

Module 07

Overlaps

- Adequate Distance
- Signal overlap
- Block overlap
- Sand hump

Adequate Distance

- **GR 1.02 (2)**, Adequate Distance means the distance sufficient to ensure safety.
- This is the length of track in advance of a signal which must be kept clear before the signal next in rear can be taken off.

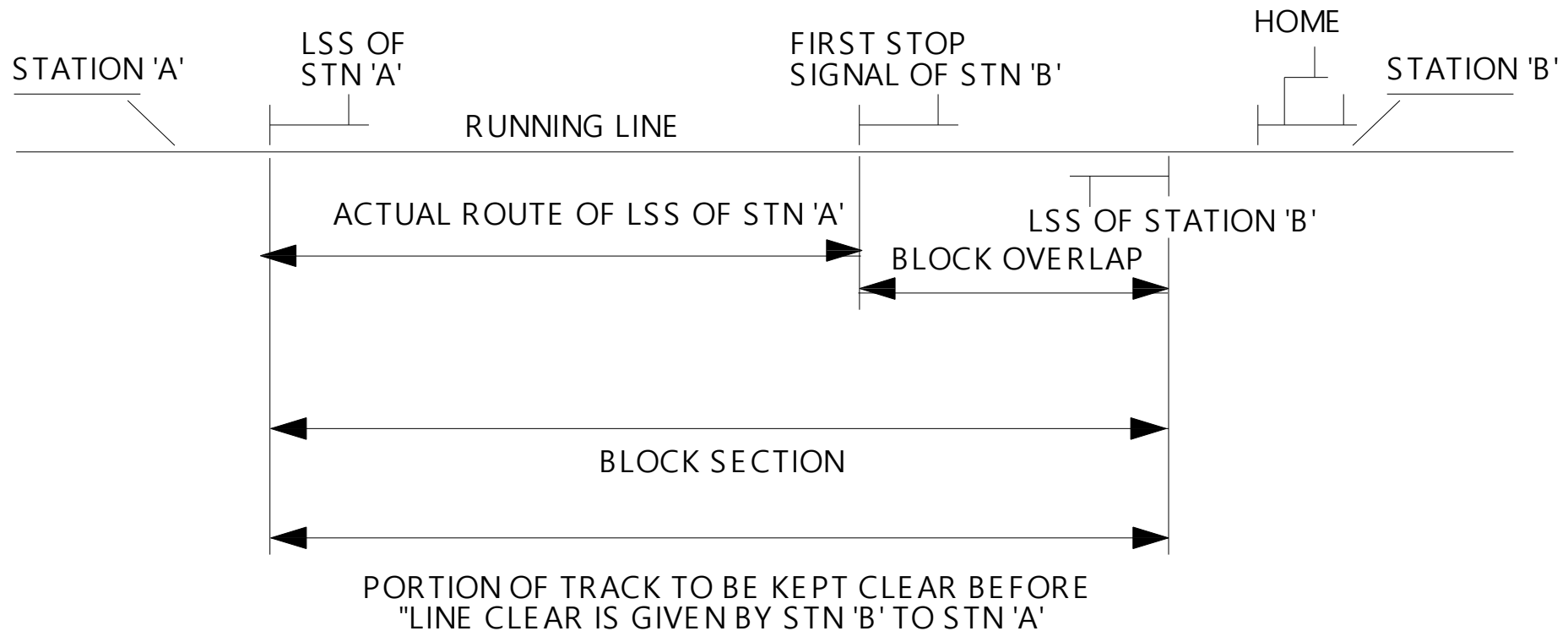
Adequate Distance

Conditions for taking off various Stop Signals reflect this requirement:

- **GR 3.40:** The **Home signal** shall not be taken off unless,
- On a double line the line is clear for an adequate distance beyond the starter, or
- On a single line, line is clear for an adequate distance beyond the trailing points.
- (except at a terminal station or unless the train has been brought to a stop in rear of it)

