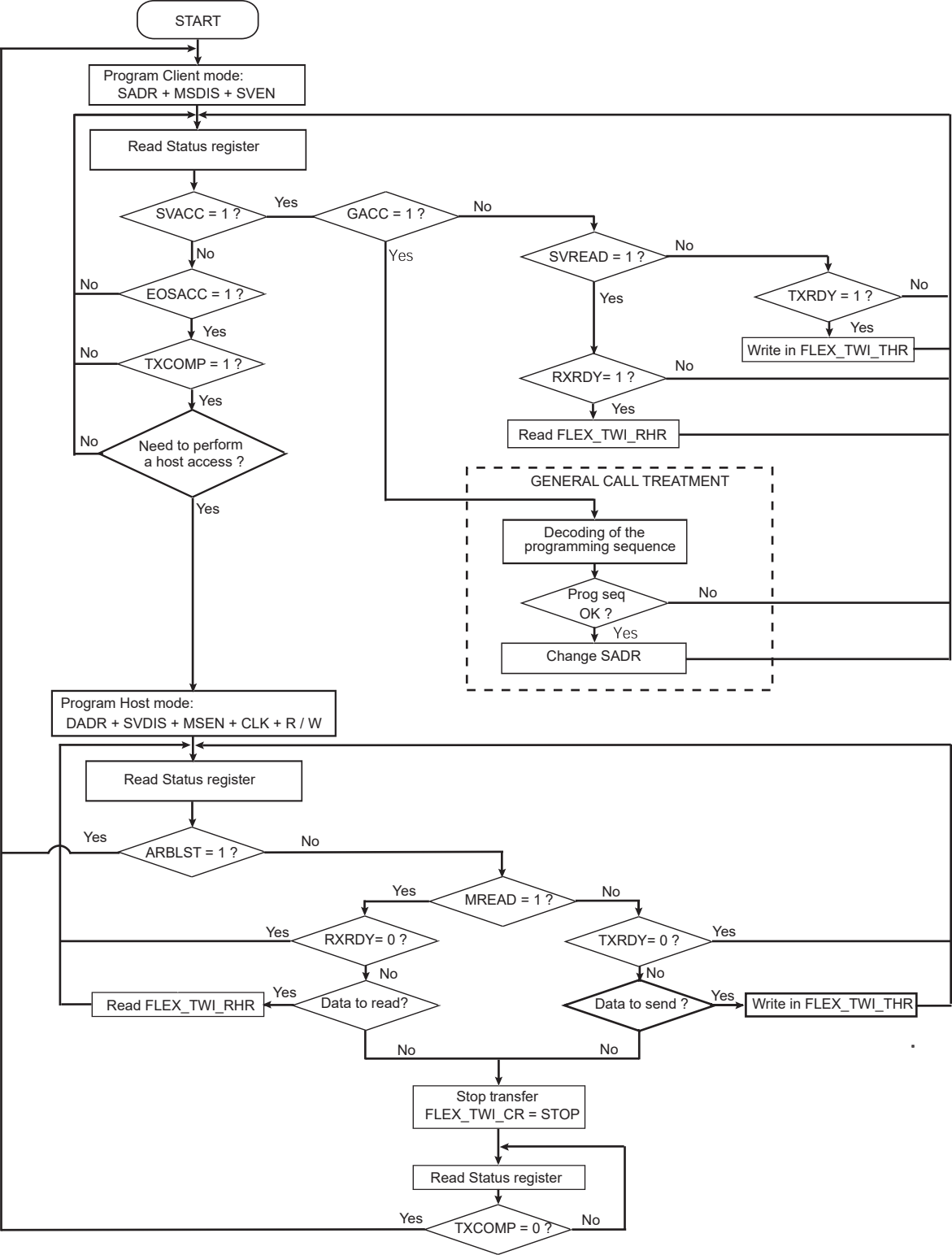
START
Program Client mode:
SADR + MSDIS + SVEN
Read Status register
SVACC = 1 ?
Yes
GACC = 1 ?
No
No
EOSACC = 1 ?
Yes
TXCOMP = 1 ?
Yes
Need to perform a host access ?
Yes
SVREAD = 1 ?
No
Yes
TXRDY = 1 ?
Write in FLEX_TWI_THR
RXRDY= 1 ?
Read FLEX_TWI_RHR
GENERAL CALL TREATMENT
Decoding of the programming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