

Digital Watch System

201811244 김창엽

201811253 박경래

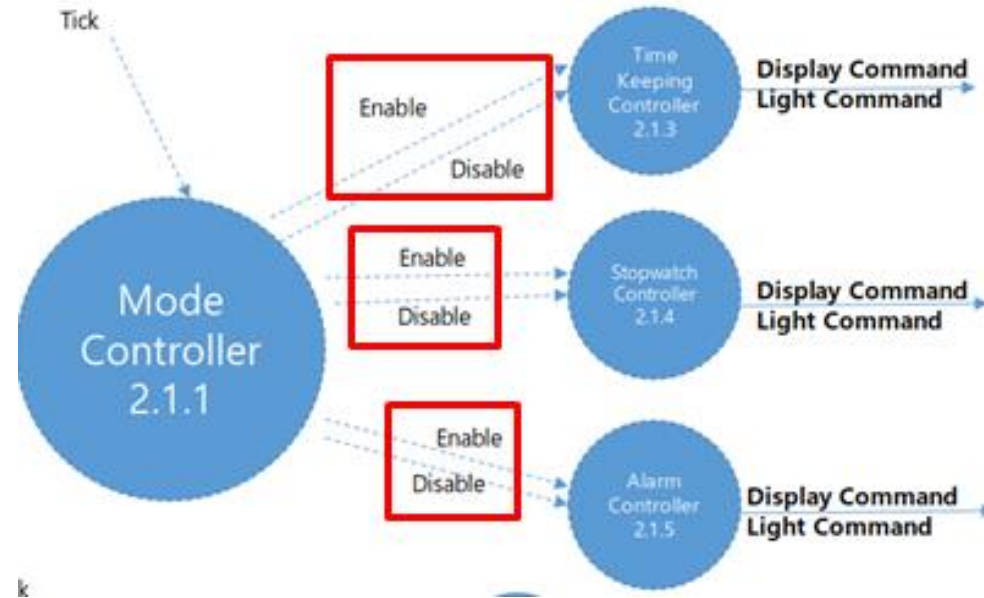
201811263 변장훈

201811287 장명근



이전의 문제점들

1. Controller에서 Controller로



2. Level 2에서의 Controller 명시 x

3. 그 외 수많은 오류들 (순서의 문제, 저장의 문제)

