

# “ Public Transportation System ”

- #2 SD presentation -

T1 Team

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# INDEX

1. Changes
2. Transform Analysis
3. Structured Design(Basic)
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**1**

**Changes**

# RSA ver. 3.0

## ● RSA ver. 1.0

1. 단일 시스템으로 구성
2. State Transition Diagram 표현의 미숙
3. Control flow 표현의 미숙

## ● RSA ver. 2.0

1. 시스템을 4개로 구성(버스, 지하철, 수집, 정산) 요구사항에 맞지 않음
2. Data Dictionary에 불명확한 표현

## ● RSA ver. 3.0

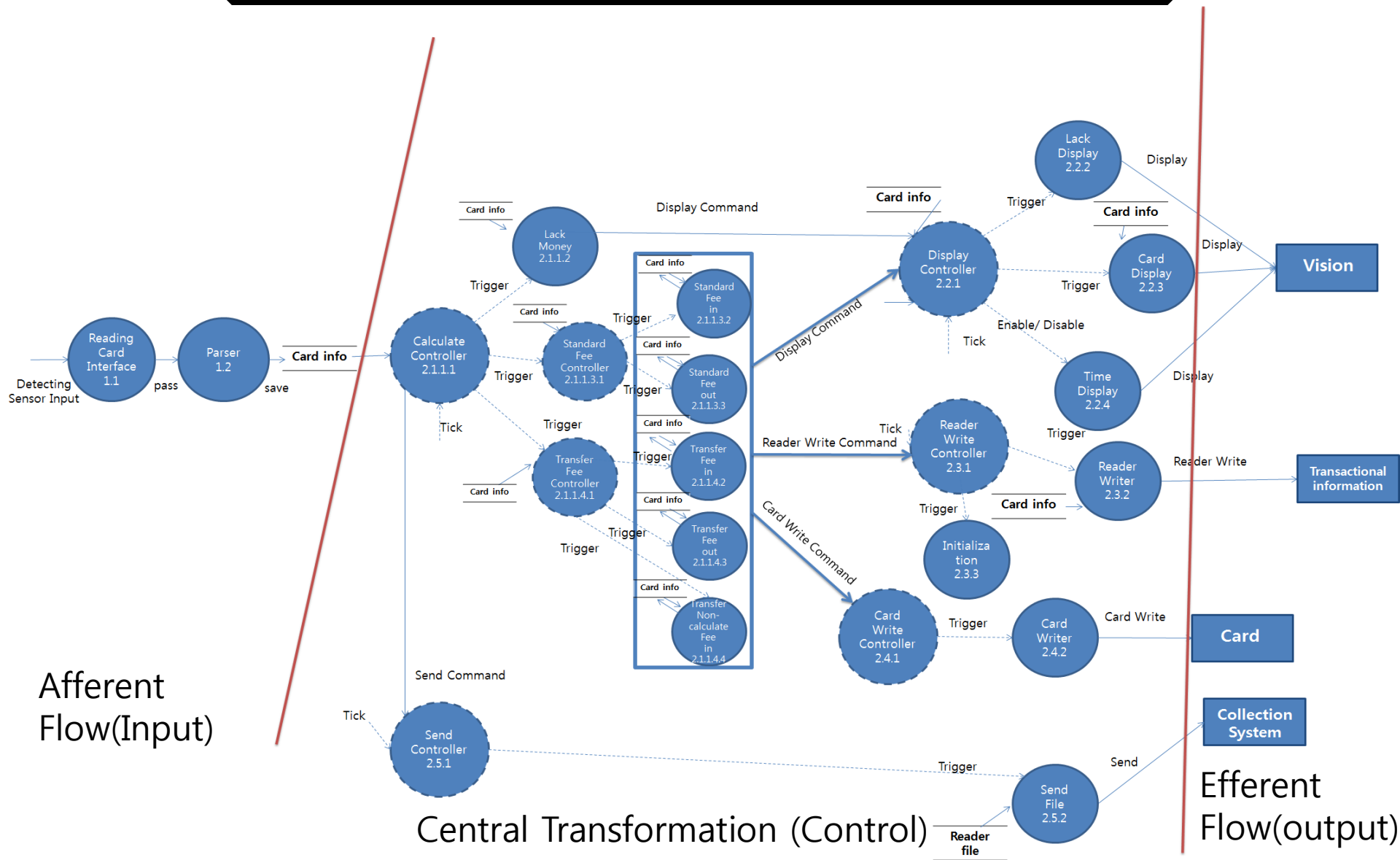
1. 시스템을 3개로 구성(버스, 지하철, 정산)
2. Data Dictionary에 타입을 좀더 명확하게 변경(진행 중)
3. State Transition Diagram (버스, 지하철) 전송 controller에 대한 부분 추가

