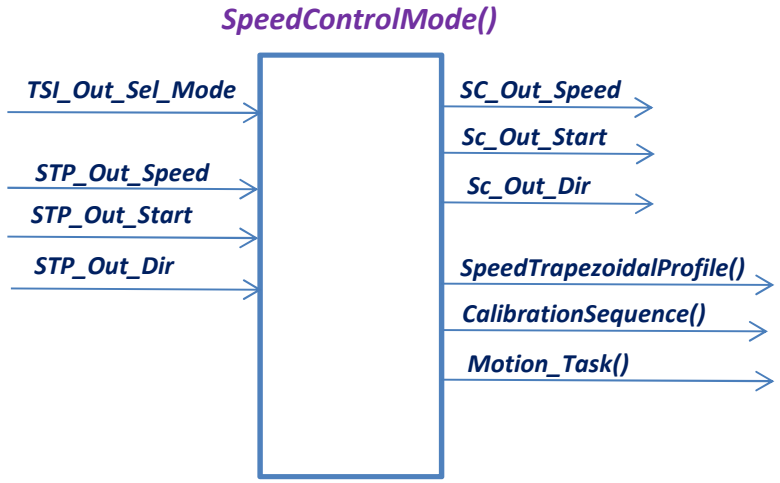
Speed control mode function V. 1.0

Descriptions

This function controls the source of the speed commands depending by the state active and of the mode selection activated

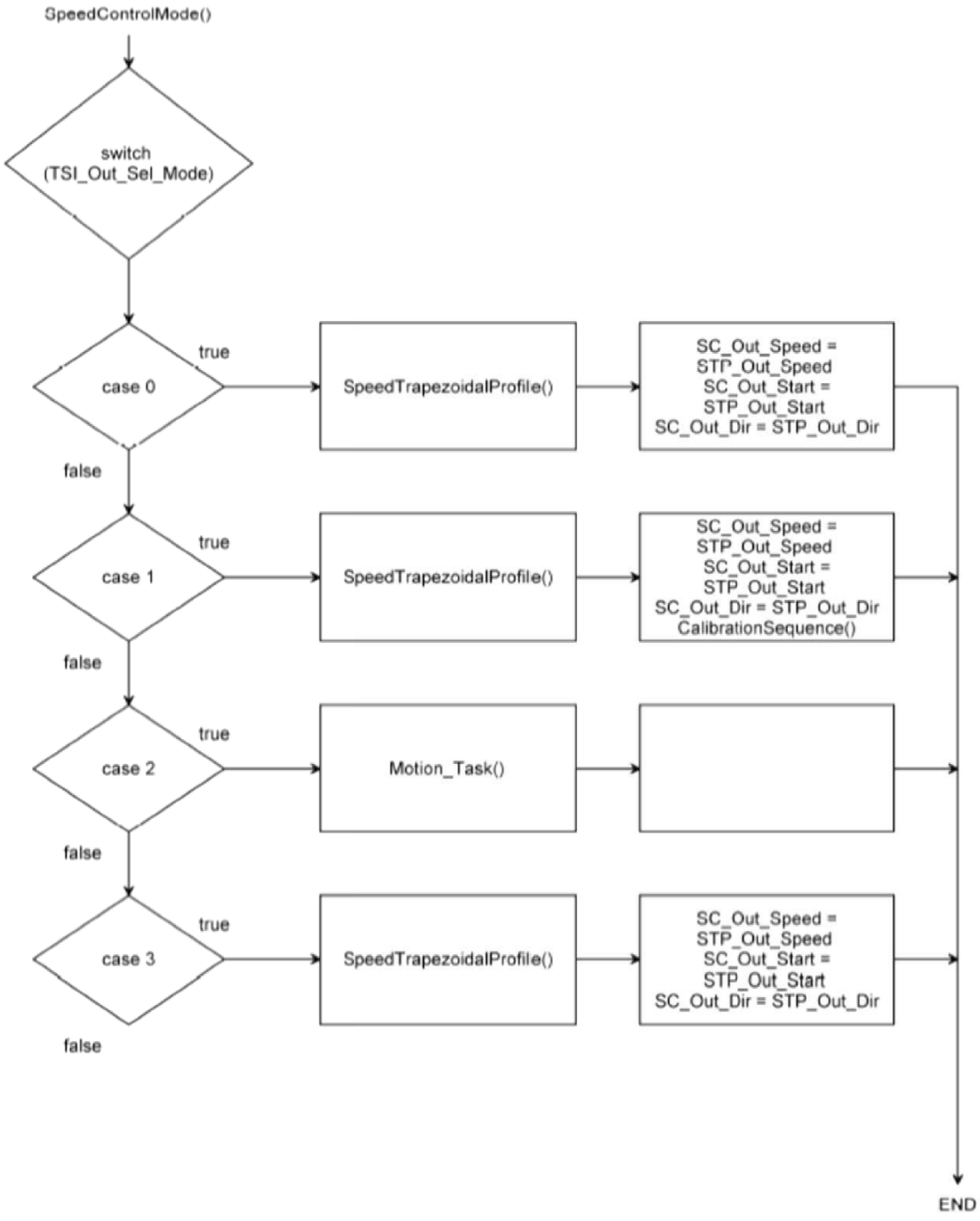
Syntax:	***SpeedControlMode()***
Input parameters:	***TSI_Out_Sel_Mode, STP_Out__Speed, STP_Out__Start, STP_Out__Dir.***
Output parameters:	***SC_Out_Speed, SC_Out_Start, SC_Out_Dir***
Status:	
Calls:	***SpeedTrapezoidalProfile(), Motion_Task(), CalibrationSequence()***