해결책

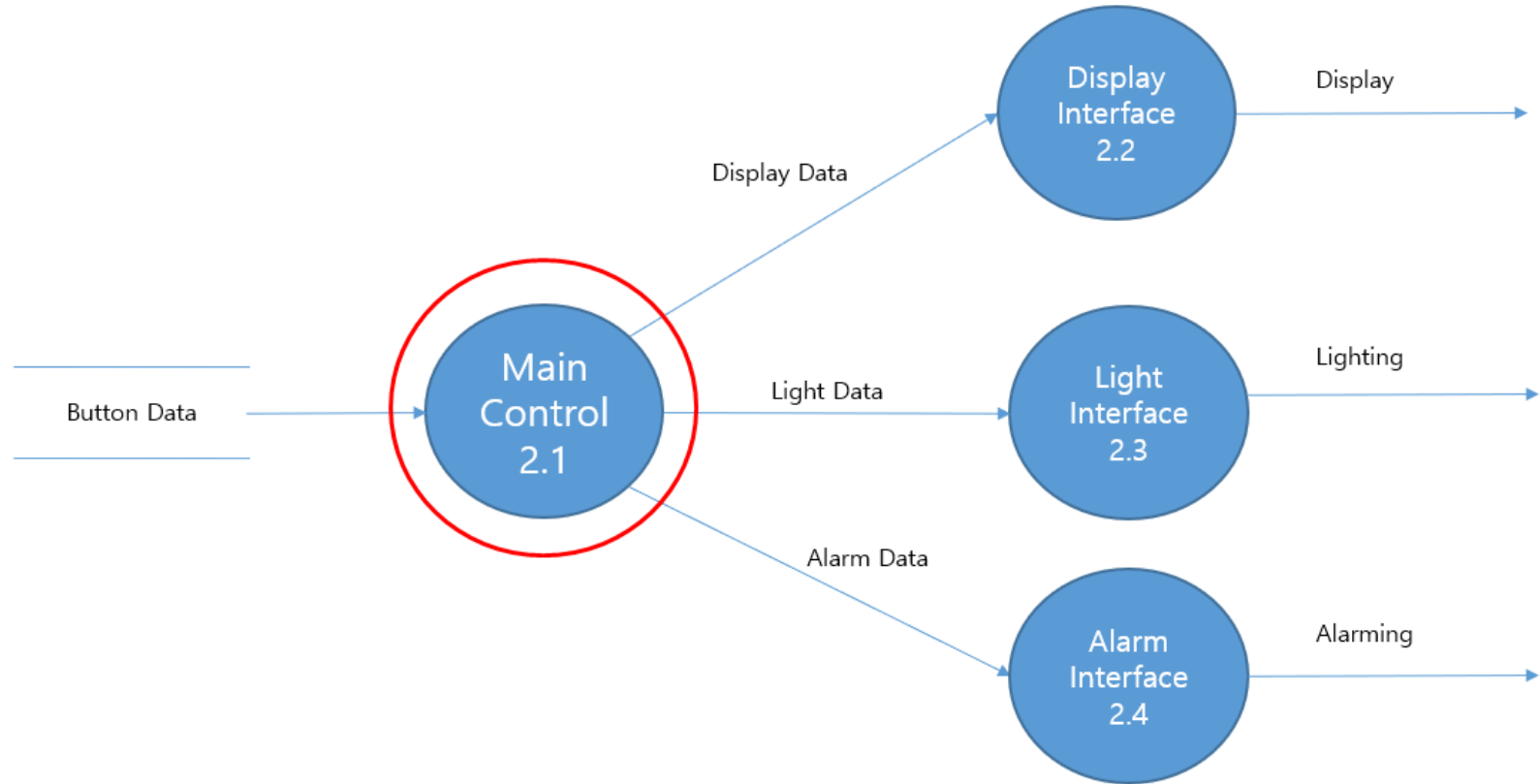
1. Data Flow 다시 고려

1. 버튼 입력 받기
2. 알람이 울리나?
3. 모드 확인
4. 모드에 따라 버튼 입력에 대한 명령 실행

