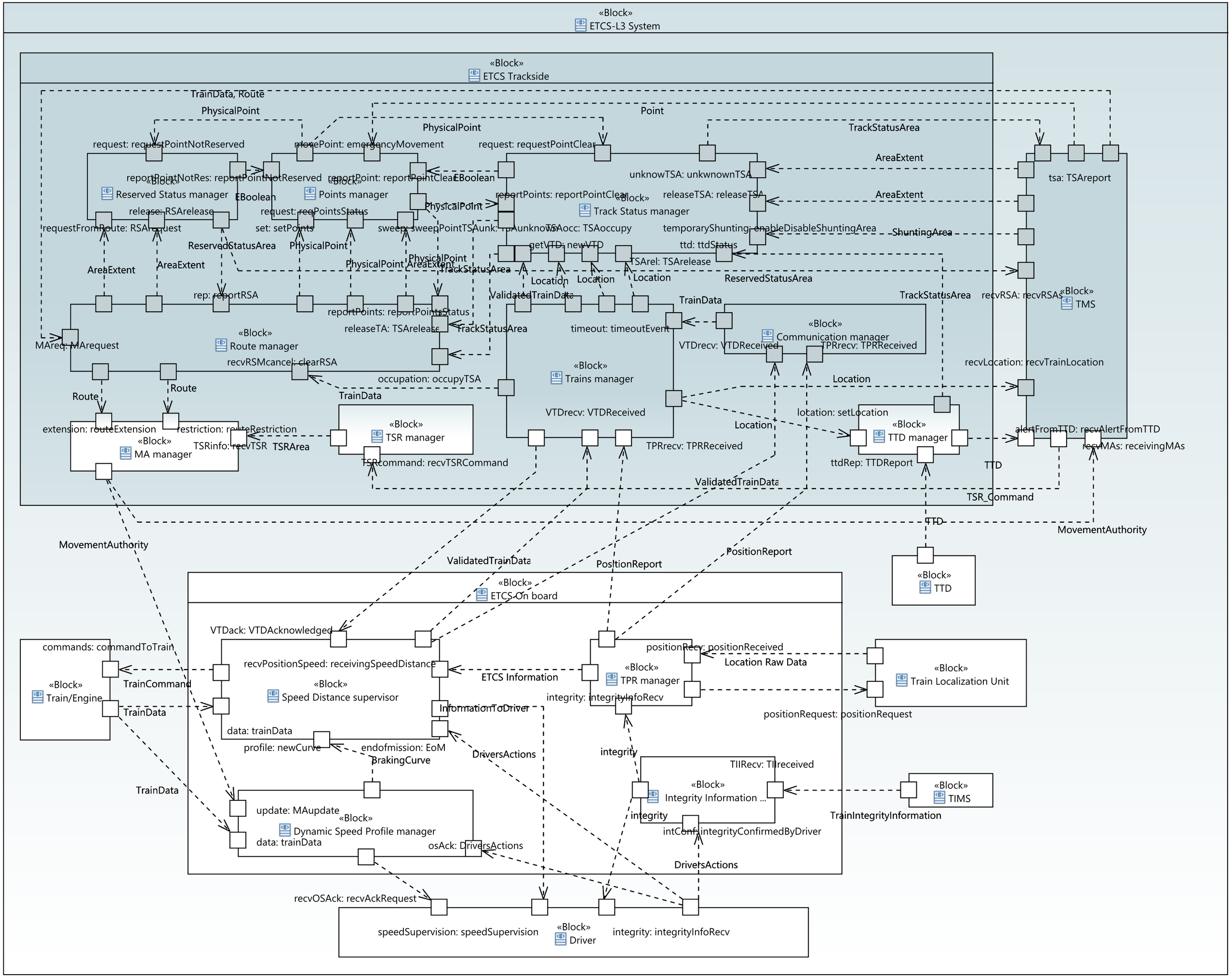
«Block»
ETCS-L3 System
«Block»
ETCS Trackside
TrainData, Route
PhysicalPoint
Point
PhysicalPoint
TrackStatusArea
request: requestPointNotReserved
movePoint: emergencyMovement
request: requestPointClear
AreaExtent
reportPointNotRes: reportPointNotReserved
reportPoint: reportPointClear
EBoolean
unknowTSA: unkwnownTSA
tsa: TSAreport
«Block»
Reserved Status manager
EBoolean
«Block»
Points manager
reportPoints: reportPointClear
«Block»
Track Status manager
releaseTSA: releaseTSA
AreaExtent
release: RSArelease
request: reqPointsStatus
PhysicalPoint
requestFromRoute: RSArequest
set: setPoints
sweep: sweepPointTSAunk: TSAunknowTSAocc: TSAoccupy
temporaryShunting: enableDisableShuntingArea
ShuntingArea
ReservedStatusArea
PhysicalPoint
getVTD: newVTD
ttd: ttdStatus
PhysicalPoint
PhysicalPoint
AreaExtent
TSArel: TSArelease
AreaExtent
TrackStatusArea
Location
Location
Location
ReservedStatusArea
rep: reportRSA
ValidatedTrainData
TrainData
TrackStatusArea
recvRSA: recvRSAs
«Block»
TMS
reportPoints: reportPointsStatus
releaseTA: TSArelease
TrackStatusArea
timeout: timeoutEvent
«Block»
Communication manager
MArec: MArequest
«Block»
Route manager
VTDrecv: VTDReceived
TPRrecv: TPRReceived
recvRSMcancel: clearRSA
«Block»
Trains manager
recvLocation: recvTrainLocation
occupation: occupyTSA
Location
Route
Route
TrainData
VTDrecv: VTDReceived
location: setLocation
«Block»
TTD manager
extension: routeExtension
restriction: routeRestriction
«Block»
TSR manager
Location
alertFromTTD: recvAlertFromTTD
«Block»
MA manager
TSRinfo: recvTSR
TSRArea
TPRrecv: TPRReceived
recvMAs: receivingMAs
TSRcommand: recvTSRCommand
ttdRep: TTDReport
TTD
ValidatedTrainData
TSR_Command
TTD
MovementAuthority
MovementAuthority
ValidatedTrainData
PositionReport
PositionReport
«Block»
TTD
«Block»
ETCS On board
VTDack: VTDAcknowledged
commands: commandToTrain
positionRecv: positionReceived
Location Raw Data
recvPositionSpeed: receivingSpeedDistance
«Block»
Train Localization Unit
«Block»
Train/Engine
TrainCommand
«Block»
Speed Distance supervisor
ETCS Information
«Block»
TPR manager
integrity: integrityInfoRecv
TrainData
InformationToDriver
positionRequest: positionRequest
data: trainData
profile: newCurve
endofmission: EoM
BrakingCurve
DriversActions
integrity
TIIRecv: TIIreceived
TrainData
«Block»
Integrity Information ...
«Block»
TIMS
update: MAupdate
«Block»
Dynamic Speed Profile manager
integrity
TrainIntegrityInformation
data: trainData
osAck: DriversActions
intConf: integrityConfirmedByDriver
DriversActions
recvOSAck: recvAckRequest
speedSupervision: speedSupervision
«Block»
Driver
integrity: integrityInfoRecv