FILE SYSTEM LOOP

Flight Data

Verify Process ID

Check if file exists — No? — Create File

Yes?

End

Write Formatted Flight Data

Format Data

Yes?

Request Accepted — Log Rate Management function

No?

End

ERROR DUMP

Get error code

Confirm error code

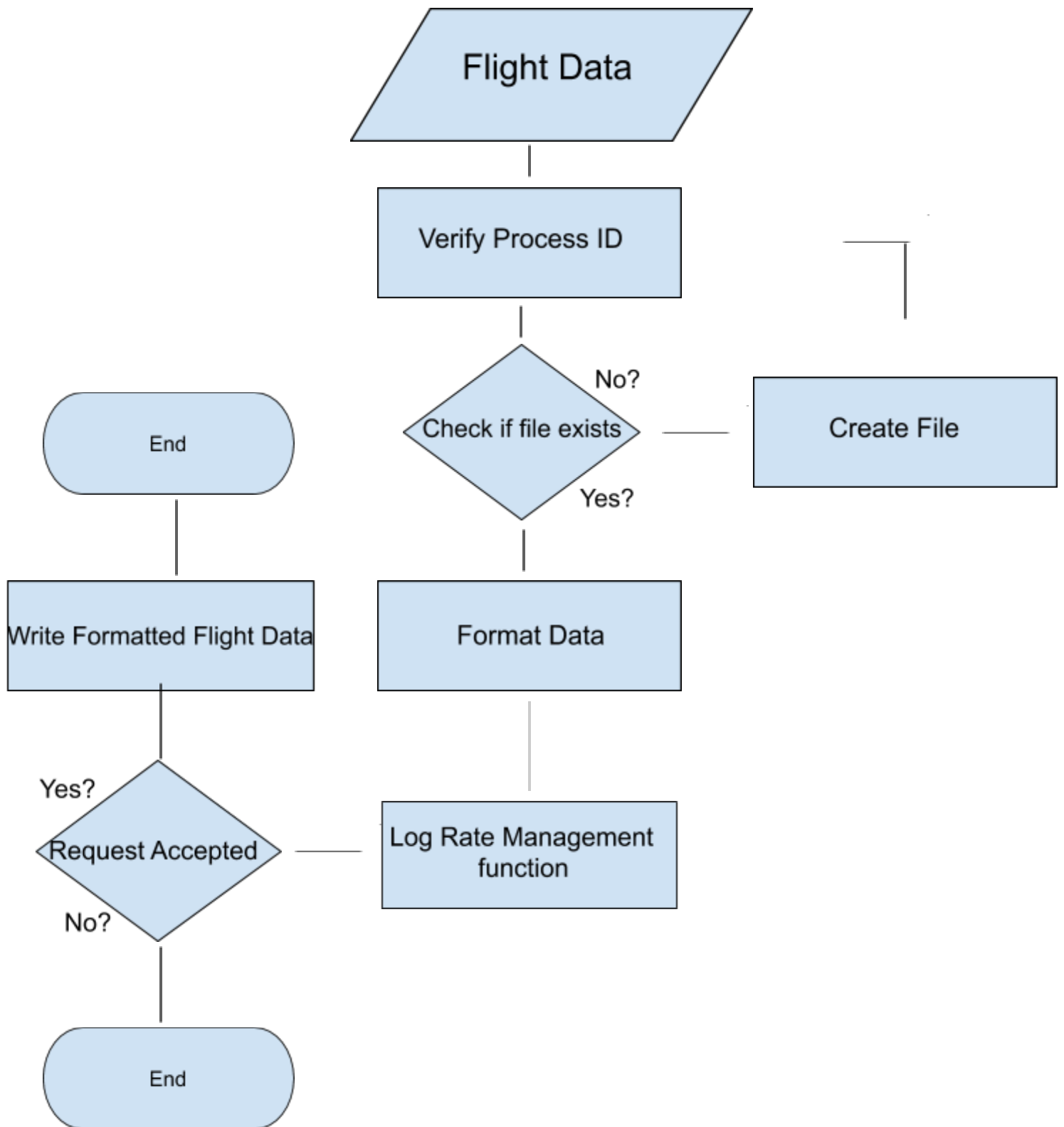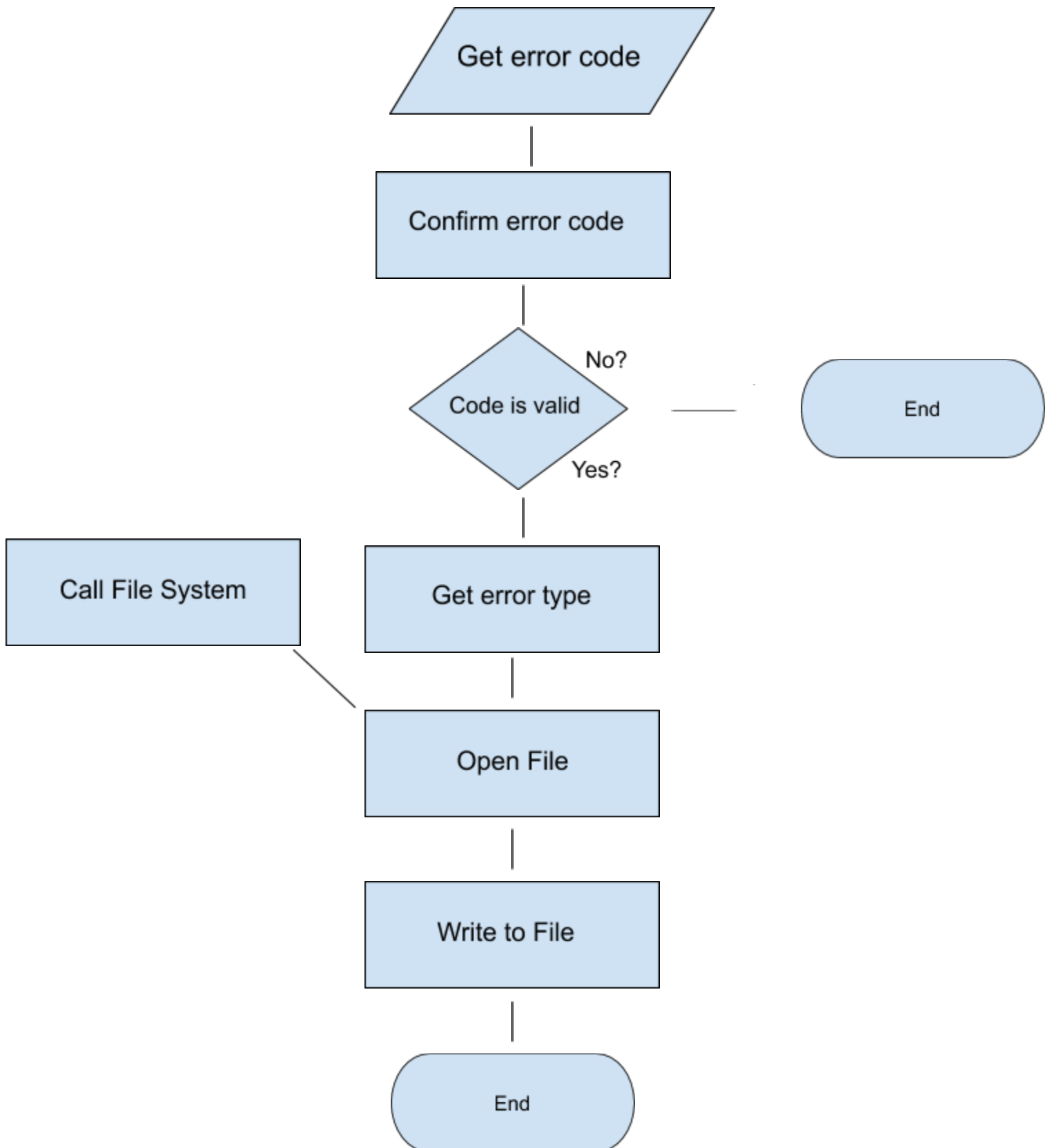Code is valid

No?

Yes?

End

Call File System

Get error type

Open File

Write to File

End

NAVIGATION LOOP

Correct Deviation / Correct Deviation <- SEE CONTROL LOOP

```
          ┌──────────────────────┐
          │   Get Sensor Data    │
          └──────────────────────┘
                     │
          ┌──────────────────────┐
          │   Update Path Data   │              ┌──────────────────────┐
          └──────────────────────┘              │  Deviation correction │
                     │                          └──────────────────────┘
                  No?                                      │
          Axis Values = Defined Path ──────── ┌──────────────────────┐
                  Yes?                         │   Compute Deviation  │
                                              └──────────────────────┘
```