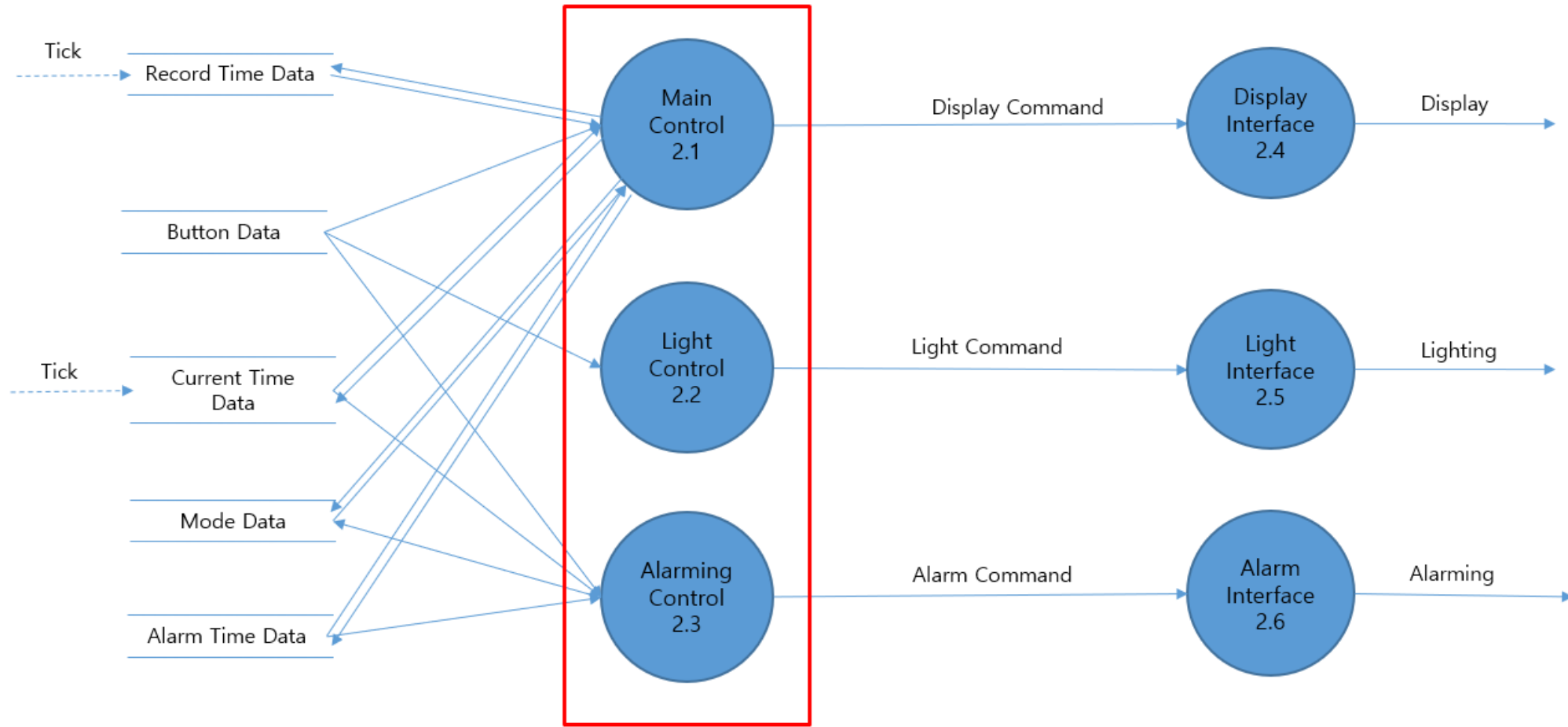
2. Mode 재정의

- Mode: 같은 버튼 입력이라도 모드가 다르면 실행되는 명령도 다르다!
- 모드 담당 컨트롤러들 삭제
- 그에 따라 Idle도 삭제
- Enable/Disable? Trigger?

