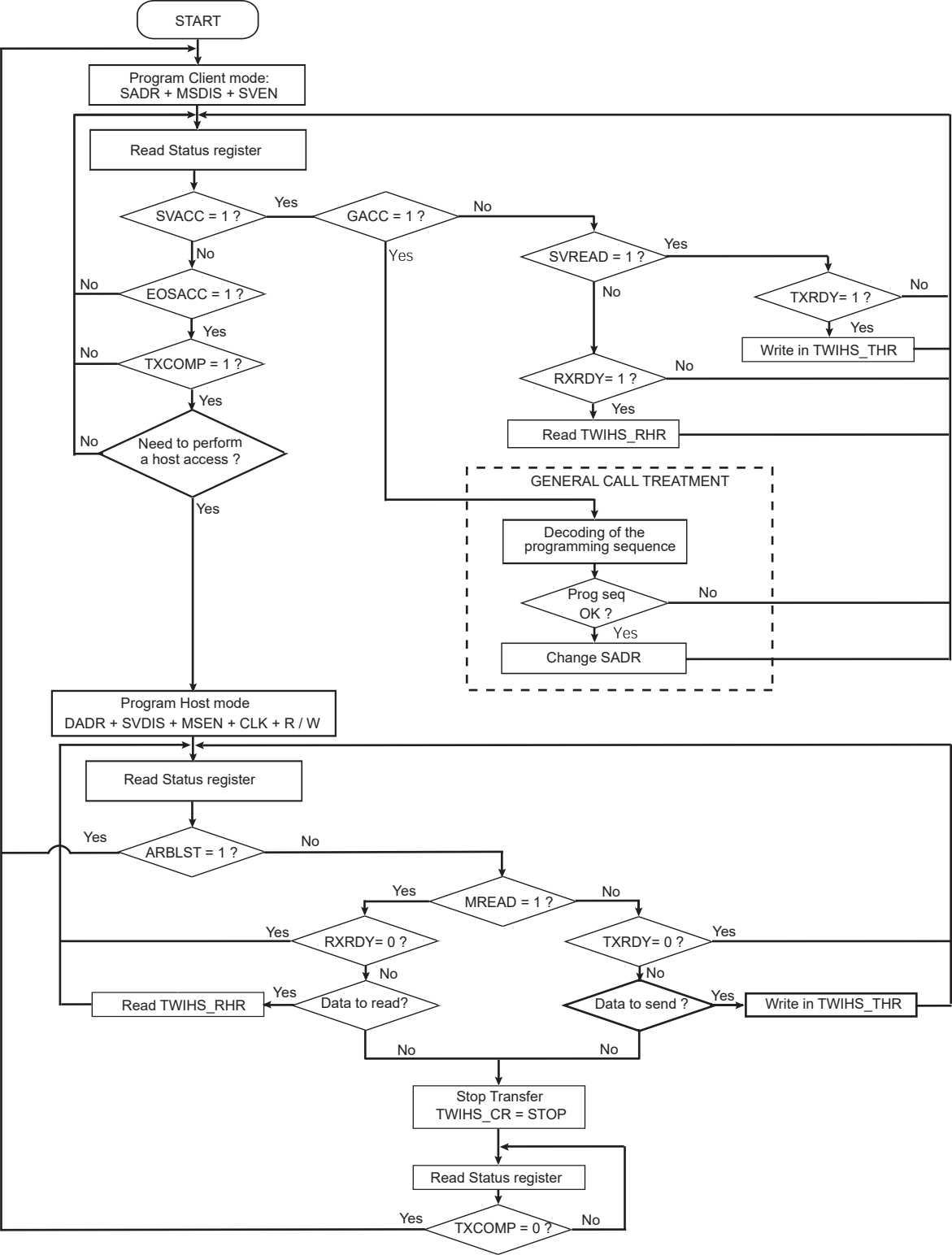
START
Program Client mode:
SADR + MSDIS + SVEN
Read Status register
SVACC = 1 ?
Yes
GACC = 1 ?
No
No
EOSACC = 1 ?
No
Yes
TXCOMP = 1 ?
No
Yes
Need to perform
a host access ?
No
Yes
Yes
SVREAD = 1 ?
Yes
No
TXRDY= 1 ?
No
Yes
Write in TWIHS_THR
RXRDY= 1 ?
No
Yes
Read TWIHS_RHR
GENERAL CALL TREATMENT
Decoding of the
programming sequence
Prog seq
OK ?
No
Yes
Change SADR
Program Host mode
DADR + SVDIS + MSEN + CLK + R / W
Read Status register
Yes
ARBLST = 1 ?
No
Yes
MREAD = 1 ?
No
Yes
RXRDY= 0 ?
TXRDY= 0 ?
Yes
No
No
Read TWIHS_RHR
Yes
Data to read?
Data to send ?
Yes
Write in TWIHS_THR
No
No
Stop Transfer
TWIHS_CR = STOP
Read Status register
Yes
TXCOMP = 0 ?
No