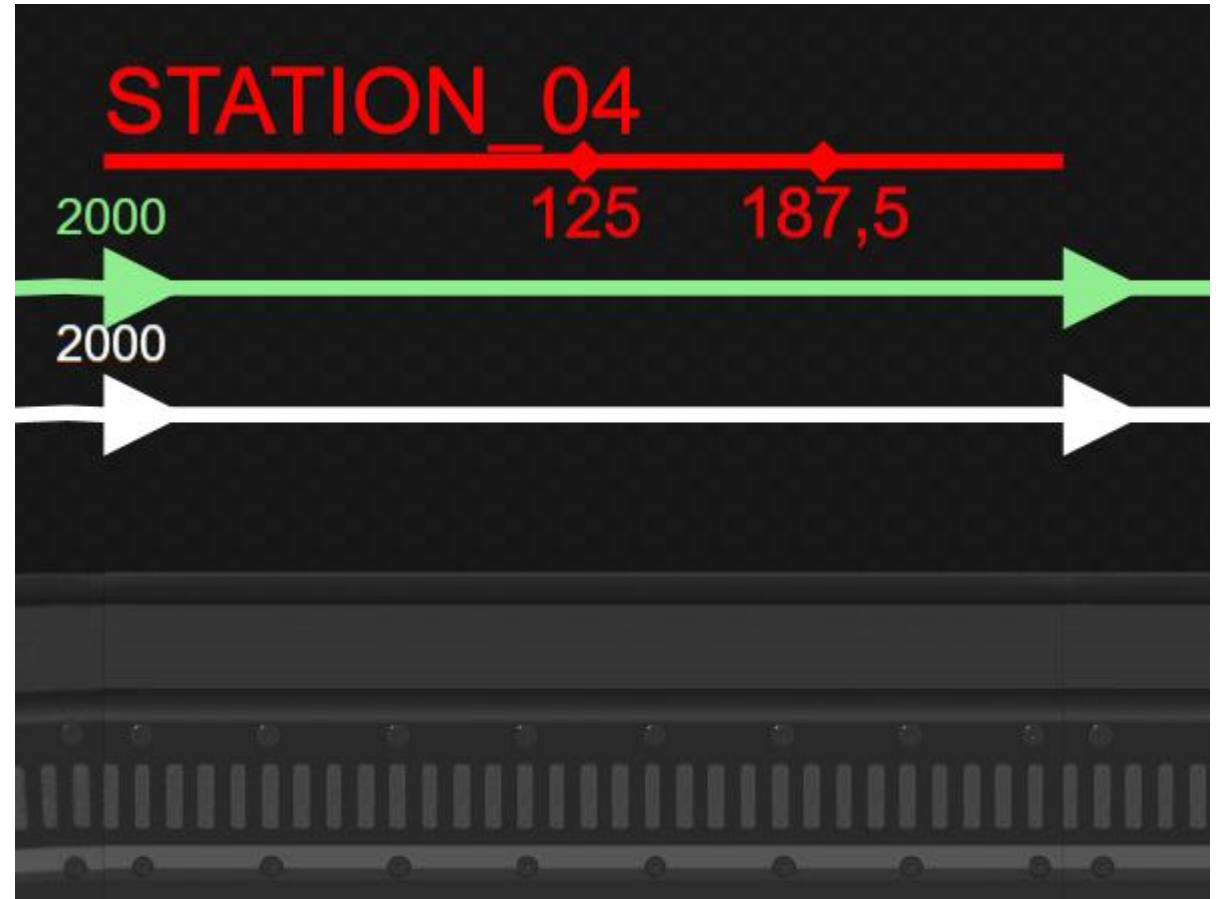


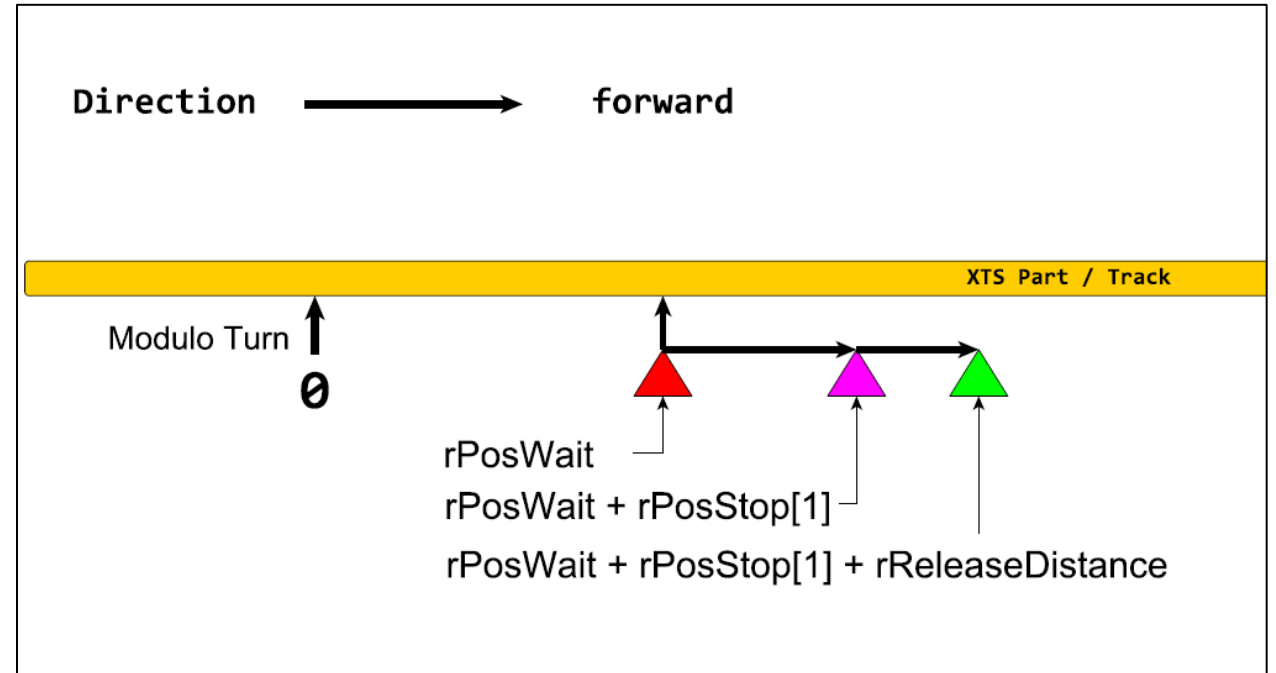
- Station based approach
- Example of a closed loop XTS:
 - **PROCESS** may have multiple stations
 - **STATION** may have multiple nests
 - **NEST** is a stop position for a mover