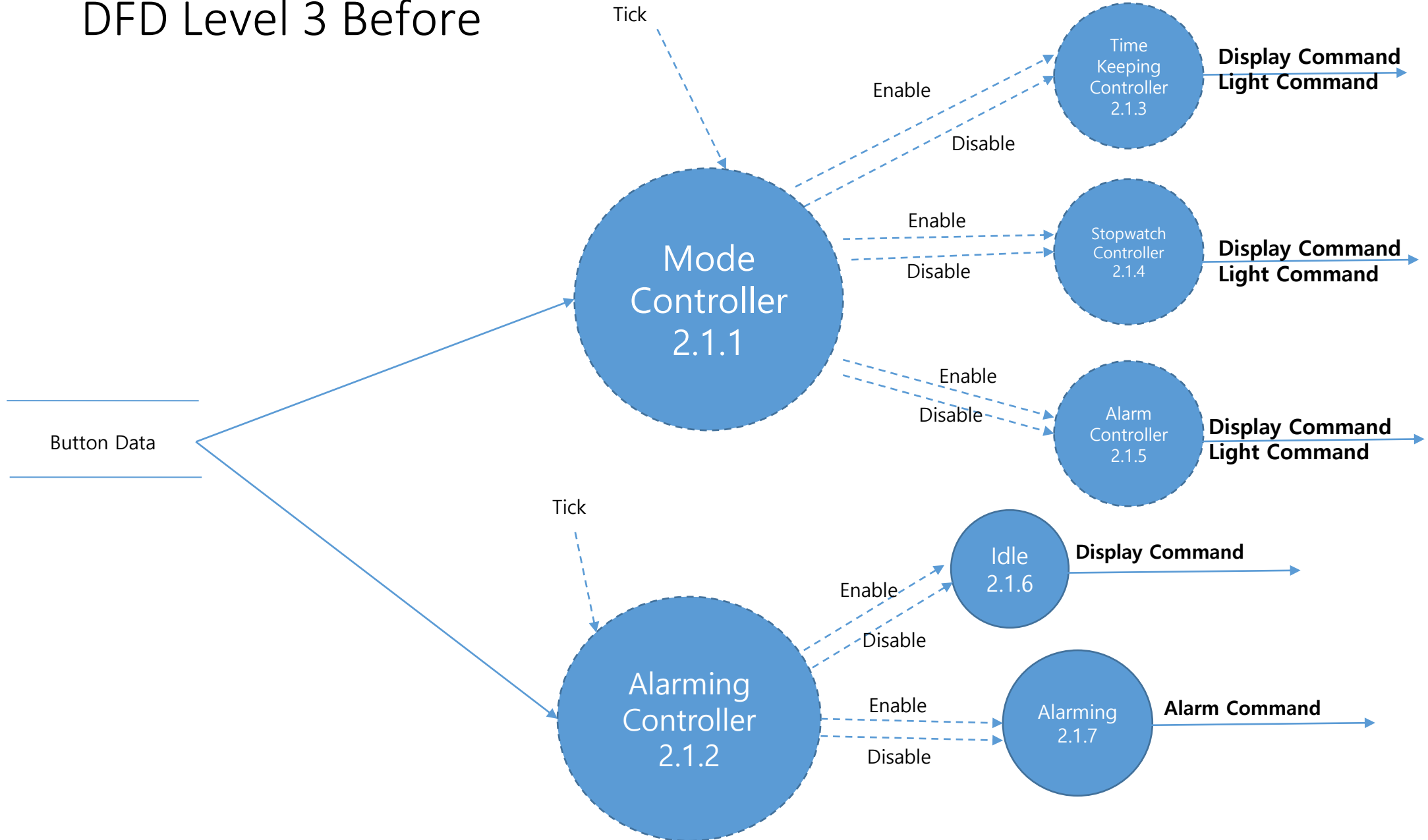
DFD Level 2 Before



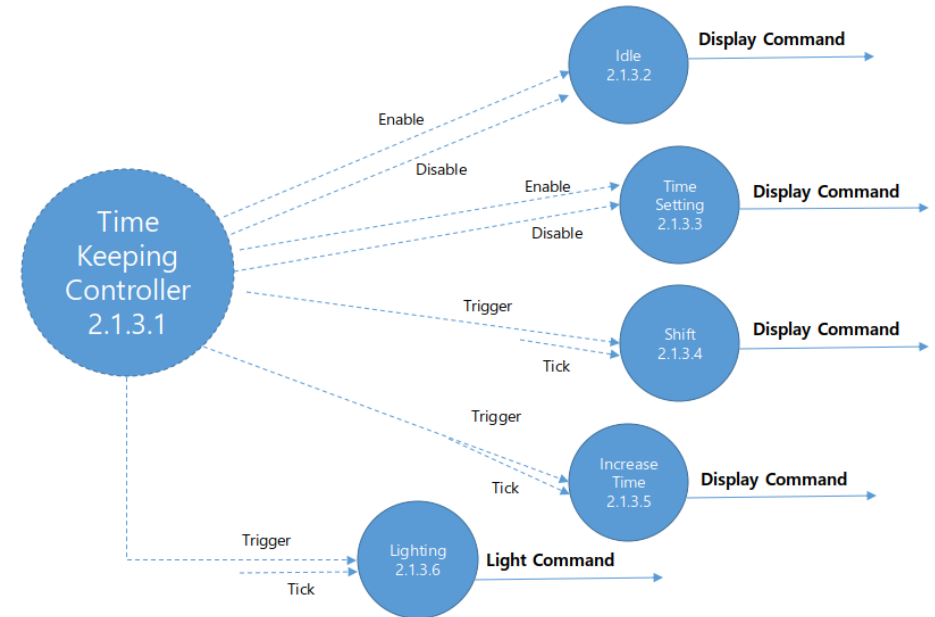
