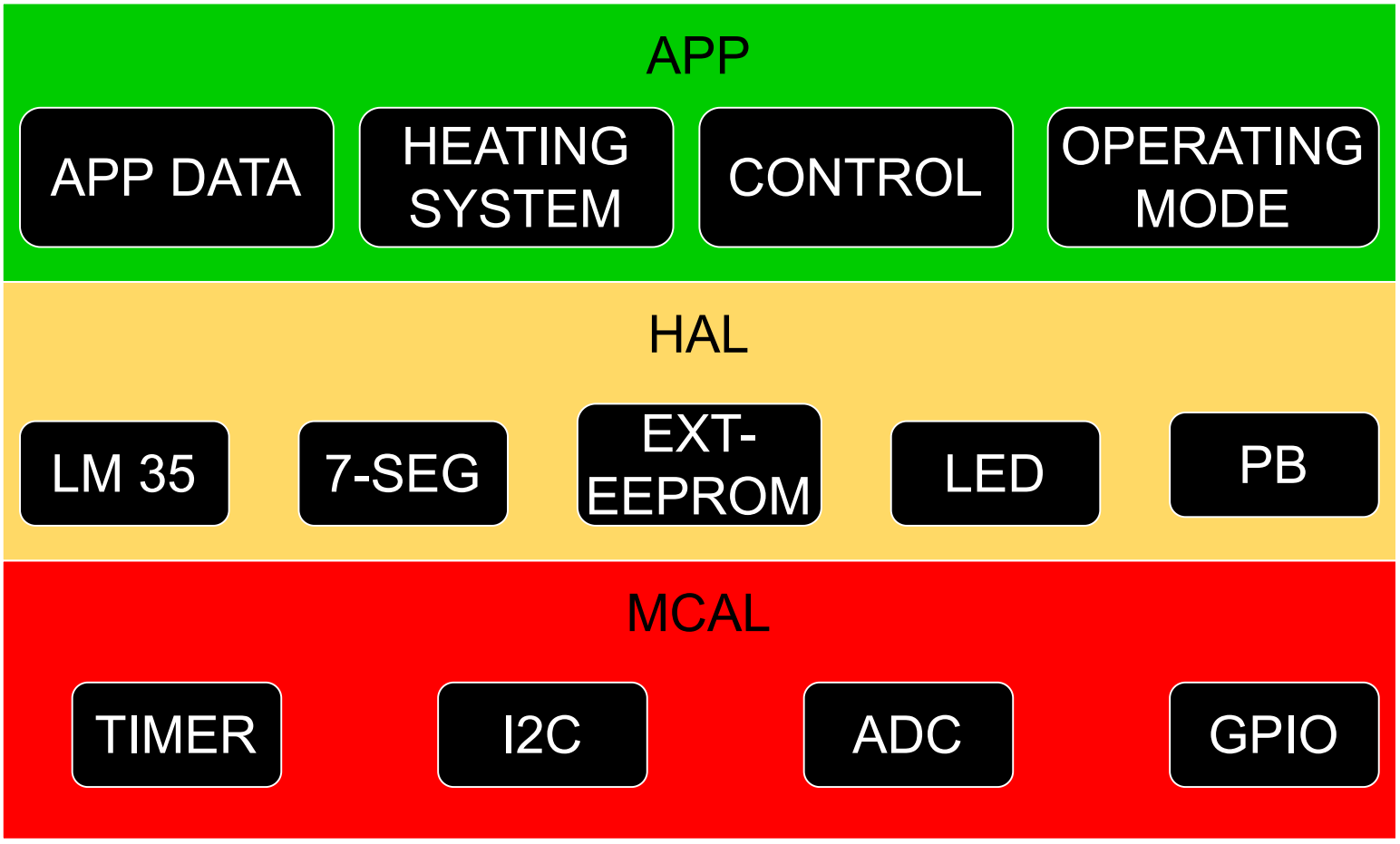
STATIC DESIGN



DETAILED DESIGN

CONTROL

Control_Init

Control_Update

HEATING_SYSTEM

HeatingSystem_Init

