

TrackStatusManagement

Unknown

Sweepable

Non-Sweepable

Occupied

TSAoccupy()

occupied

TSArelease() / snd: TSArelease() to Route manager

TSAunknown() [CommunicationSession.sessionTimer==0 && train is not completely located inside an Active Shuting Area]

TSAoccupy() [TrainData.L_TRAIN!=TrainLength (+-tolerance)] /update extent

TSAoccupy() [TrainData.L_TRAIN==TrainLength (+-tolerance)]

TSAunknown() [CommunicationSession.sessionTimer==0 && train is completely located inside an Active Shuting Area]

releaseTSA() (from TMS) [extent>0] / snd: TSArelease() to Route manager

[conflict with other train movements] go to a safe state

[extent<Configurable_Minimum_Length && TSA does not protect the front end of a train at Start of Mission]

releaseTSA() (from TMS) [extent==0] / snd: TSArelease() to Route manager