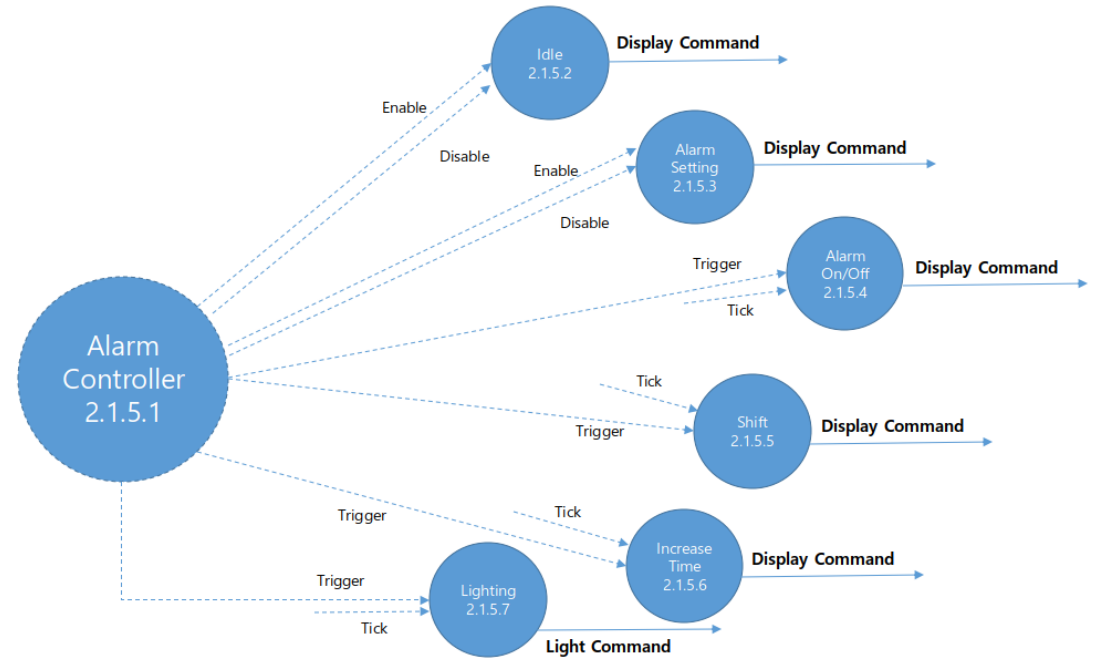
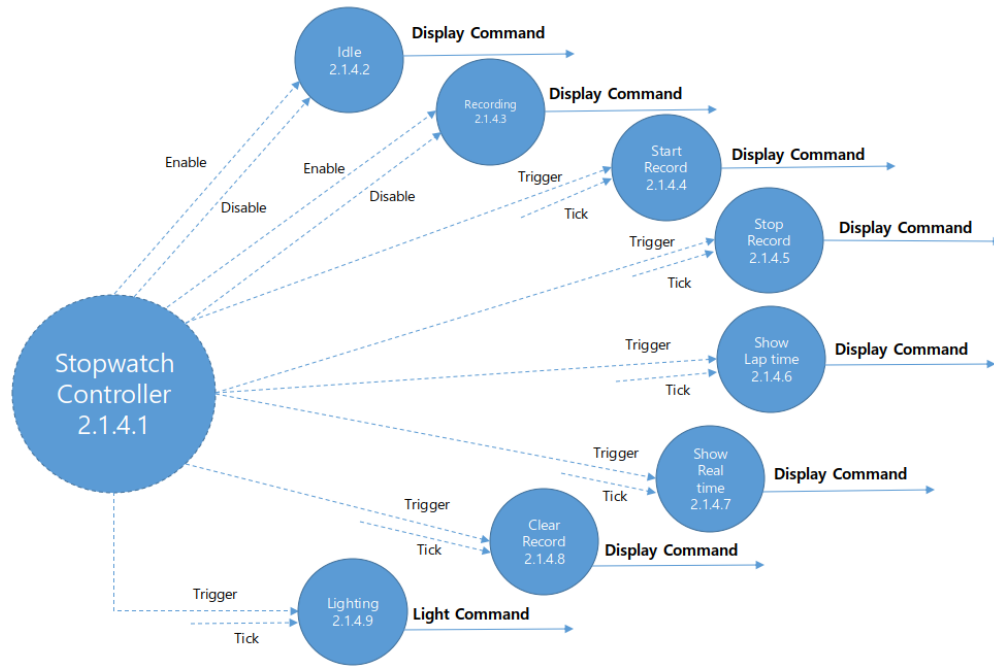
DFD Level 2 After



