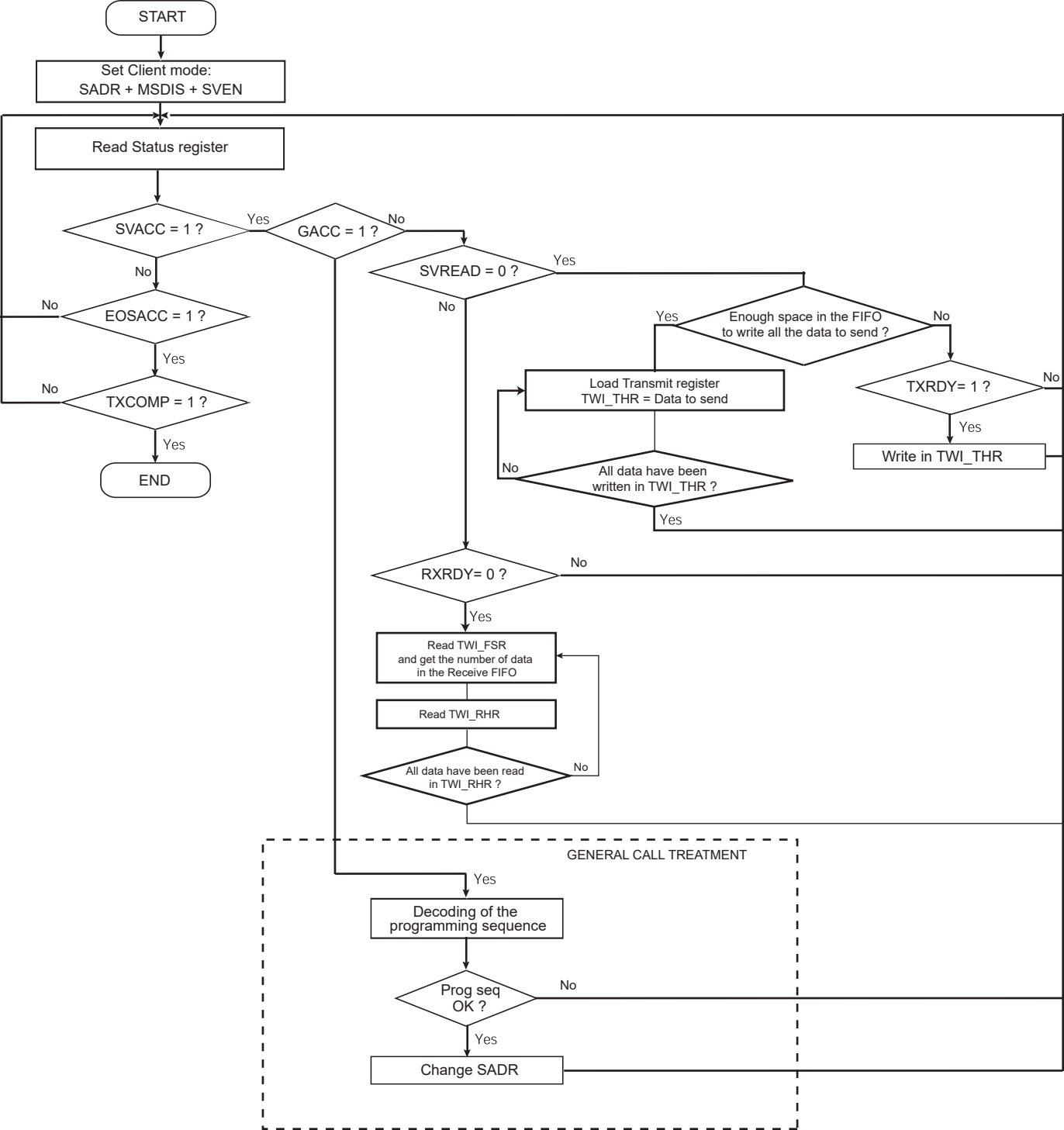
START
Set Client mode:
SADR + MSDIS + SVEN
Read Status register
SVACC = 1 ?
Yes
GACC = 1 ?
No
No
EOSACC = 1 ?
No
Yes
TXCOMP = 1 ?
No
Yes
END
SVREAD = 0 ?
Yes
No
Enough space in the FIFO
to write all the data to send ?
Yes
No
Load Transmit register
TWI_THR = Data to send
TXRDY= 1 ?
No
Yes
Write in TWI_THR
All data have been
written in TWI_THR ?
No
Yes
RXRDY= 0 ?
No
Yes
Read TWI_FSR
and get the number of data
in the Receive FIFO
Read TWI_RHR
All data have been read
in TWI_RHR ?
No
GENERAL CALL TREATMENT
Yes
Decoding of the
programming sequence
Prog seq
OK ?
No
Yes
Change SADR