```
{smacc2::SmaccEventGenerator
i- ownerState
- ISmaccStateMachine
                                       {smacc2::ISmaccUpdatable
                                       - periodDuration
|+ SmaccEventGenerator()
+ ~SmaccEventGenerator()
+ onStateAllocation()
+ onEntry()
+ onExit()
+ postEvent()
+ postEvent()
                                       # update()
+ initialize()
+ onInitialized()
```

|+ mode postEventA - postEventB - postEventC - evAMin evAMax - evBMin - evBMax - evCMin - evCMax minValue - maxValue

+ onEntry()

+ update()

```
- lastUpdate
                |+ ISmaccUpdatable()
                + ISmaccUpdatable()
                + executeUpdate()
                + setUpdatePeriod()
{smacc2::state reactors
 ::EgRandomGenerator
|+ EgRandomGenerator()
+ onStateAllocation()
+ postRandomEvents()
```