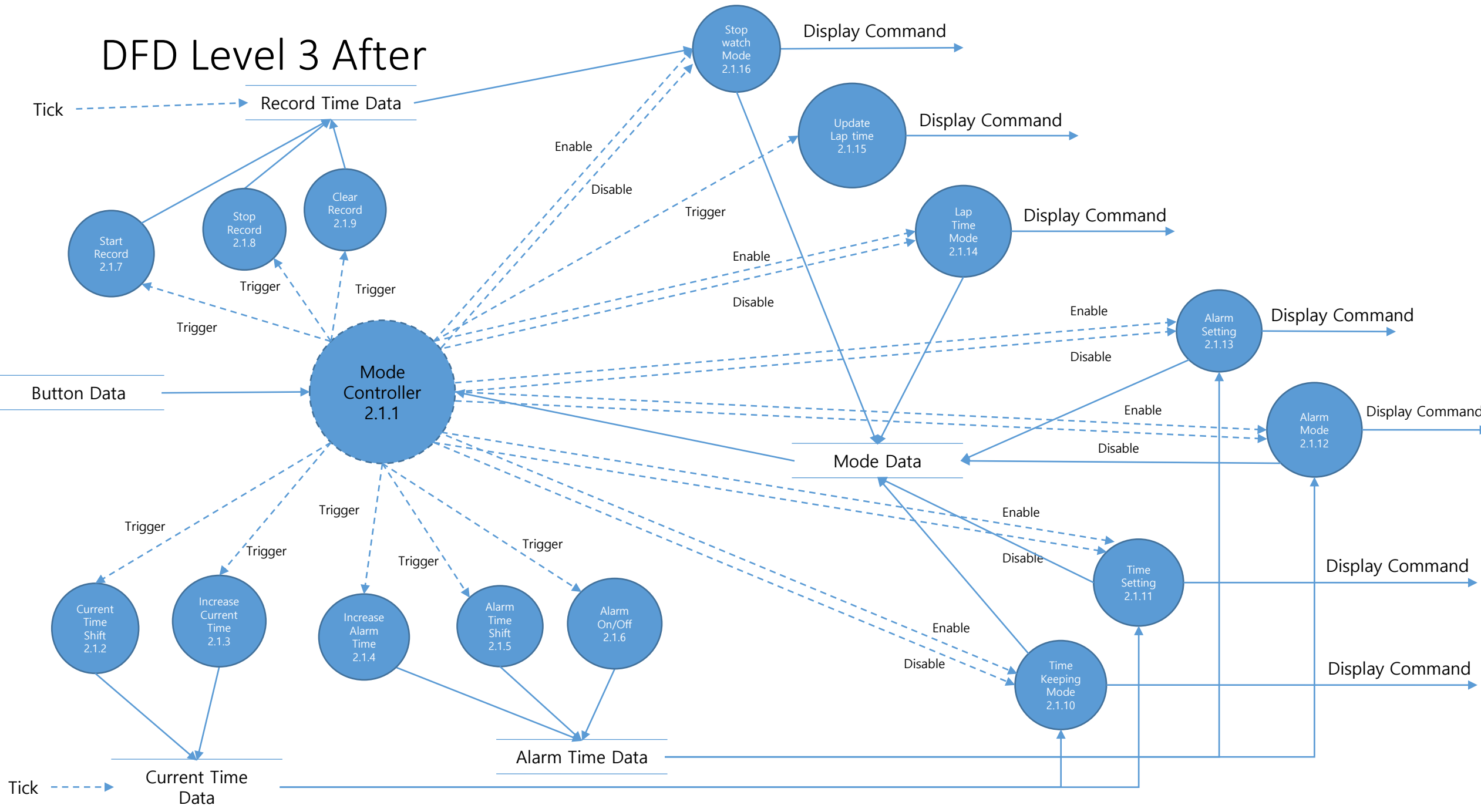
DFD Level 3 Before



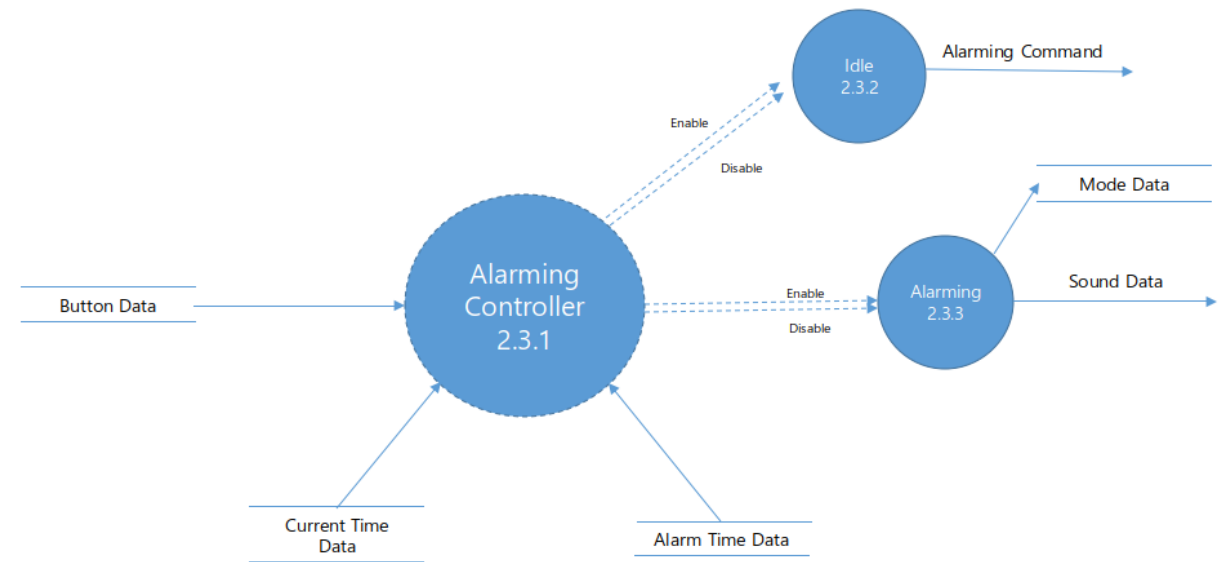
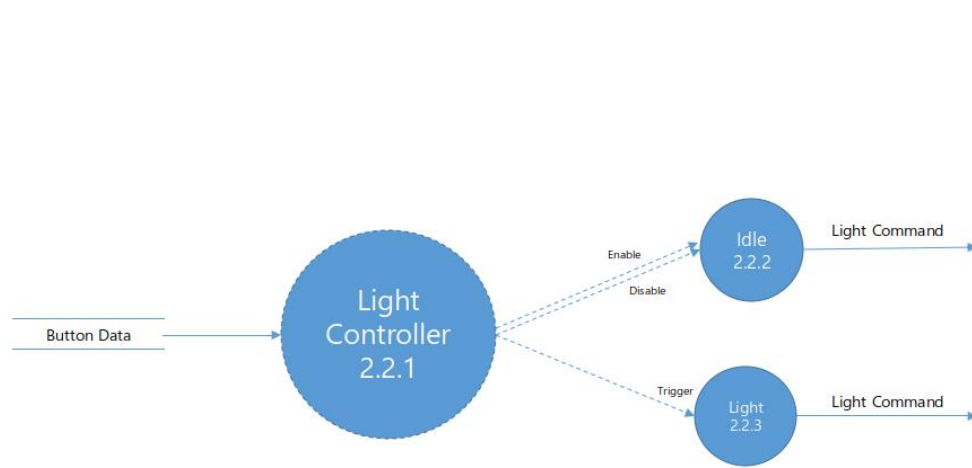
DFD Level 4 Before