HeatingSystem_Update

OPERATING MODE

OperatingMode_Init

OperatingMode_Update

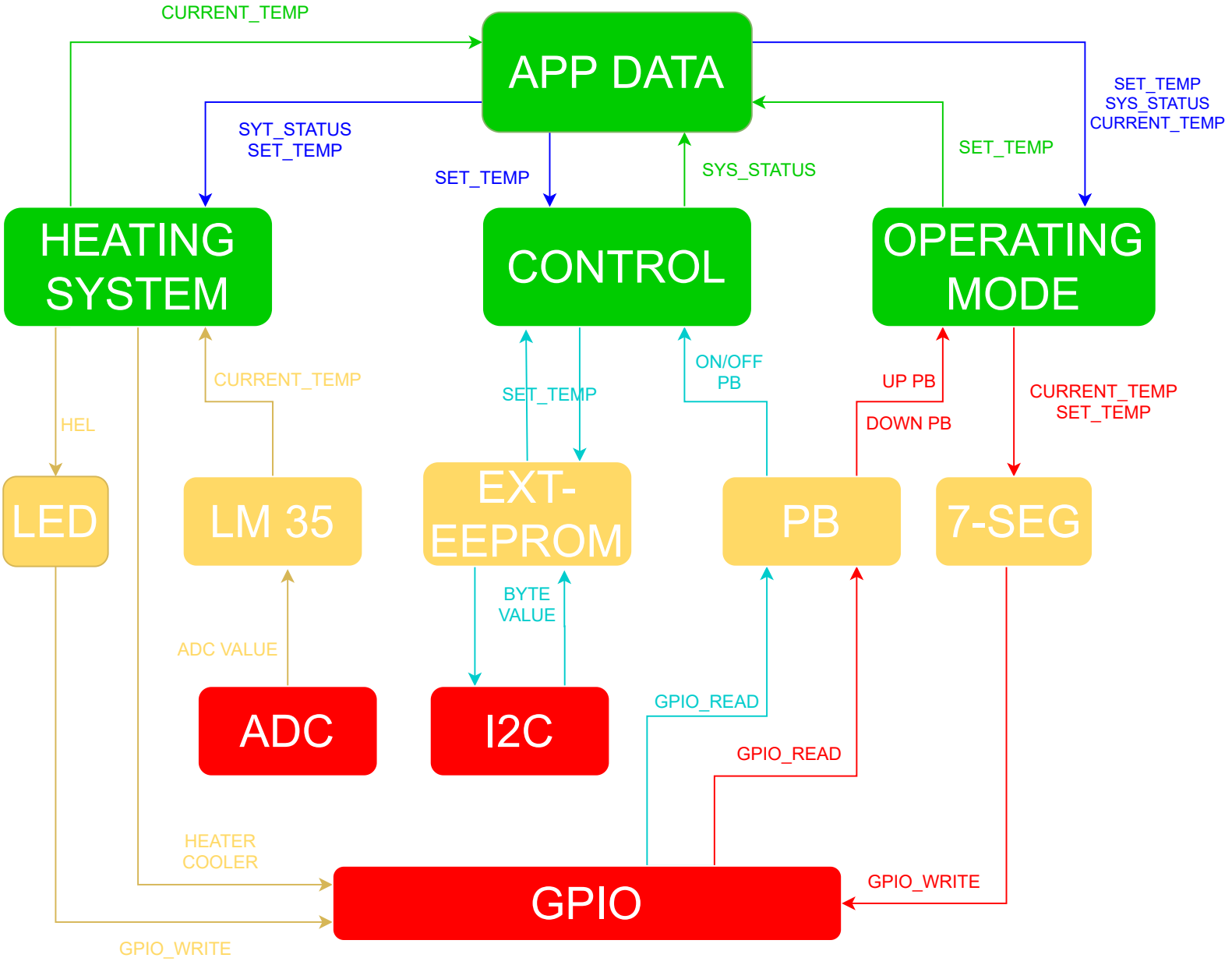
APP_DATA

CurTemp_Setter