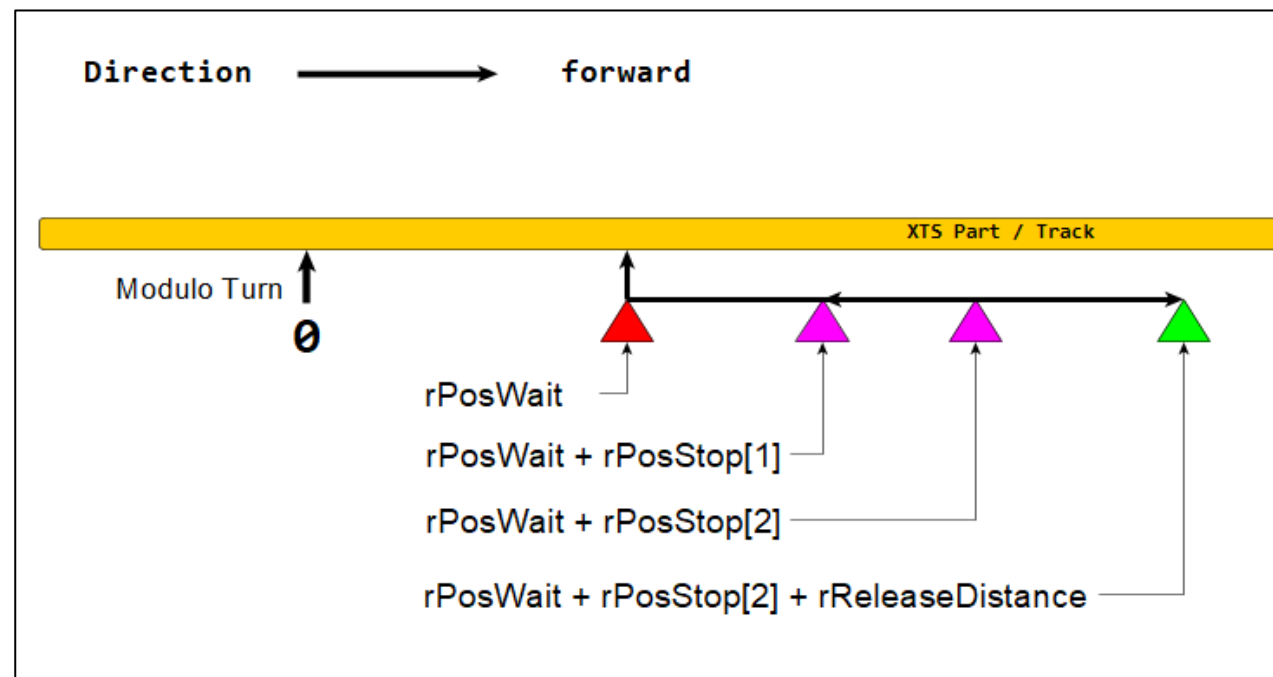
- Station based approach
- STATION geometry:
 - **WaitPos**: a position on the track where the station starts, and any other station may send a mover to.
 - **StopPos**: 1 to 8 possible **relative** positions a mover may stop at.