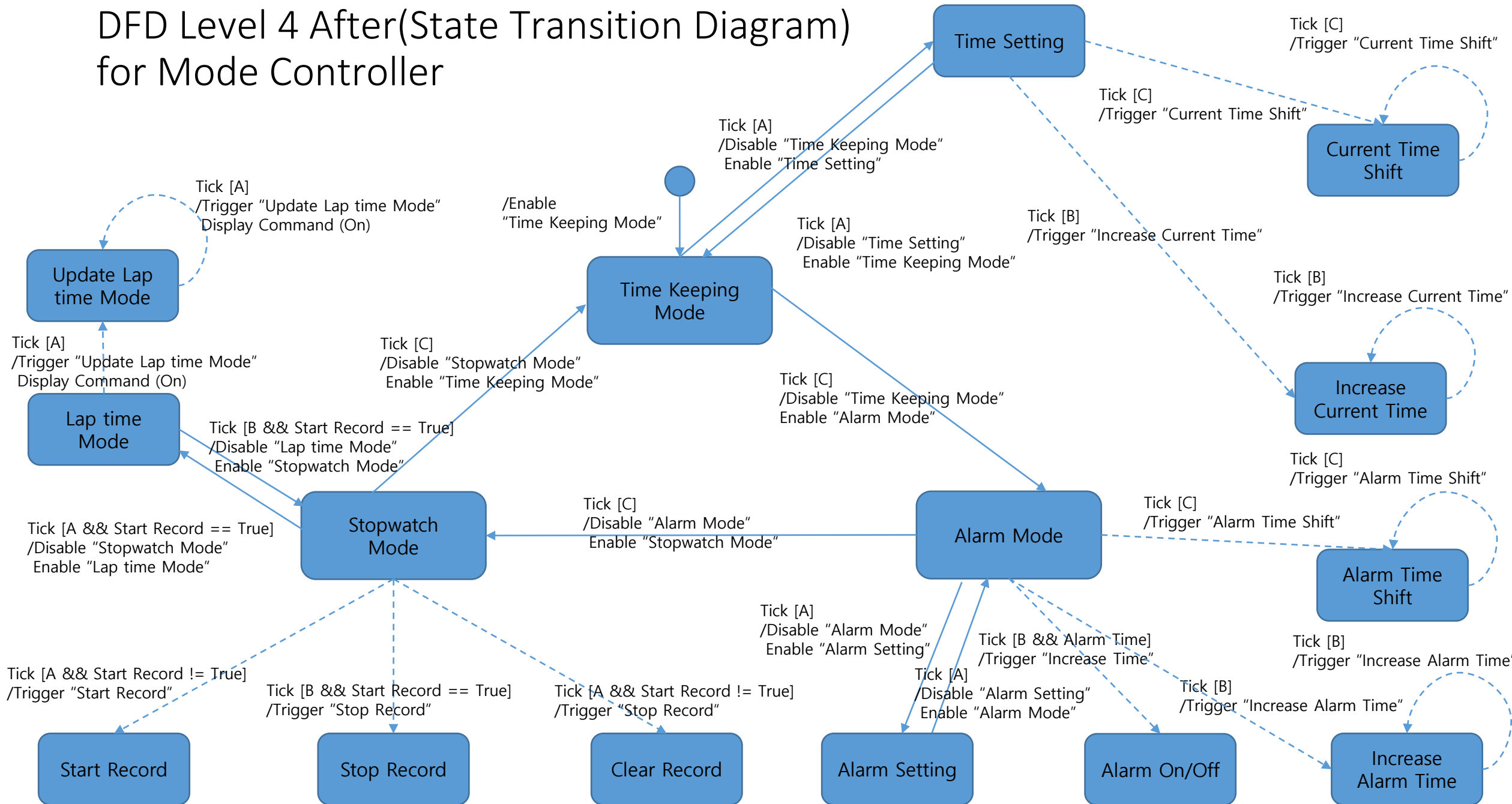
DFD Level 3 After



DFD Level 3 After

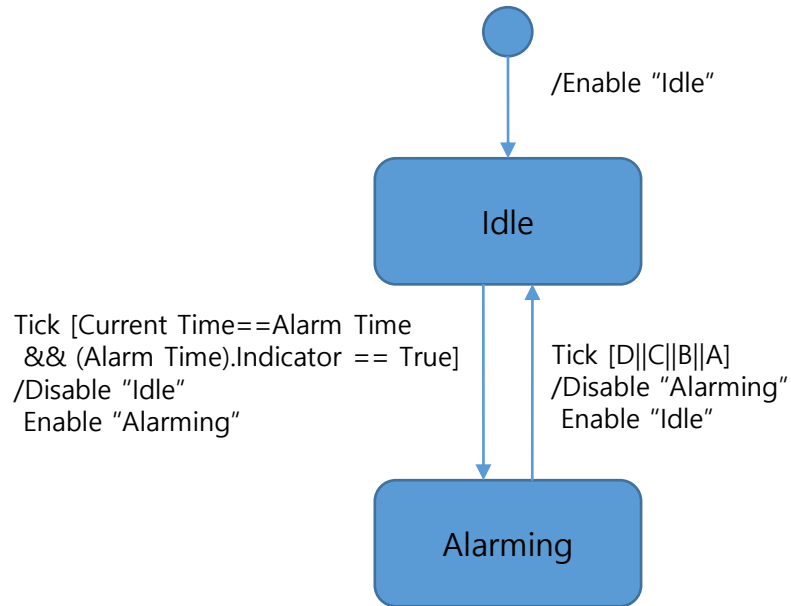


DFD Level 4 After (State Transition Diagram) for Mode Controller

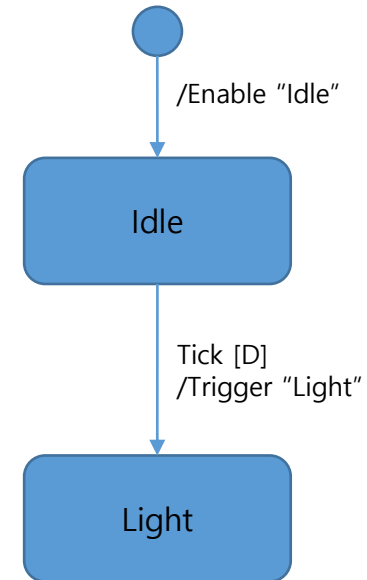


DFD Level 4 After(State Transition Diagram)