Adequate Distance

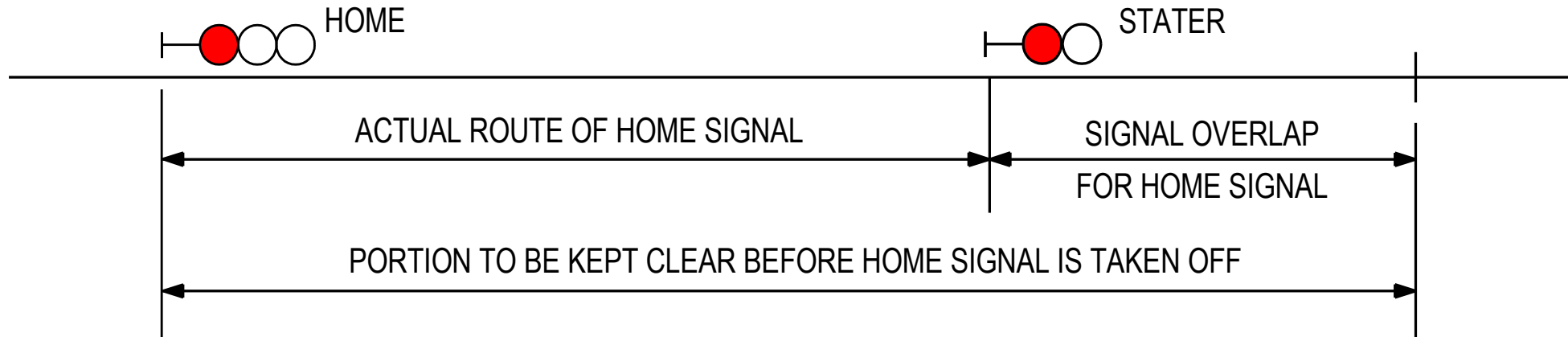
- **GR 3.42:** The **LSS** or IBS shall not be taken OFF for a train unless Line Clear has been obtained from the block station in advance



Adequate Distance

- **GR 9.01(c) (i):** The (automatic) signal shall not assume off aspect unless the line is clear not only upto the next Stop signal in advance but also for an adequate distance beyond it
- A Stop Signal shall not display Off aspect unless the line is clear not only upto the next (stop) signal but also an adequate distance beyond it.
- **In other words,** The length of track in advance of a stop signal, which should be kept clear before the (stop) signal next in rear can be taken off is known as adequate distance.
- **Important:** This condition does not apply for Home signal at terminal stations and also if the train has been brought to a stop outside the home signal.