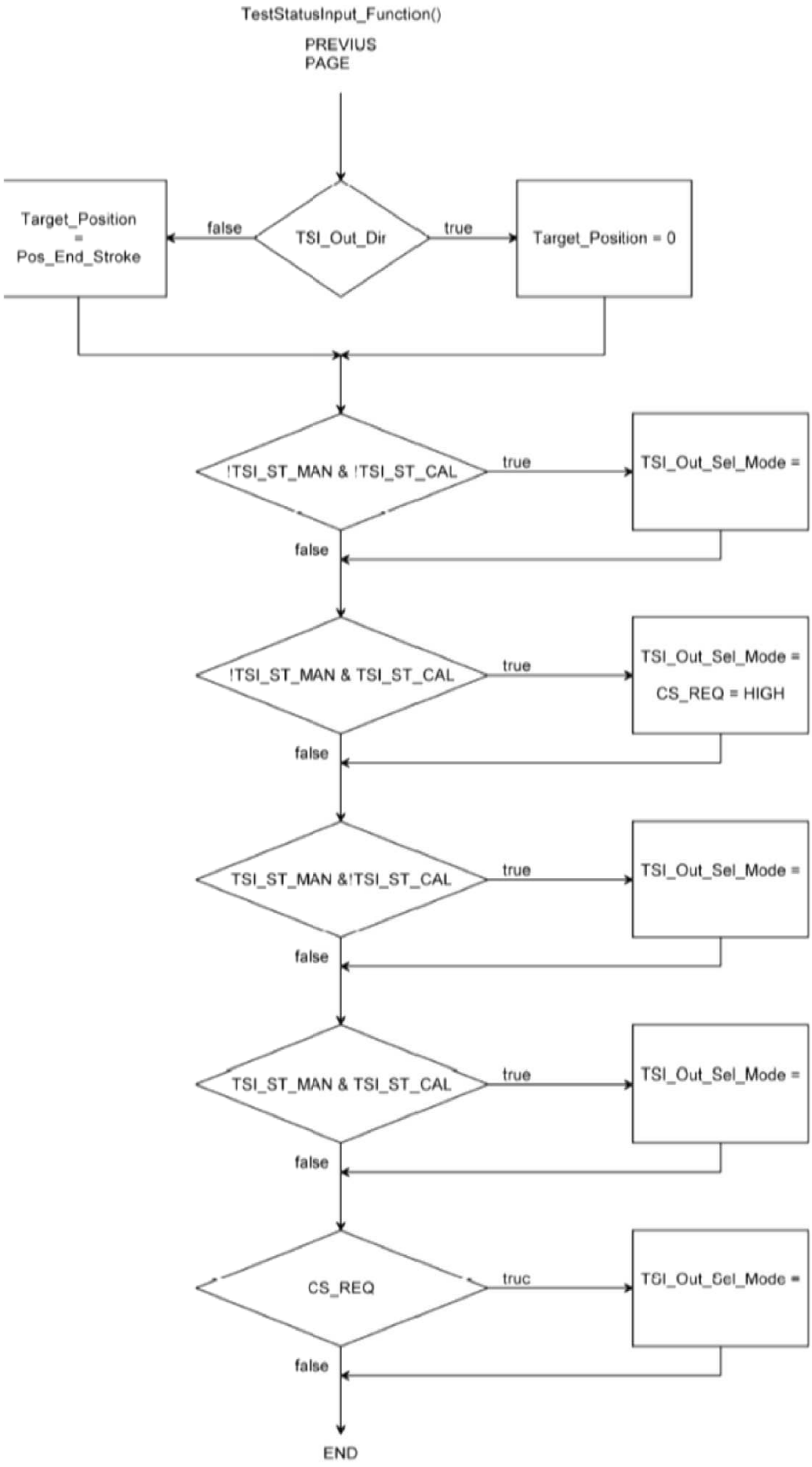
Speed Control Mode function




```
void SpeedControlMode()

{
 switch (TSI_Out_Sel_Mode)
   {
    case 0: { SpeedTrapezoidalProfile(); SC_Out_Speed = STP_Out_Speed; SC_Out_Start = STP_Out_Start; SC_Out_Dir = STP_Out_Dir;}
    break;
    case 1: { SpeedOnOffProfile(); SC_Out_Speed = SOOP_Out_Speed; SC_Out_Start = SOOP_Out_Start; SC_Out_Dir = SOOP_Out_Dir;
              CalibrationSequence();}
    break;
    case 2: { Motion_Task();}
    break;
                        // Case 3 is for future gear mode function
    case 3: {}
    break;
   }
}
```