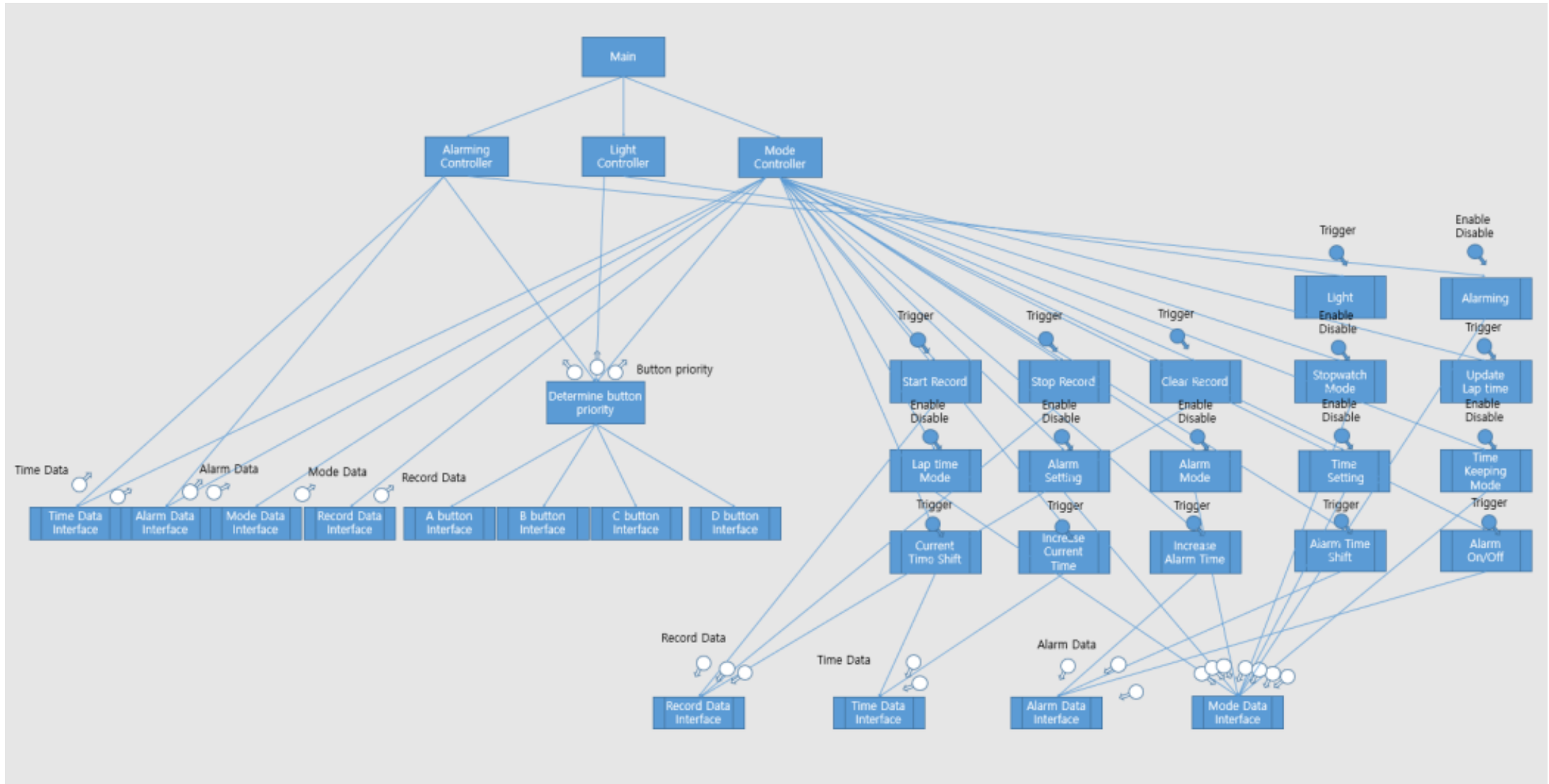
Alarm Controller



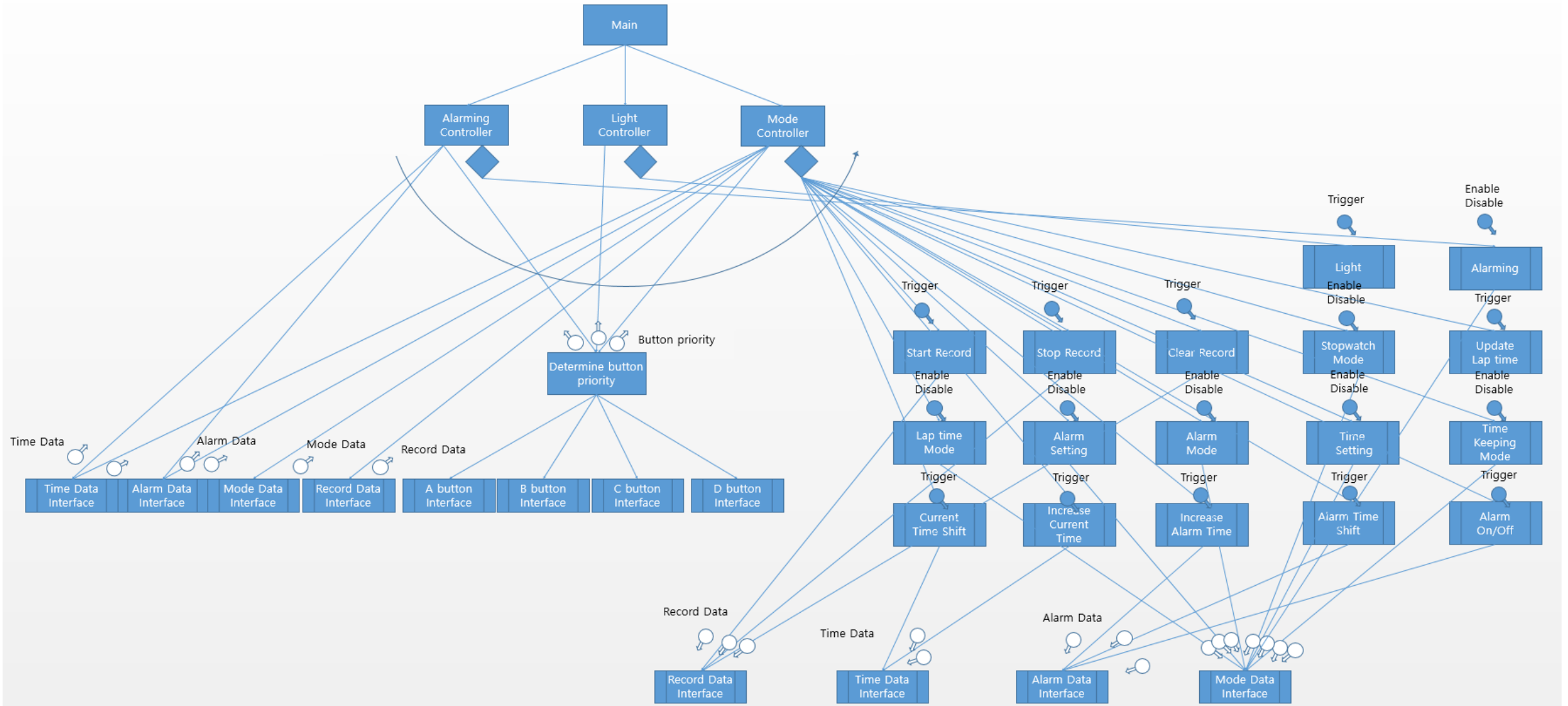
Light Controller



Structured Chart (Basic)



Structured Chart (Advanced)



감사합니다!