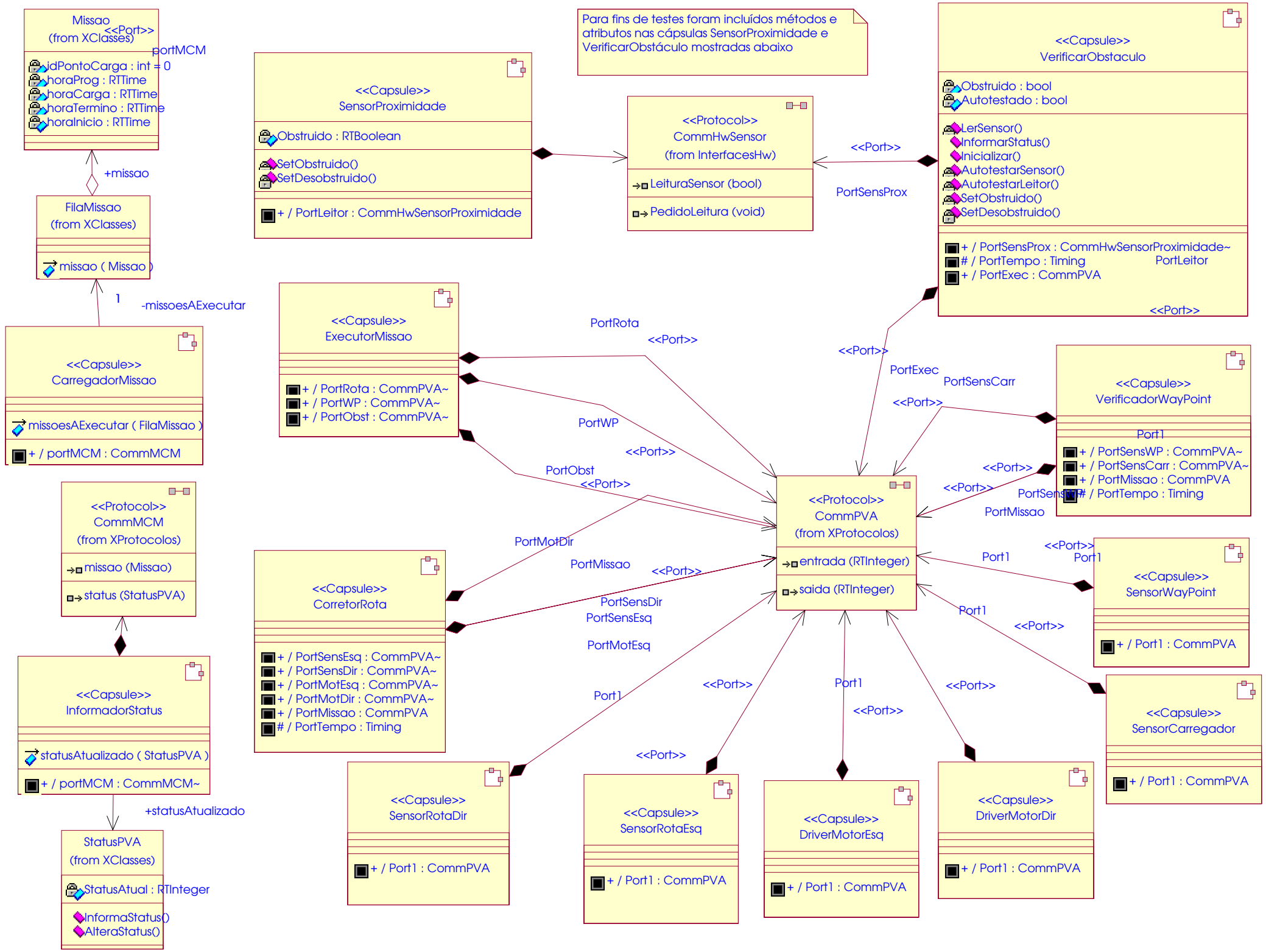
Missao
<<Port>>
(from XClasses)
idPontoCarga : int = 0
horaProg : RTTime
horaCarga : RTTime
horaTermino : RTTime
horaInicio : RTTime
portMCM
+missao
FilaMissao
(from XClasses)
missao (Missao)
1
-missoesAExecutar
<<Capsule>>
CarregadorMissao
missoesAExecutar (FilaMissao)
+ / portMCM : CommMCM
<<Protocol>>
CommMCM
(from XProtocolos)
missao (Missao)
status (StatusPVA)
<<Capsule>>
InformadorStatus
statusAtualizado (StatusPVA)
+ / portMCM : CommMCM~
+statusAtualizado
StatusPVA
(from XClasses)
StatusAtual : RTInteger
InformaStatus()
AlteraStatus()
<<Capsule>>
SensorProximidade
Obstruido : RTBoolean
SetObstruido()
SetDesobstruido()
+ / PortLeitor : CommHwSensorProximidade
Para fins de testes foram incluídos métodos e atributos nas cápsulas SensorProximidade e VerificarObstáculo mostradas abaixo
<<Protocol>>
CommHwSensor
(from InterfacesHw)
LeituraSensor (bool)
PedidoLeitura (void)
<<Port>>
PortSensProx
<<Capsule>>
VerificarObstaculo
Obstruido : bool
Autotestado : bool
LerSensor()
InformarStatus()
Inicializar()
AutotestarSensor()
AutotestarLeitor()
SetObstruido()
SetDesobstruido()
+ / PortSensProx : CommHwSensorProximidade~
# / PortTempo : Timing
+ / PortExec : CommPVA
PortLeitor
<<Port>>
<<Capsule>>
ExecutorMissao
+ / PortRota : CommPVA~
+ / PortWP : CommPVA~
+ / PortObst : CommPVA~
PortRota
<<Port>>
PortWP
<<Port>>
PortObst
<<Port>>
PortExec
<<Port>>
PortSensCarr
<<Port>>
<<Capsule>>
VerificadorWayPoint
Port1
+ / PortSensWP : CommPVA~
+ / PortSensCarr : CommPVA~
+ / PortMissao : CommPVA
# / PortTempo : Timing
<<Port>>
<<Port>>
PortSensWP
PortMissao
<<Protocol>>
CommPVA
(from XProtocolos)
entrada (RTInteger)
saida (RTInteger)
PortMotDir
PortMissao
<<Port>>
<<Capsule>>
CorretorRota
+ / PortSensEsq : CommPVA~
+ / PortSensDir : CommPVA~
+ / PortMotEsq : CommPVA~
+ / PortMotDir : CommPVA~
+ / PortMissao : CommPVA
# / PortTempo : Timing
PortSensDir
PortSensEsq
PortMotEsq
Port1
<<Port>>
<<Port>>
Port1
<<Capsule>>
SensorWayPoint
+ / Port1 : CommPVA
Port1
<<Port>>
<<Capsule>>
SensorCarregador
+ / Port1 : CommPVA
Port1
<<Port>>
<<Port>>
Port1
<<Port>>
<<Port>>
<<Capsule>>
SensorRotaDir
+ / Port1 : CommPVA
<<Capsule>>
SensorRotaEsq
+ / Port1 : CommPVA
<<Capsule>>
DriverMotorEsq
+ / Port1 : CommPVA
<<Capsule>>
DriverMotorDir
+ / Port1 : CommPVA