 - **ReleaseDistance**: distance a mover has to travel to logically leave a station.



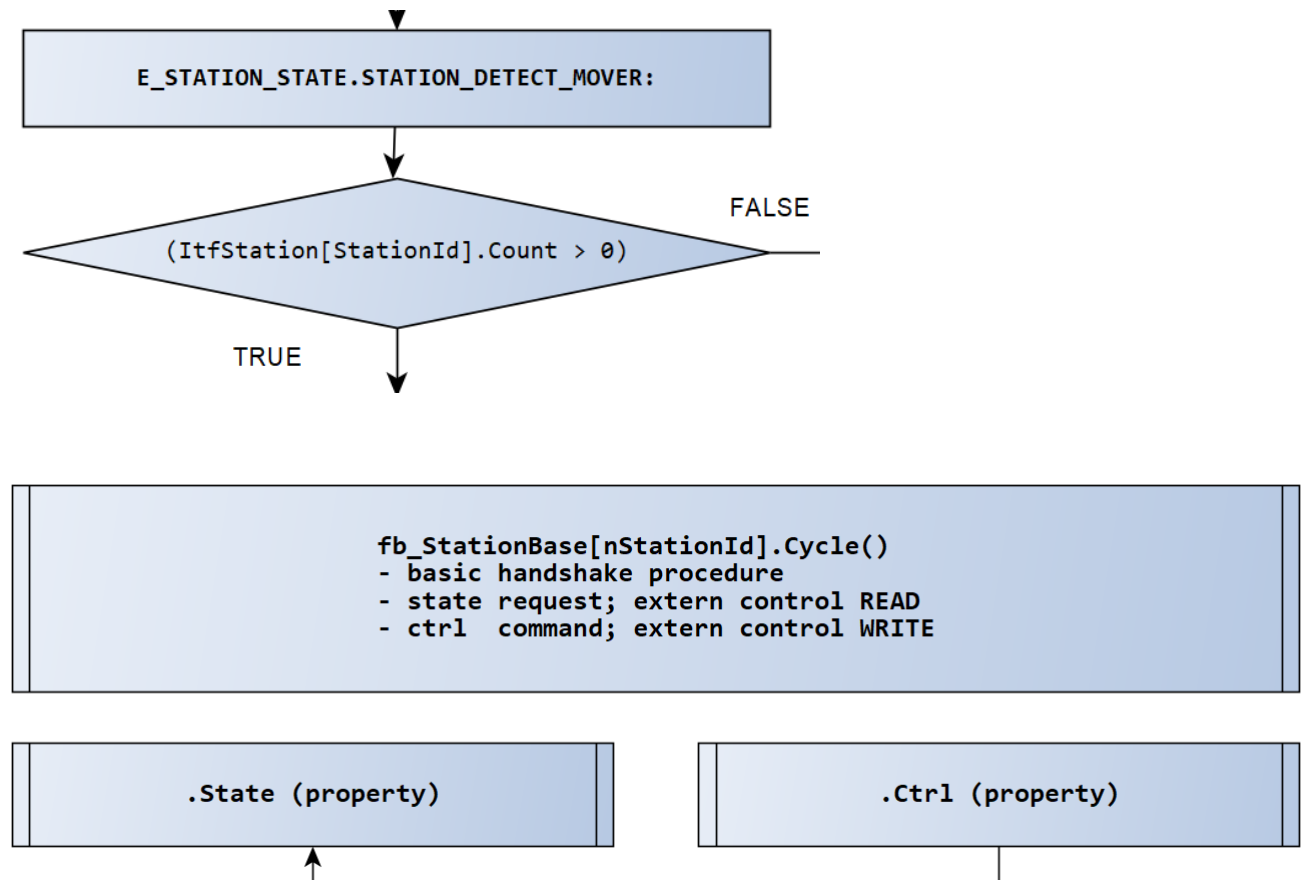
- **Station based approach**
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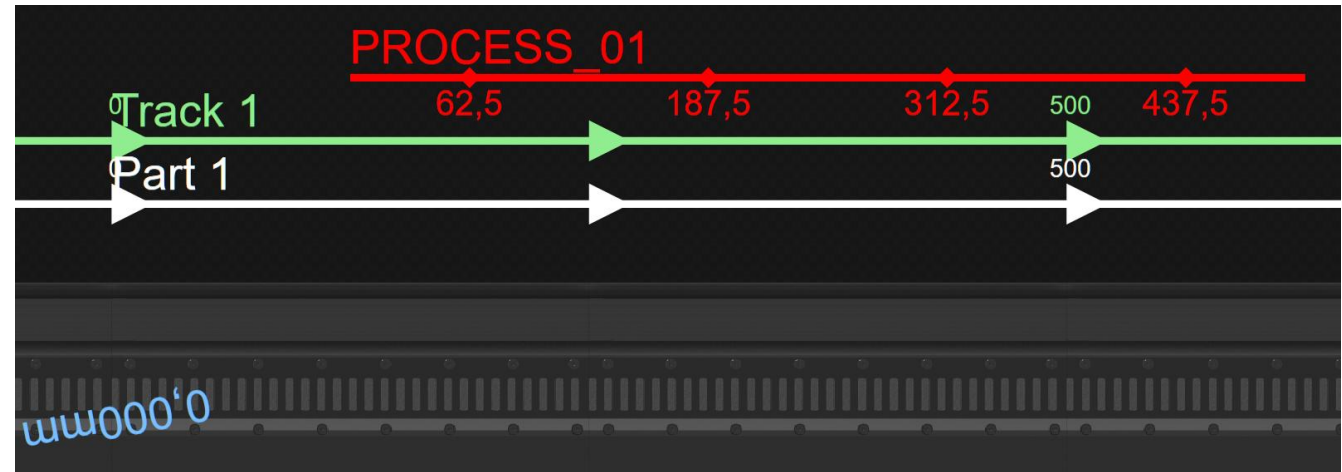