Changes

2

# Transform Analysis

# TRANSFORM ANALYSIS



# BUS READER SYSTEM DFD OVERALL

# TRANSFORM ANALYSIS

Control

Input

- Card info

Process

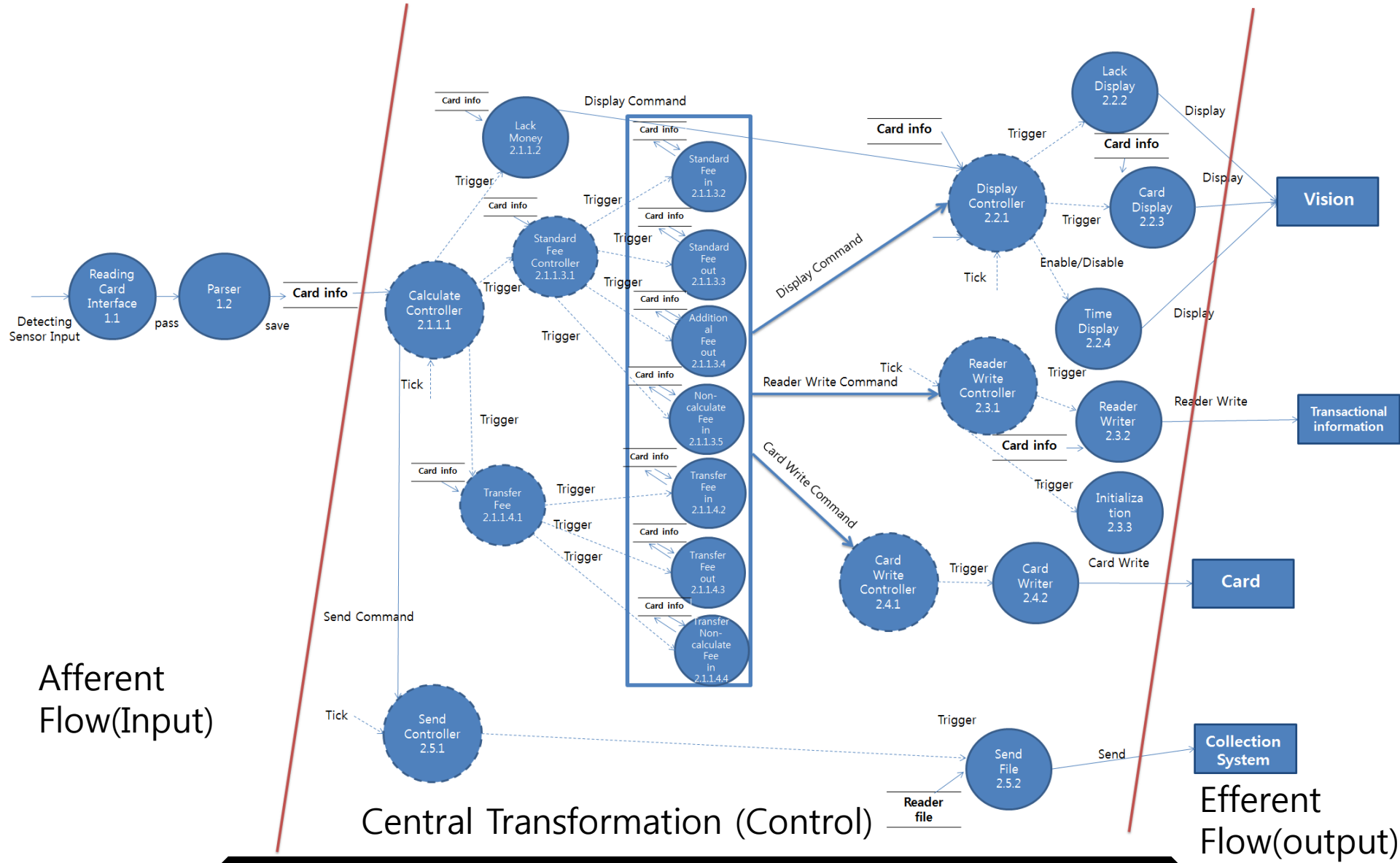
- Calculate Controller
- Standard Fee Controller
- Transfer Fee Controller
- Display Controller
- Reader Write Controller
- Card Write Controller
- Send Controller

