```
{smacc::ISmaccClientBehavior
   |- stateMachine_

    currentState

  - currentOrthogonal
  |+ ISmaccClientBehavior()
  + ~ISmaccClientBehavior()
  + getStateMachine()
  + getName()
  + requiresClient()
  + requiresComponent()
   + getNode()
  # runtimeConfigure()
  # onEntry()
  # onExit()
  # postEvent()
  # postEvent()
  # getCurrentState()
  # executeOnEntry()
  # executeOnExit()
  # dispose()
  - onOrthogonalAllocation()
                 }
{smacc::SmaccAsyncClientBehavior
|- onEntryThread

    onExitThread

    postFinishEventFn

- postSuccessEventFn_

    postFailureEventFn

                                             {smacc::ISmaccUpdatable
onFinished_
                                             - periodDuration
- onSuccess_
                                             - lastUpdate

    onFailure

                                             |+ ISmaccUpdatable()
|+ onOrthogonalAllocation()
                                             + ISmaccUpdatable()
+ ~SmaccAsyncClientBehavior()
                                             + executeUpdate()
+ onSuccess()
                                             + setUpdatePeriod()
+ onFinished()
                                             # update()
+ onFailure()
                                                          }
# executeOnEntry()
# executeOnExit()
# postSuccessEvent()
# postFailureEvent()
# dispose()
                  }
                     {cl_move_group_interface
                       ::CbMoveEndEffectorTrajectory
                     + group
                     + tipLink
                     + allowInitialTrajectoryState
                     JointDiscontinuity_
                     # endEffectorTrajectory_
                     # movegroupClient_
                     # beahiorMarkers

    markersPub

                     markersInitialized_
                     iksrv
                     - m_mutex

    postJointDiscontinuityEvent

    postIncorrectInitialState

                     - postMotionExecutionFailure
                     Events

    autocleanmarkers

                     |+ CbMoveEndEffectorTrajectory()
                     + CbMoveEndEffectorTrajectory()
                     + onOrthogonalAllocation()
                     + onEntry()
                     + onExit()
                     + update()
                     # computeJointSpaceTrajectory()
                     # executeJointSpaceTrajectory()
                     # generateTrajectory()
                     # createMarkers()
                     # getCurrentEndEffectorPose()
                     - initializeROS()
                        {cl_move_group_interface
                          ::CbCircularPivotMotion
                        + angularSpeed rad s
                        + linearSpeed m s
                        + relativeInitialPose_
                       # planePivotPose_
                       # deltaRadians
                       |+ CbCircularPivotMotion()
                        + CbCircularPivotMotion()
                        + CbCircularPivotMotion()
                        + generateTrajectory()
                        + createMarkers()

    computeCurrentEndEffector

                       PoseRelativeToPivot()
                                     }
                         {cl_move_group_interface
                           ::CbEndEffectorRotate
                         ||+ CbEndEffectorRotate()
                         + ~CbEndEffectorRotate()
```

+ onEntry()