

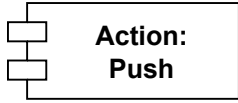
Target entity position ascent

Target entity between end-of-effector

Target entity movement

Object proximity verification

Workspace trajectory compliance



Target entity lateral position movement

Target entity contact with end-of-effector

Target entity final position verification

Object proximity verification

Workspace trajectory compliance



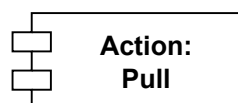
Target entity position descent

Target entity in target position

Target entity movement

Object proximity verification

Workspace trajectory compliance



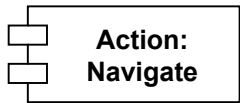
Target entity lateral position movement

Target entity contact with end-of-effector

Target entity final position verification

Object proximity verification

Workspace trajectory compliance

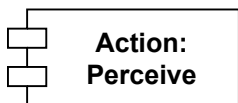


Start-point verification

End-point verification

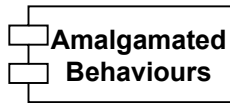
Entity collision

Operation zone verification



Object proximity verification

Environment condition



Pick-place task

Pick-carry task

Navigate-perceive task

Place-pick task

Navigate-pick task