Output

- Vision
- Transactional information
- Card
- Collection System

BUS READER SYSTEM TRANSFORM ANALYSIS

# TRANSFORM ANALYSIS



# METRO READER SYSTEM DFD OVERALL



# TRANSFORM ANALYSIS

## Control

### Input

- Card info

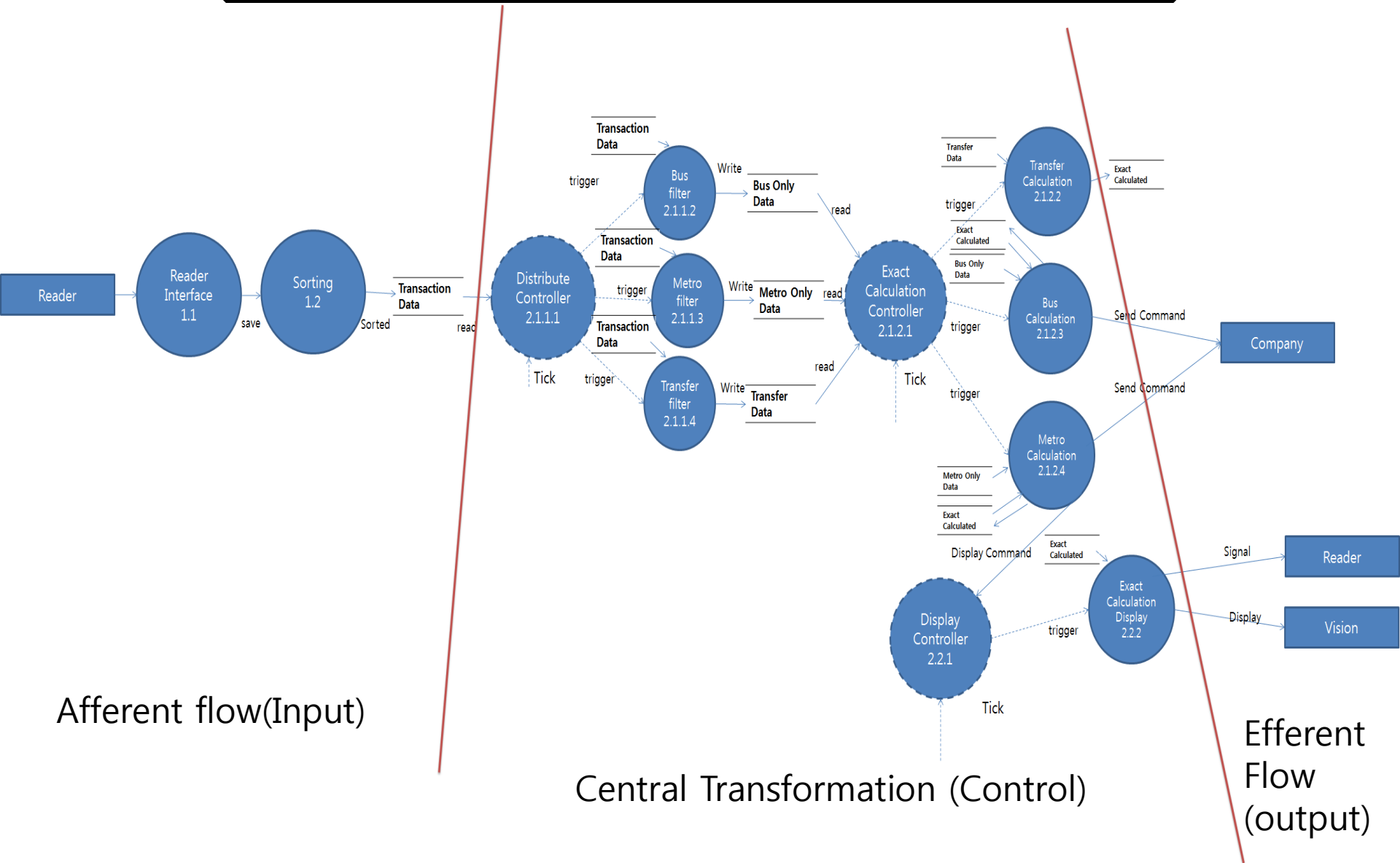
### Process

- Calculate Controller
- Standard Fee Controller
- Transfer Fee Controller
- Display Controller
- Reader Write Controller
- Card Write Controller
- Send Controller

