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mint.elevator3.td.11

Version 1.0.0

```
Create( axis, from stop, to stop )
                                                 Initializing
 From stop, To stop, Axis = in.from stop, in.to stop, in.axis
 Total distance = From stop.Location.distance( To stop.Location )
 motion spec .= /R.../Motor Specification
 crawl distance = motion spec.Min crawl distance
 brake distance = motion spec/Braking Spec( Speed : Travel speed ).Braking distance
  load in transit = /R../Load
  if (Forward) {
    Start of crawl = To stop.Location - crawl distance
   Apply brakes = Start of crawl - brake distance
SIO.Announce crawl position beyond( load: load in transit )
    SIO.Announce brake position beyond( load: load in transit )
   else {
    Start of crawl = To stop.Location + crawl distance
    Apply brakes = Start of crawl + brake distance
   SIO.Announce crawl position before( load: load in transit ) SIO.Announce brake position before( load: load in transit )
 Travel speed = motion spec/Speed Indication( Low distance , High distance: Total distance |<>|) SIO.Set speed( motor: /R.../Motor )
  SIO.Announce at cruise speed( motor: /R../Motor, speed: Speed setting )
  Load moving -> me
                                                             Load moving
                                      RAMPING UP TO CRUISE
                                                           Load at cruise speed
                                            AT CRUISE SPEED
                                                           Crawl position reached
                                      SLOWING TO CRAWL
SIO.Set speed( motor : /R../Motor, speed : /R../Motor Specification.Crawl speed ) SIO.Announce at crawl speed( motor: /R.../Motor.ID, speed: Speed setting )
                                                           Brake position reached
                                                 BRAKING
  SIO.Brake( motor: ... )
                                                             Load stopped
                                                Completing
  CLIENT.Move complete( load: load id )
```