- **Station based approach**
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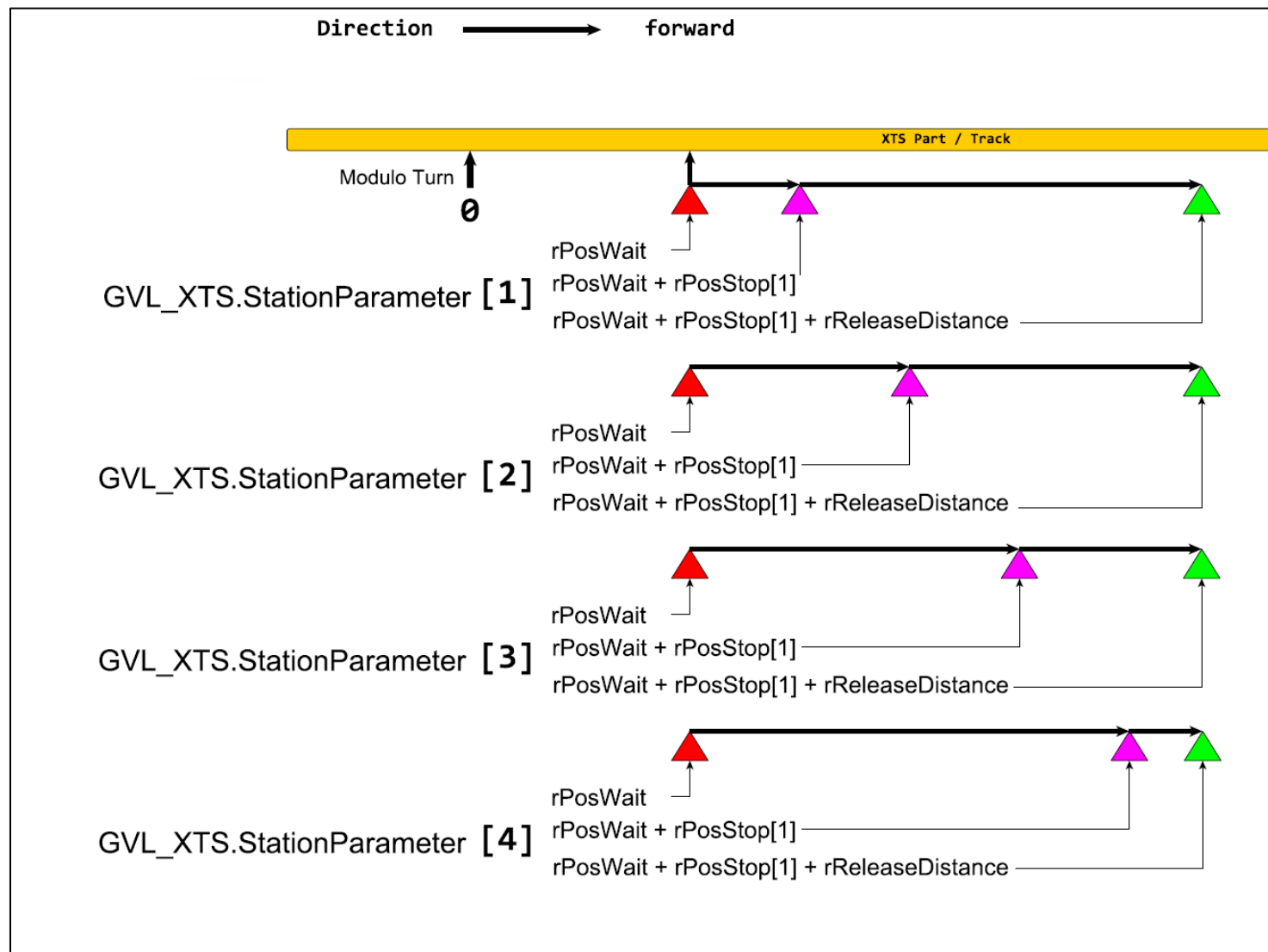
- **Station based approach**
- **STATION operation:**
 - **StationList:** a list in which a sending stations writes the mover ticket for this station. Station checks its own list cyclically and reports detection of a new mover.
 - **StationCtrl:** control struct to command station
 - **StationState:** state information you have to react to.