### Output

- Vision
- Transactional information
- Card
- Collection System

# TRANSFORM ANALYSIS



## EXACT CALCULATION SYSTEM DFD OVERALL

# TRANSFORM ANALYSIS

Control

Input

- Transaction Data

Process

- Distribute Controller
- Exact Calculation Controller
- Display Controller

Output

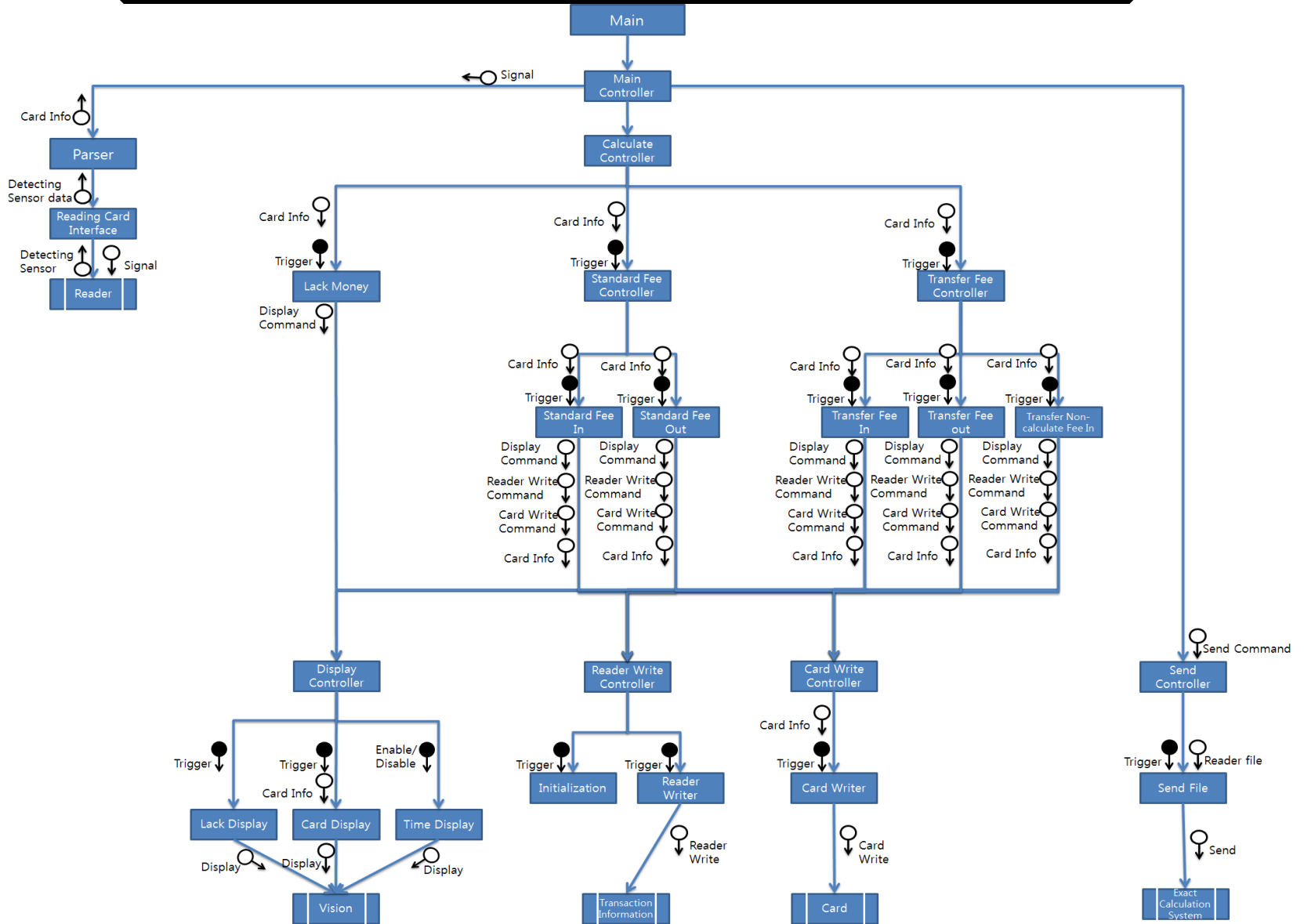
- Vision
- Reader
- Company