CurTemp_getter

SetTemp_Setter
SetTemp_getter

SysStatus_Setter
SysStatus_getter

DYNAMIC DESIGN

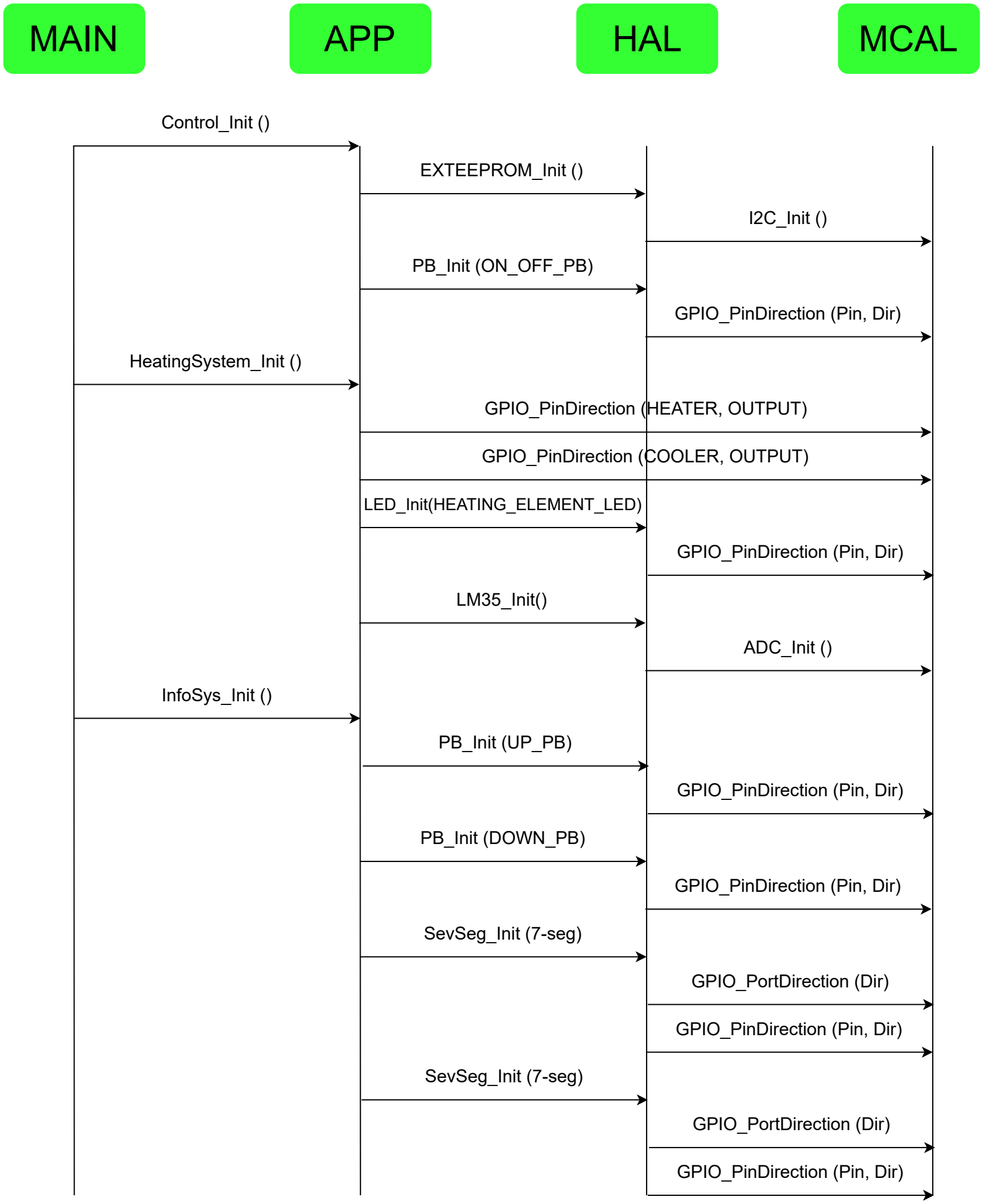


APP LAYER