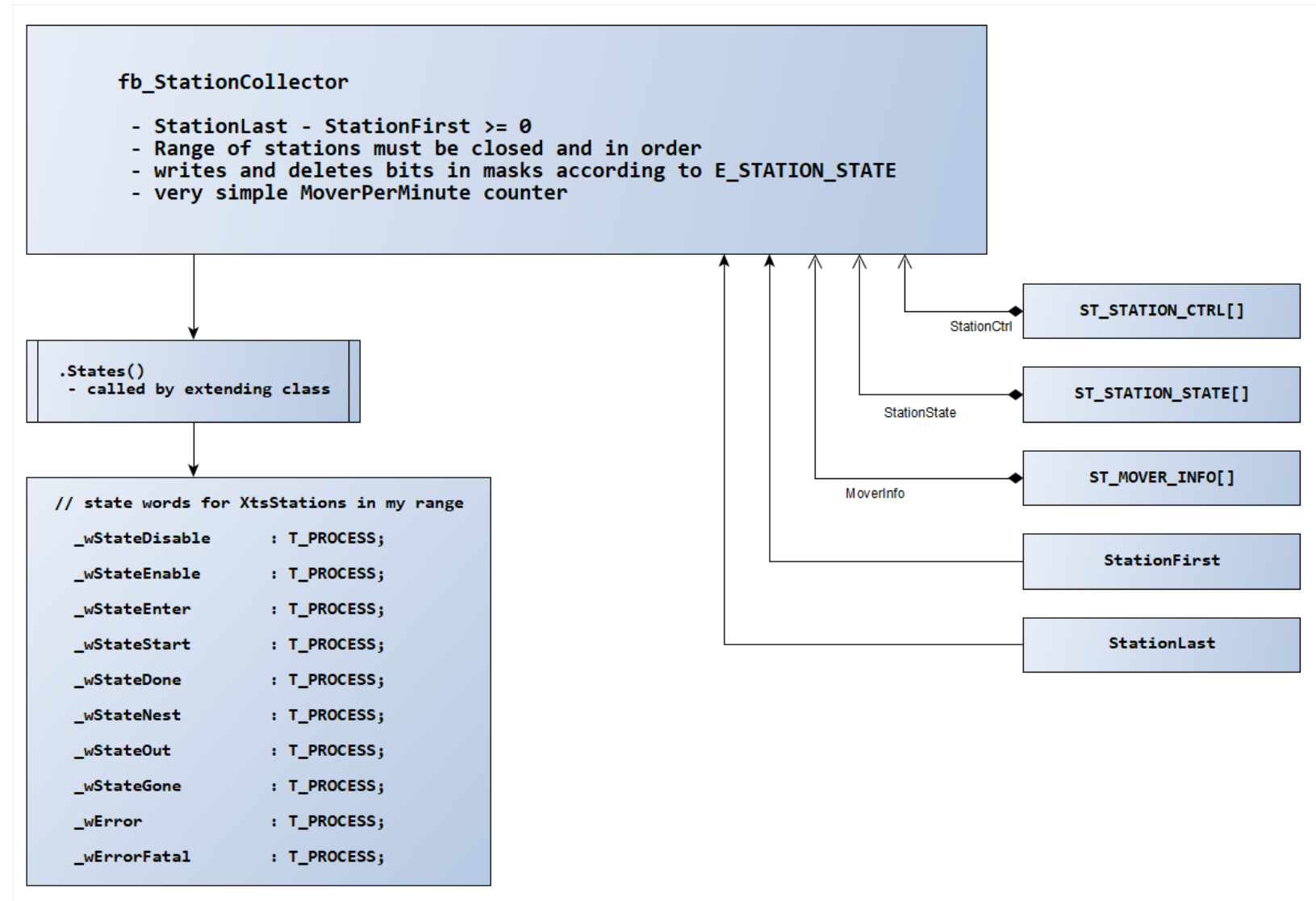
- **Station based approach**
- **PROCESS:**
 - may have one or many stations
 - works stations simultaneously
 - may mute stations
 - Stations in processes may have multiple nests



- **Station based approach**
- **PROCESS:**
 - may have one or many stations