EXACT CALCULATION SYSTEM TRANSFORM ANALYSIS

**3**

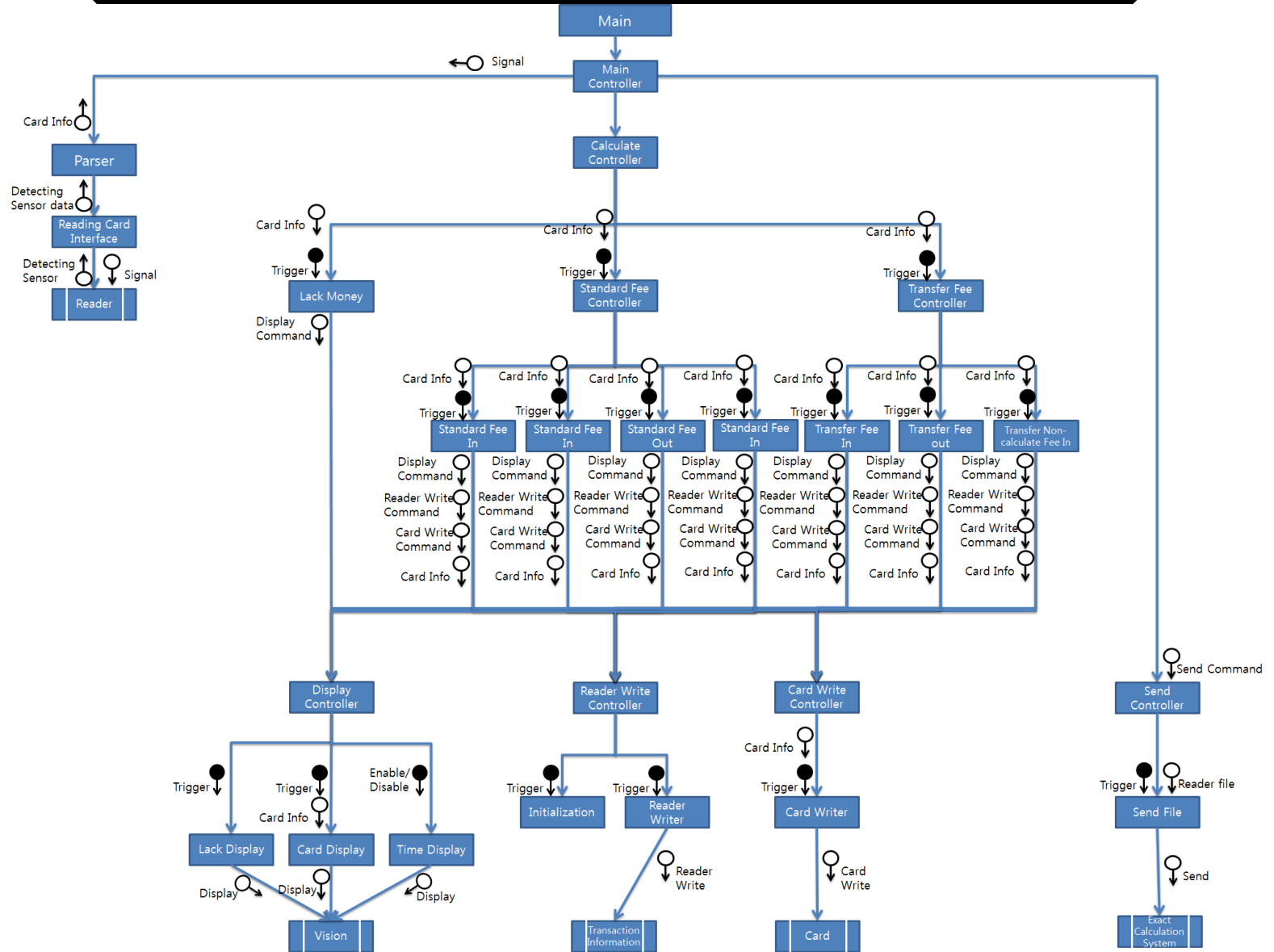
**Structured Design  
(BASIC)**

# STRUCTURED DESIGN(BASIC)



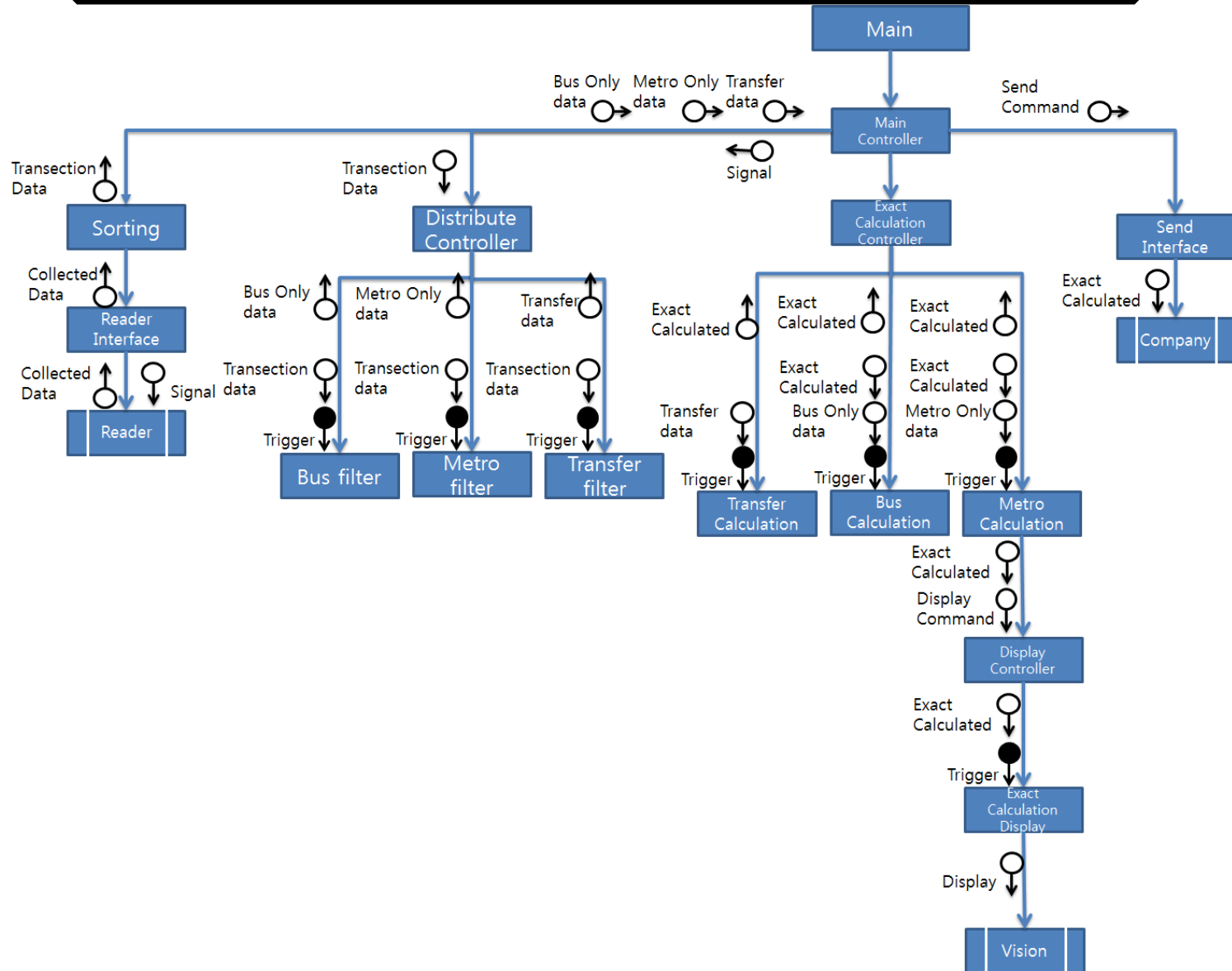
# BUS READER SYSTEM SD(BASIC)

# STRUCTURED DESIGN(BASIC)



# METRO READER SYSTEM SD(BASIC)

# STRUCTURED DESIGN(BASIC)



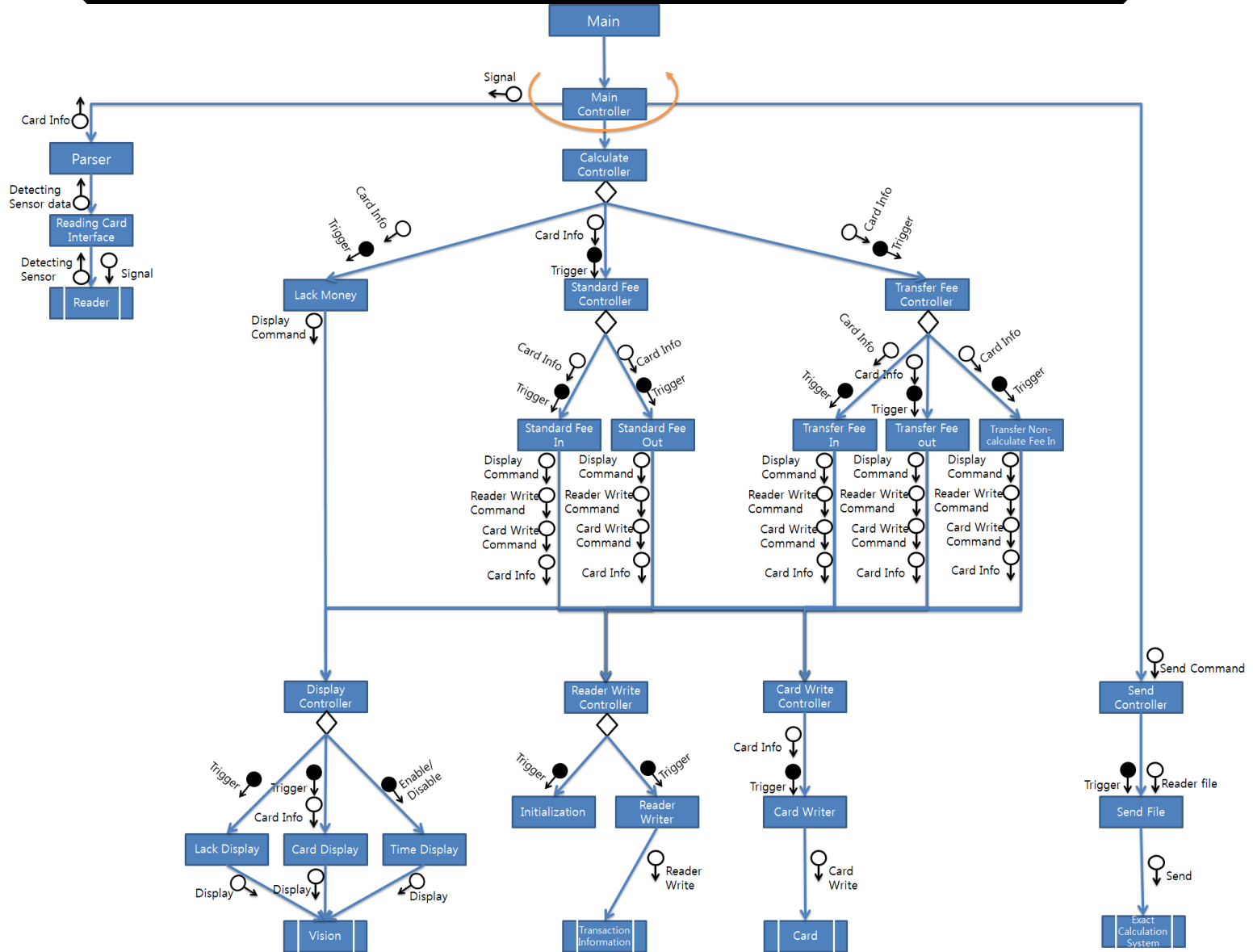
# EXACT CALCULATION SYSTEM SD(BASIC)