SpeedControlMode()
switch
(TSI_Out_Sel_Mode)
case 0
true
false
SpeedTrapezoidalProfile()
SC_Out_Speed =
STP_Out_Speed
SC_Out_Start =
STP_Out_Start
SC_Out_Dir = STP_Out_Dir
case 1
true
false
SpeedTrapezoidalProfile()
SC_Out_Speed =
STP_Out_Speed
SC_Out_Start =
STP_Out_Start
SC_Out_Dir = STP_Out_Dir
CalibrationSequence()
case 2
true
false
Motion_Task()
case 3
true
false
SpeedTrapezoidalProfile()
SC_Out_Speed =
STP_Out_Speed
SC_Out_Start =
STP_Out_Start
SC_Out_Dir = STP_Out_Dir
END


TestStatusInput_Function()
PREVIUS
PAGE
Target_Position
=
Pos_End_Stroke
false
TSI_Out_Dir
true
Target_Position = 0
!TSI_ST_MAN & !TSI_ST_CAL
true
TSI_Out_Sel_Mode =
false
!TSI_ST_MAN & TSI_ST_CAL
true
TSI_Out_Sel_Mode =
CS_REQ = HIGH
false
TSI_ST_MAN &!TSI_ST_CAL
true
TSI_Out_Sel_Mode =
false
TSI_ST_MAN & TSI_ST_CAL
true
TSI_Out_Sel_Mode =
false
CS_REQ
truc
TSI_Out_Sel_Mode =
false
END