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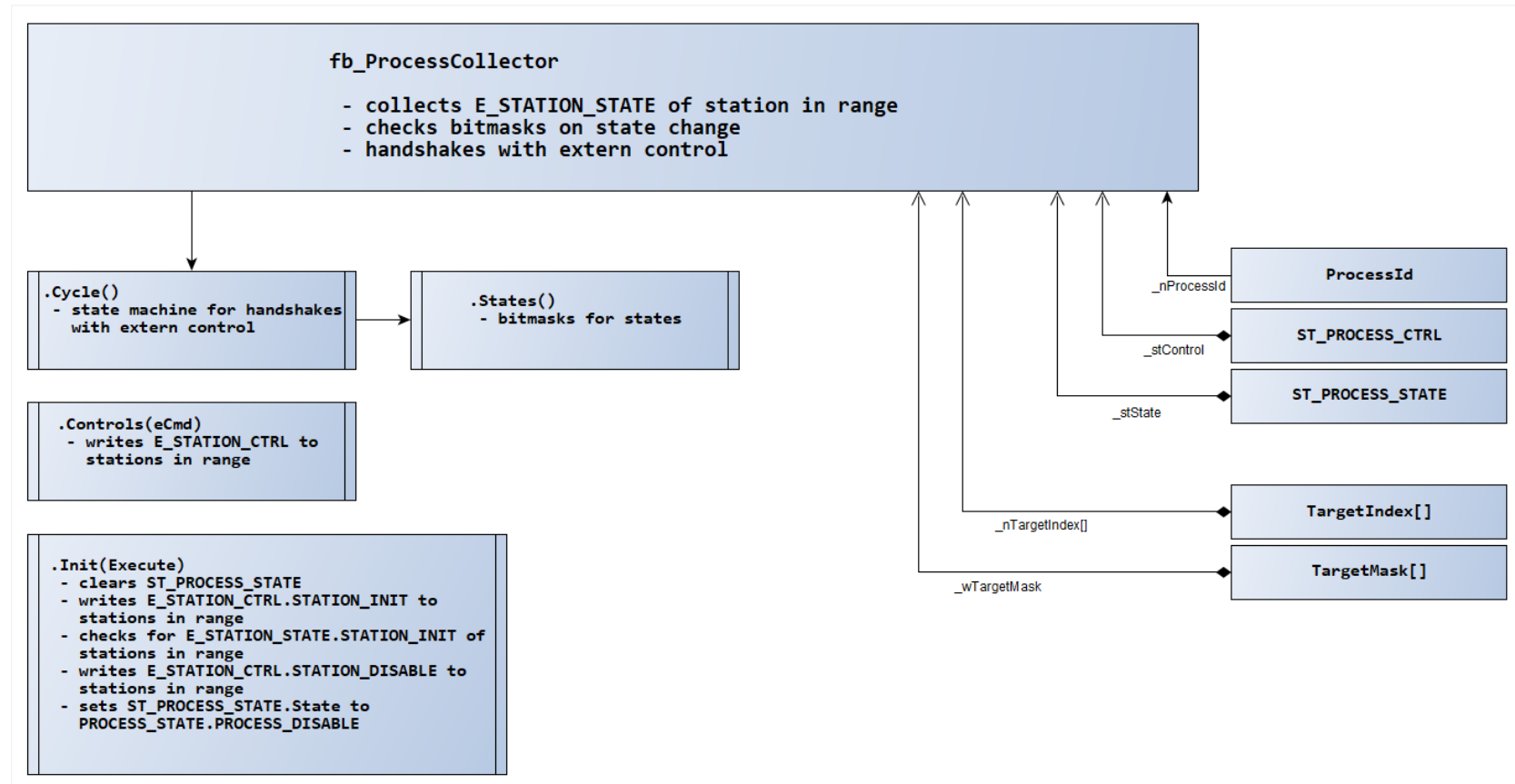
- Station based approach
- **PROCESS:**
 - collects information from the stations.



▪ Station based approach

▪ PROCESS:

- commands stations via dedicated structures



XTS_TRANSPORT_LAYER project

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