4

**Structured Design  
(ADVANCED)**

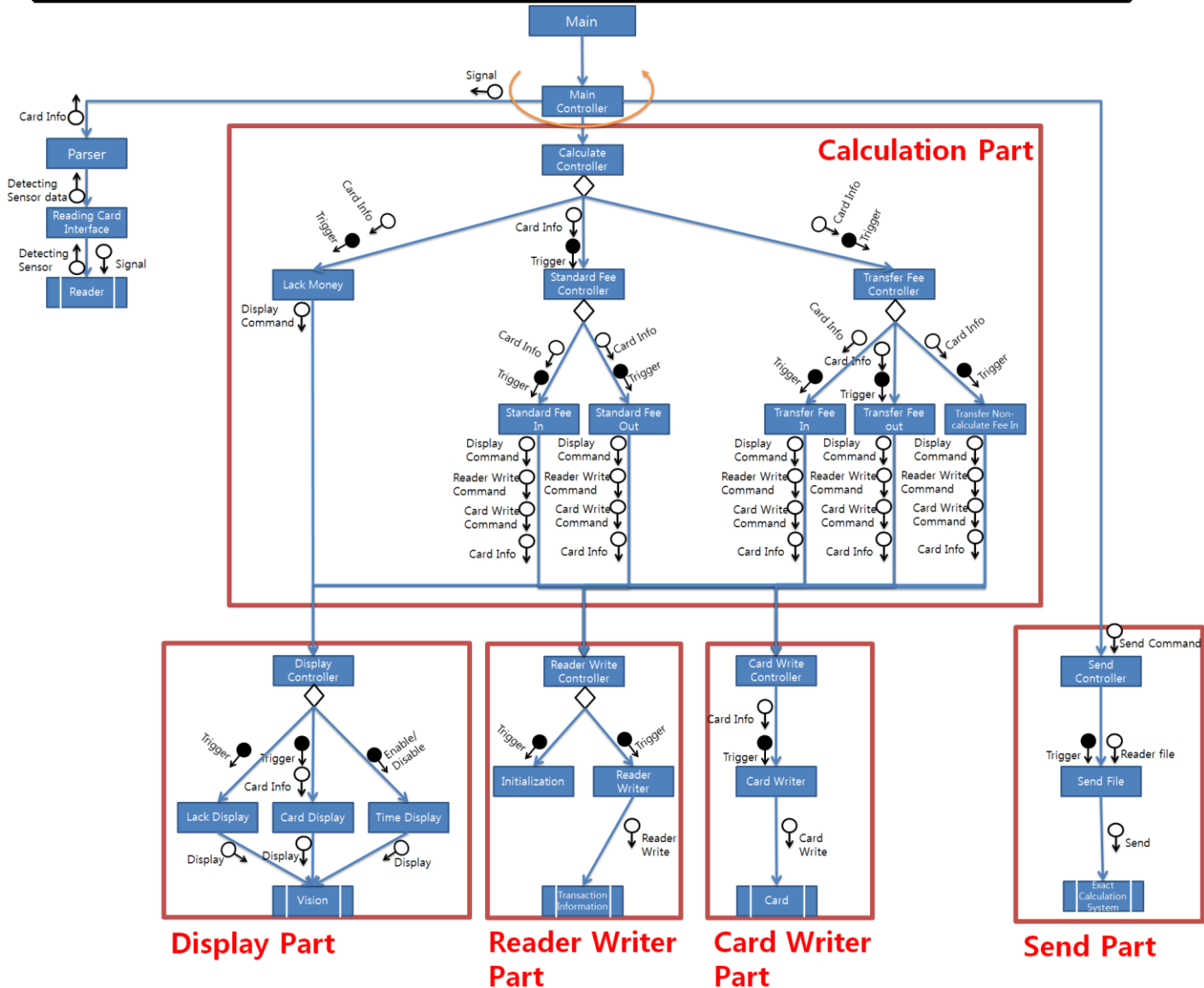


# STRUCTURED DESIGN(ADVANCED)



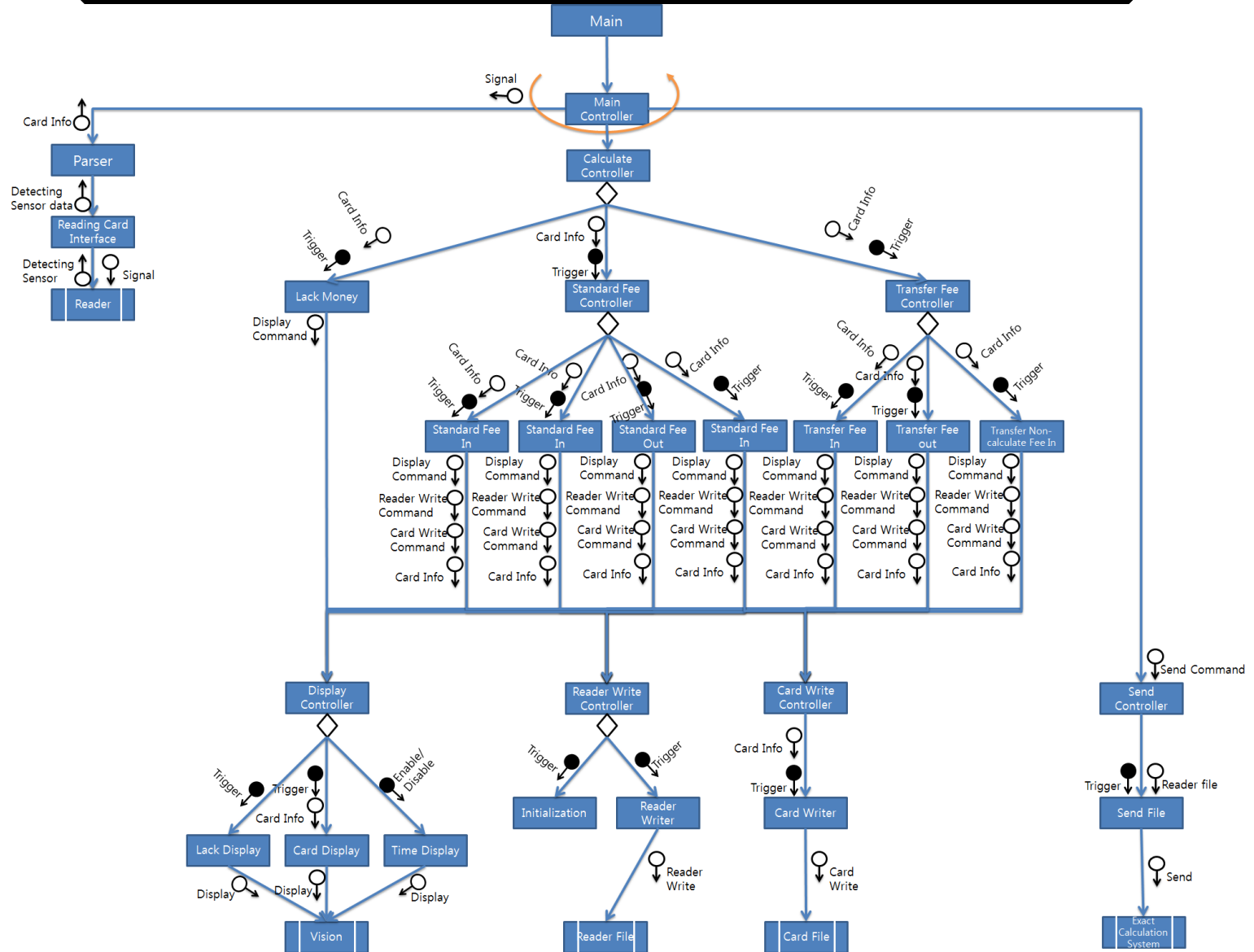