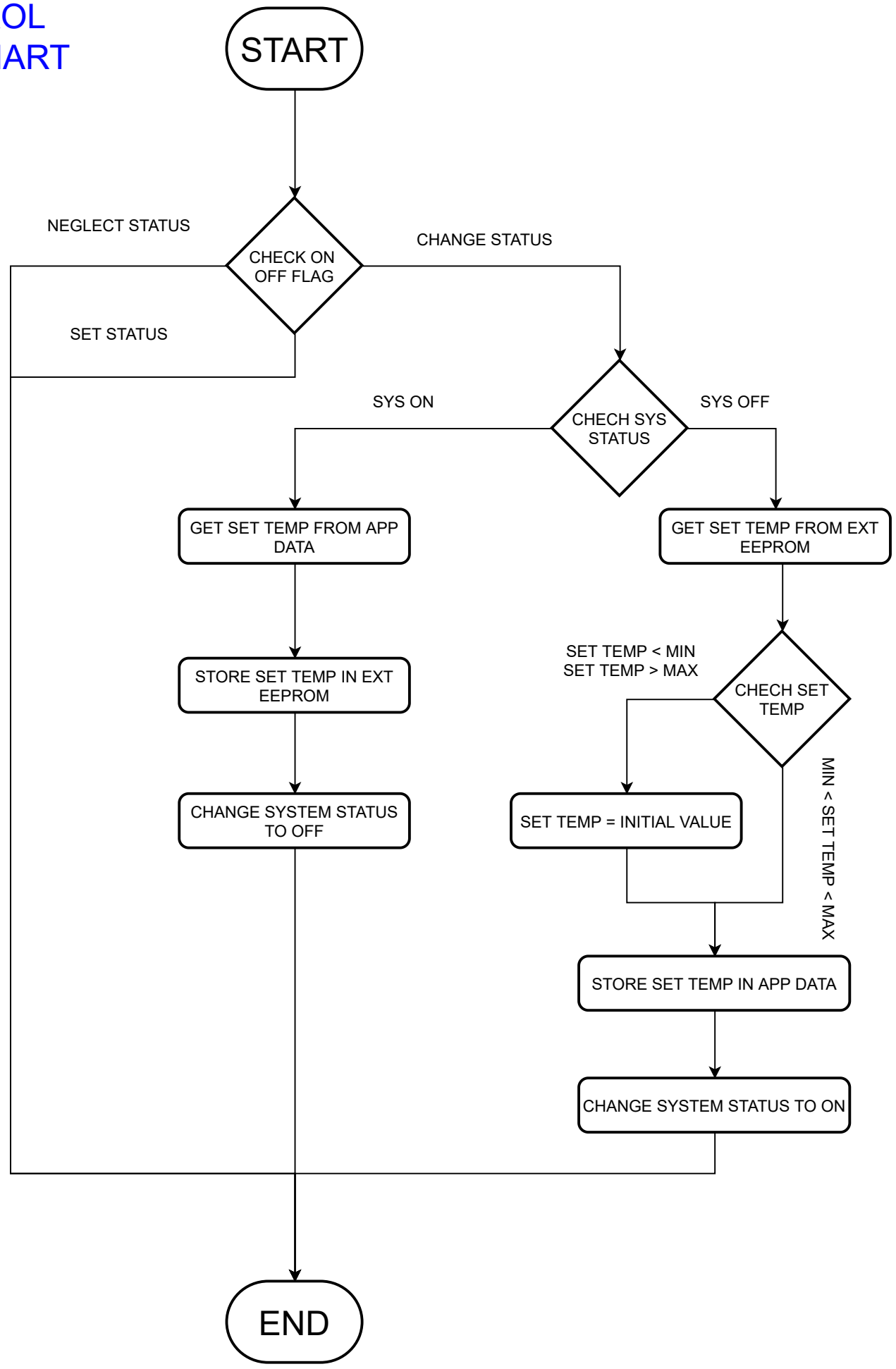
HAL

MCAL

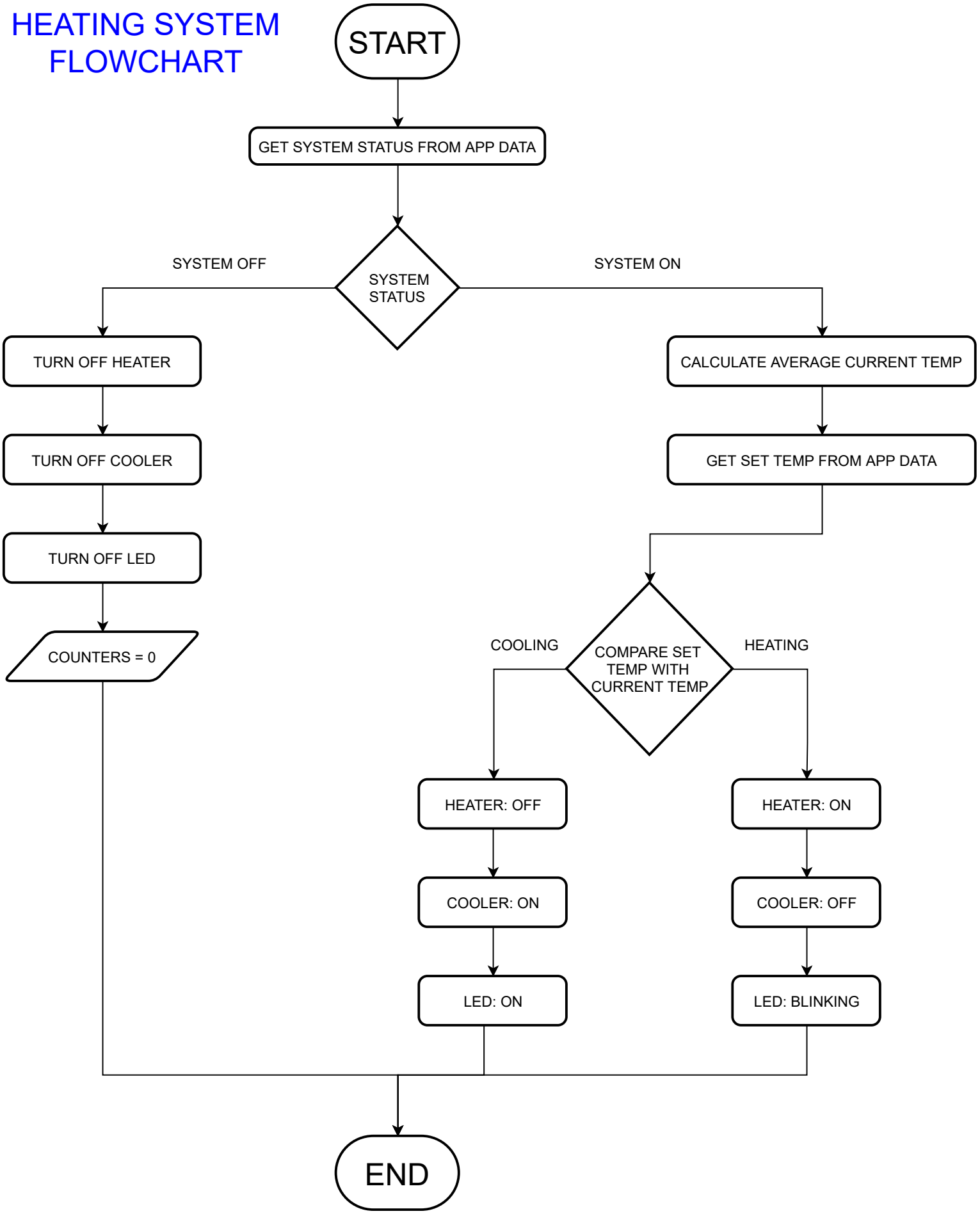
Electric Water Heater Initialize Sequential Diagram



