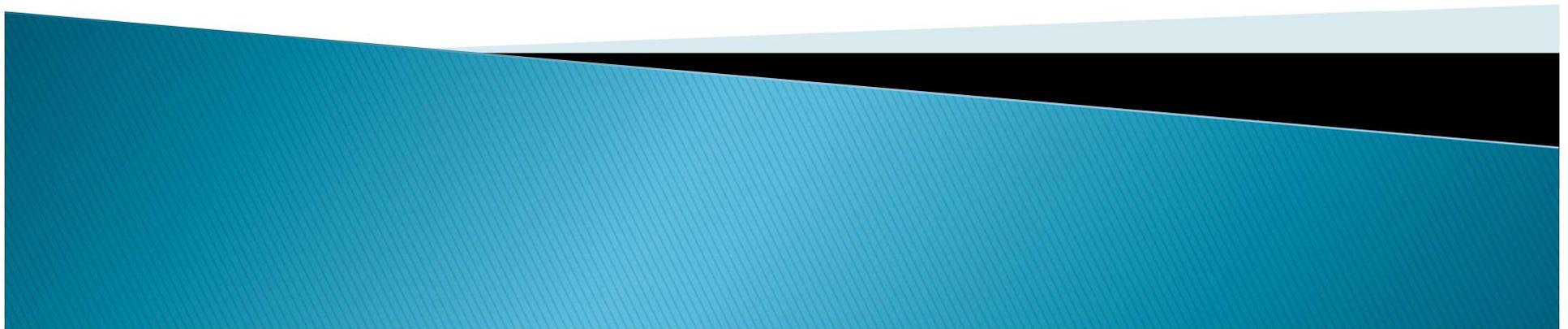


# Working in case of accident and failure of communication

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# DURING OBSTRUCTION ON DOUBLE LINE

- ▶ Introduce Temporary Single Line Working
- ▶ Between nearest stations provided with crossover between UP and DOWN line.
- ▶ If there is any Intermediate Block Hut, its working is suspended.
- ▶ If any station in between with no crossover facility, its points are set on main line and working suspended during TSL working.



- ▶ Station Master proposing Temporary S/L working shall issue a message under private numbers to the station master at the other end of the affected station and obtain Line Clear on Electrical Communication Instruments.



## ‘Authority for Temporary Single Line Working on Double Line Section’ –T/D602

- ▶ Consolidated authority to each loco pilot containing the following :-
  - i) Line Clear Ticket
  - ii) Authority to pass LSS and signals of stations temporarily suspended for working in ON position.
  - iii) Caution order with speed restrictions of 25 kmph for the first train only.
  - iv) Obligation to inform all gatemen and gang men about TSL working
  - v) Assurance that trap points ,if any, are clamped
  - vi) Information about closing of IBP, stations in between



# In the case of a train proceeding on the right line

- ▶ The LSS of the rear station of the affected section will be passed in ON position (T/D 602).
- ▶ The approach stop signals of the advance station of the affected section may be taken OFF



# In the case of a train proceeding on the wrong line

- ▶ The train shall be piloted out of the station on a written authority on form T/511 issued by the Station Master.
- ▶ On approaching the next station the Loco Pilot shall bring his train to a stop opposite the FSS pertaining to the right line or at the LSS pertaining to the wrong line, whichever he comes across first.
- ▶ The Station Master of the station in advance shall depute railway servant in uniform at the foot of the signal who shall stop the train on hand danger signal and thereafter pilot it into the station on a written authority on form T/510 issued by the Station Master



# For subsequent trains

- ▶ No caution order pertaining to speed restriction of 25 kmph.
- ▶ Right Direction Trains:-
  - T/D 602
  - T-511 not needed.
  - Reception at home signal
- ▶ Wrong Direction Trains:-
  - T/D 602
  - T-510, T-511



# Resumption of normal working

- ▶ On receipt of a written certificate from a responsible Engineering Official that the obstructed track is free and safe for passage of trains.
- ▶ Station Master shall issue a message with exchange with private numbers to resort to normal working.
- ▶ All the suspended stations in between and IBPs ,if any, shall resume normal working.
- ▶ But this will be done only after the last train working under TSL working reaches the next station.



# During obstruction on double line in Automatic Block System

- ▶ Here, all train movement in one direction is first authorized by Sr. DOM
- ▶ Receive track safe certificate,
- ▶ TSL introduced by wrong direction train,
- ▶ Authorities for wrong direction trains:
  - i) PLCT + T/B 912+ caution order
  - ii) 25/10/15 kmph speed restrictions
- ▶ At next nominated station reception by piloting
- ▶ After arrival of one train , line clear taken for 2<sup>nd</sup> train.



# Authorized means of communications

In order of preference

1. Block Instruments; Track circuiting or Axle Counters;
  2. Telephones attached to the Block Instruments;
  3. Station to station fixed telephones wherever available;
  4. Fixed telephone such as Railway Auto-phones & BSNL phones.
  5. Control Telephone;
  6. VHF sets;
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# Failure of Communication on Double Line

- ▶ Receive track safe certificate
- ▶ Rules and Regulations for working of trains during total interruption of communications on single line
- ▶ Loco Pilots of trains, including light engines, shall be given a Caution Order
- ▶ Introduce Temporary Single Line Working



# Total interruption of communications on single line

- ▶ Use of vehicles to get Line Clear
- ▶ With a consolidated authority T/B 602 containing:–
  - Authority to proceed without line clear
  - Caution order with speed restrictions
  - Authority to pass LSS in ON position
  - Line Clear Inquiry Message
  - Conditional Line Clear Message



## DURING OBSTRUCTION ON SINGLE LINE / BOTH LINES ON DOUBLE LINE

- ▶ Loco Pilot given Authority to Proceed without Line Clear for Relief Trains
- ▶ Speed of the Train 15/10 kmph
- ▶ If second train need to be sent, speed restriction @ 8 kmph.
  
- ▶ When both lines are obstructed, relief trains can be sent in each of the lines but restricted to one train per line.



THANK YOU