# BUS READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



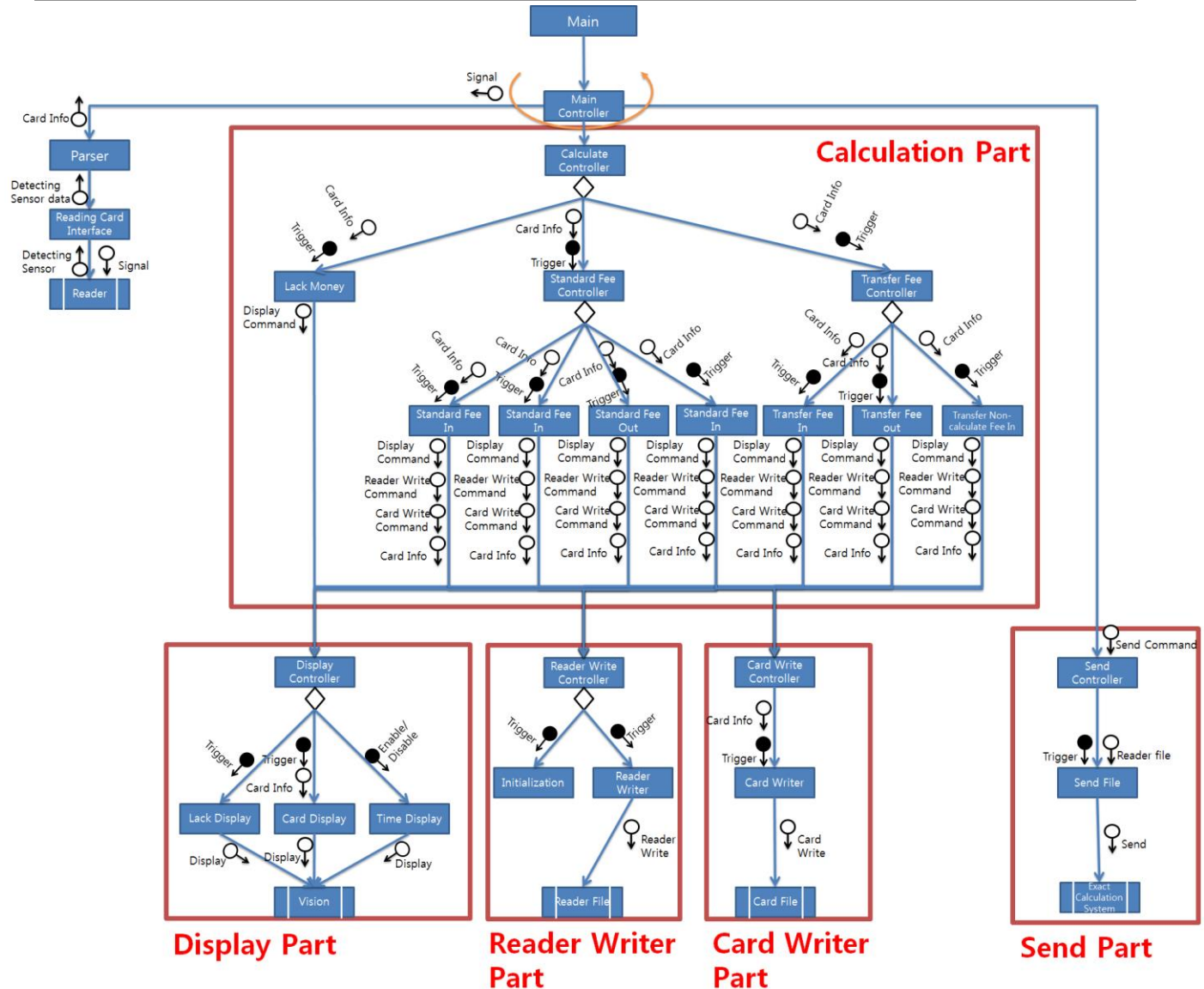
# BUS READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