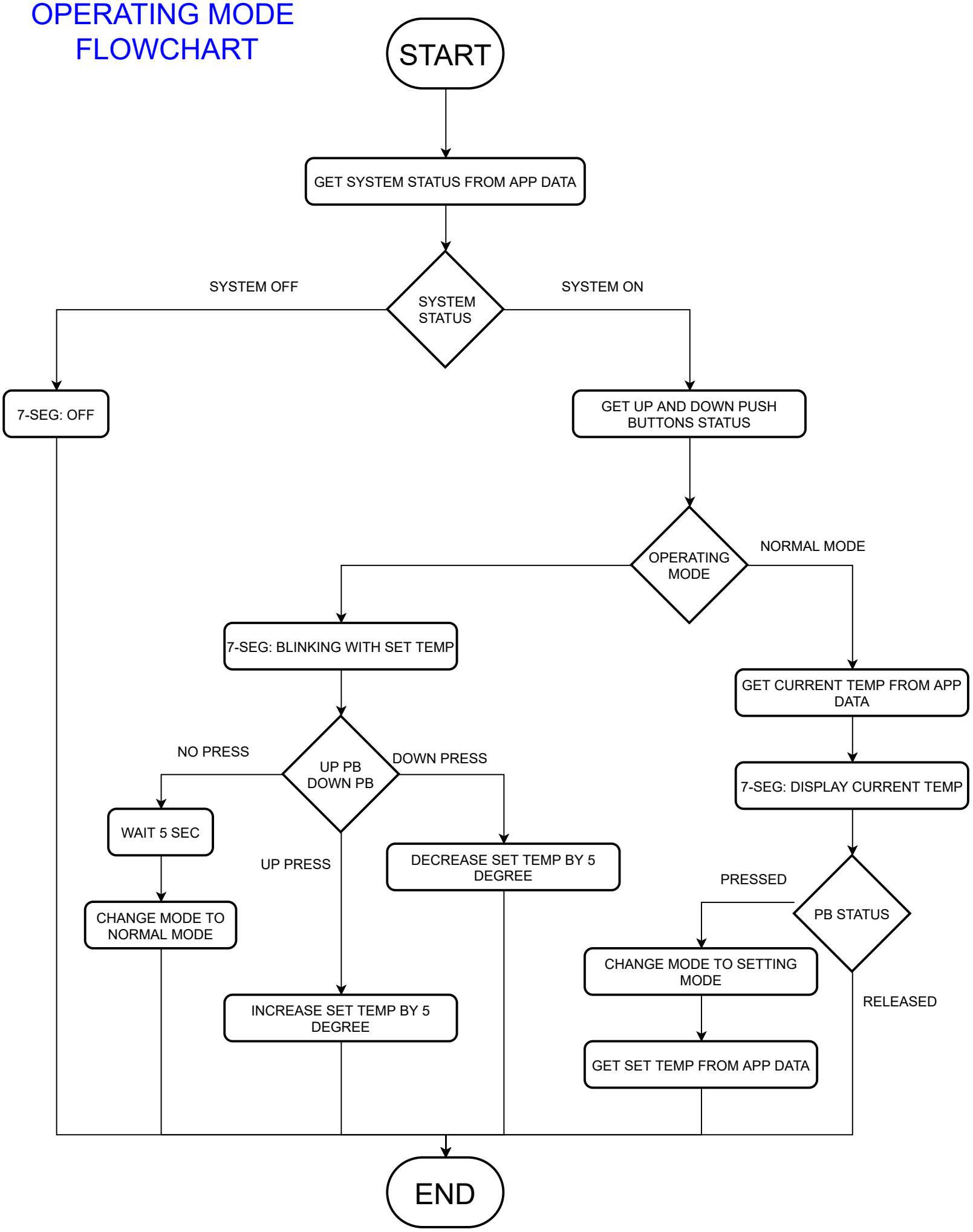
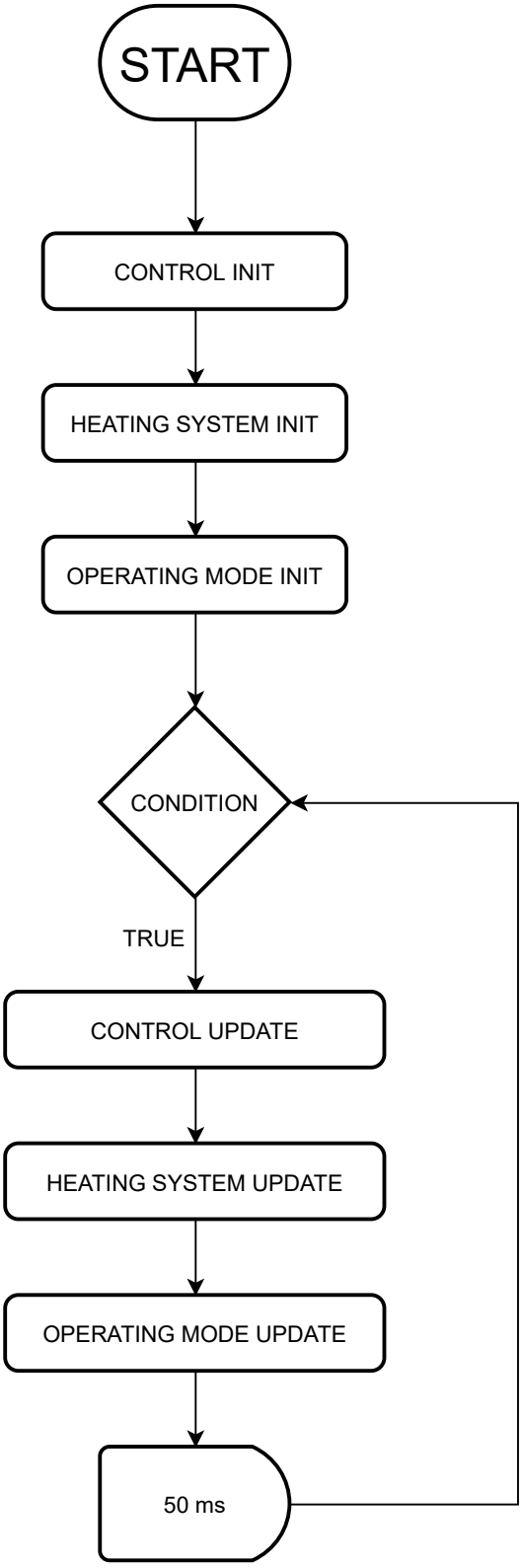
CONTROL FLOWCHART



HEATING SYSTEM FLOWCHART



OPERATING MODE FLOWCHART



Main Flowchart