Signal Overlap

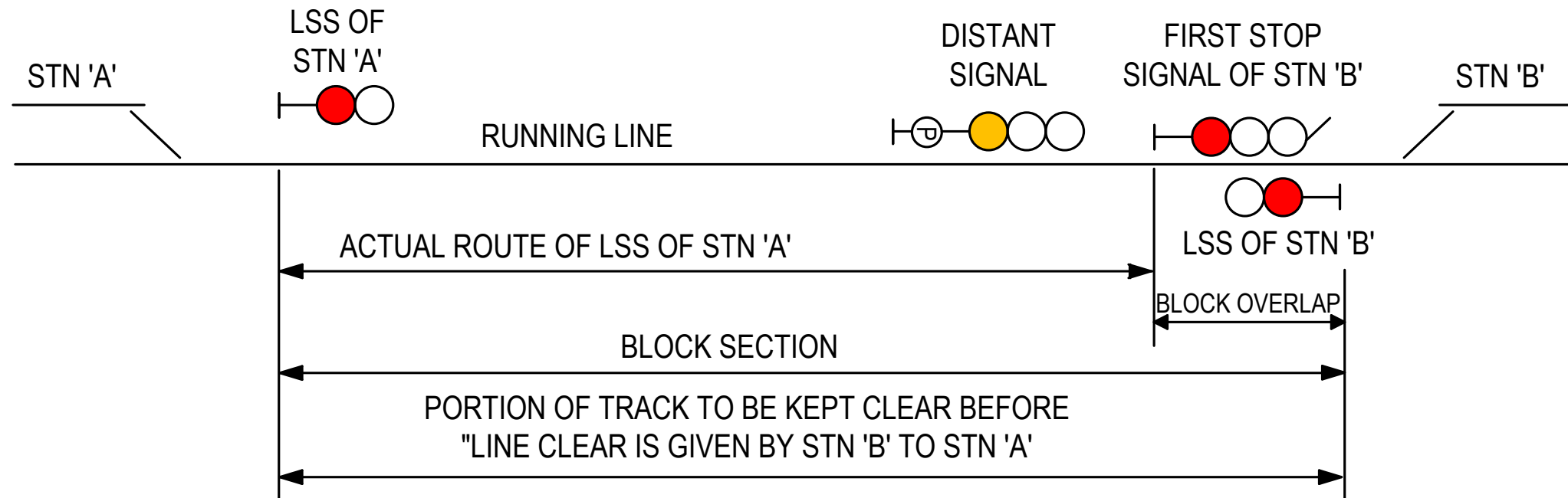


Signal Overlap

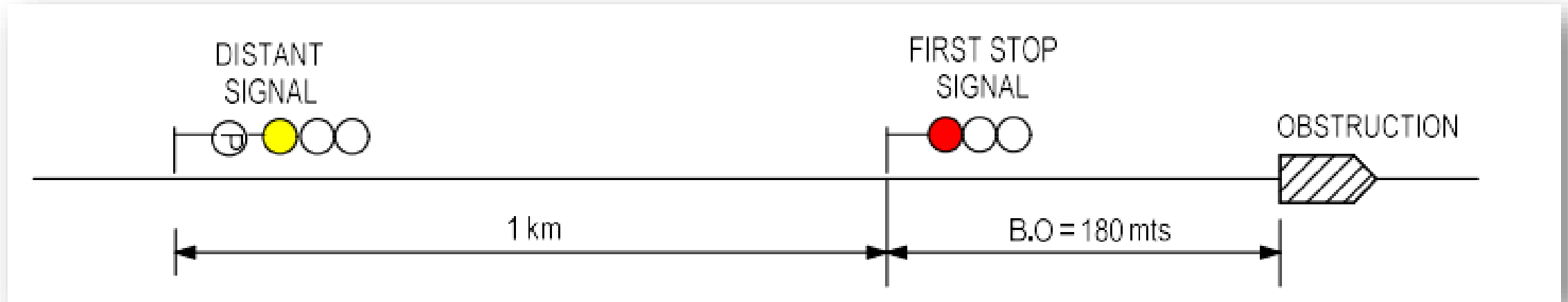


Signal Overlap in MAS

Block overlap

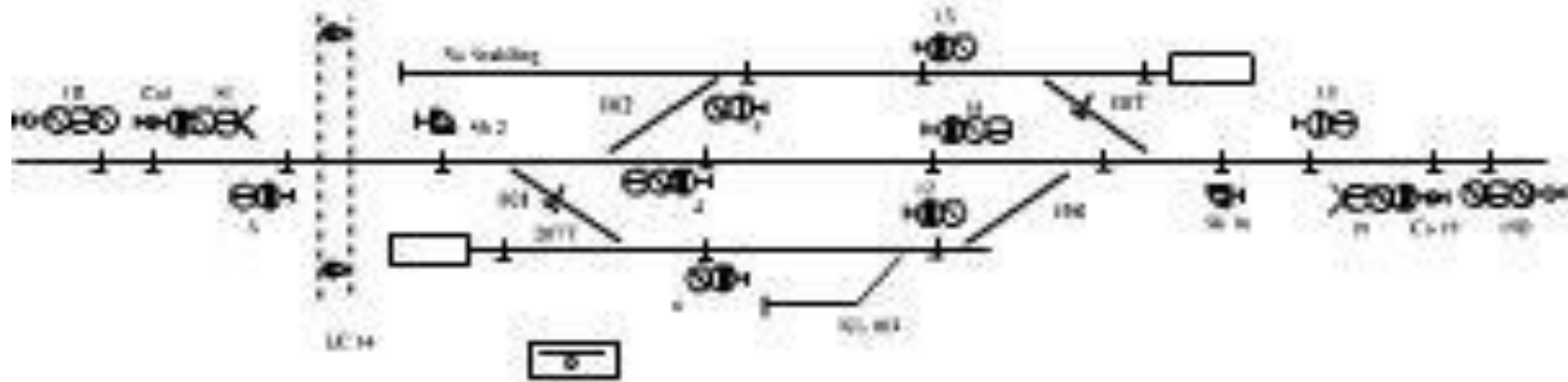


Block overlap



Block Overlap in MAS

Sand hump



Sand hump





THANK
YOU



Qs..????.