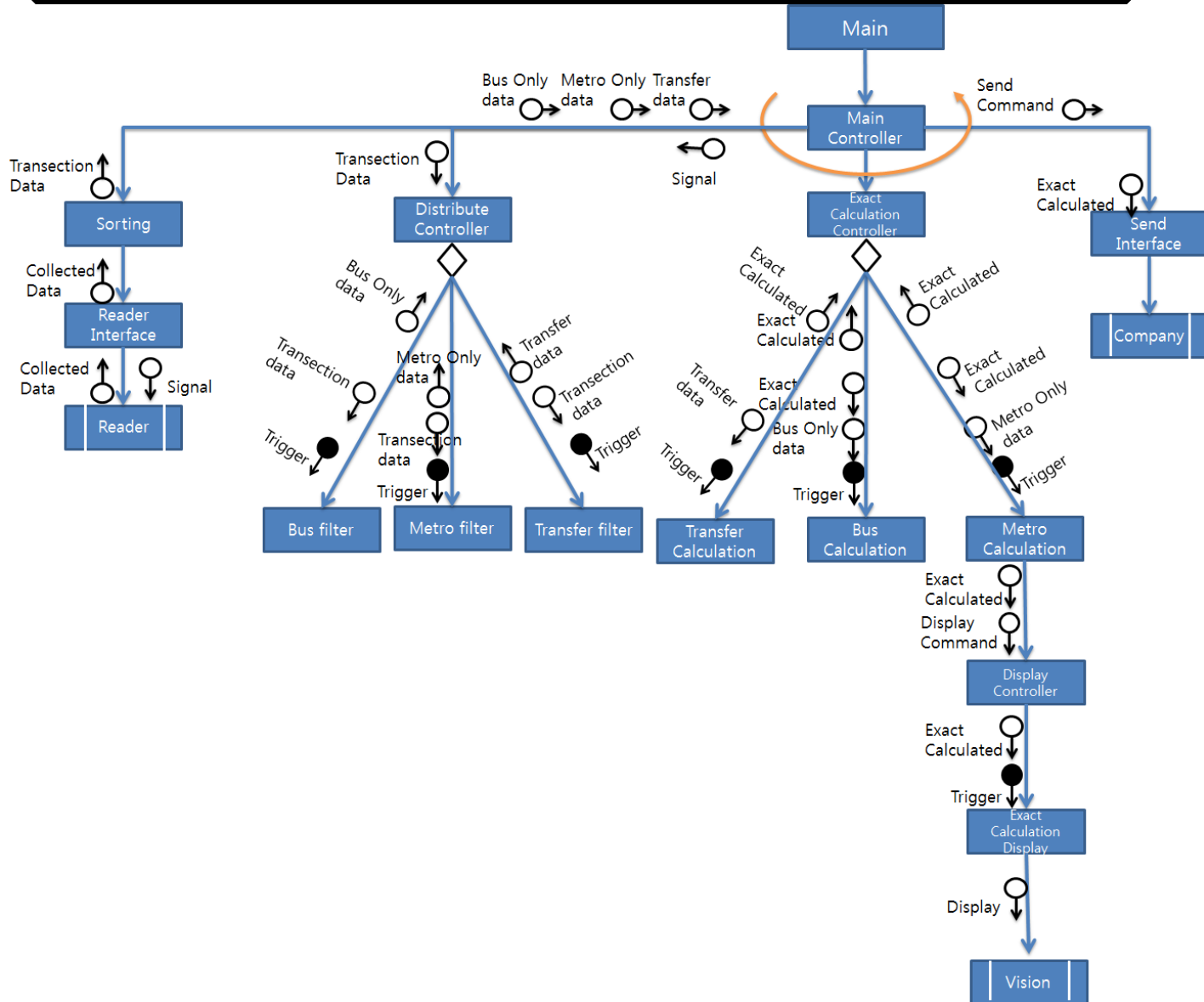
# METRO READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



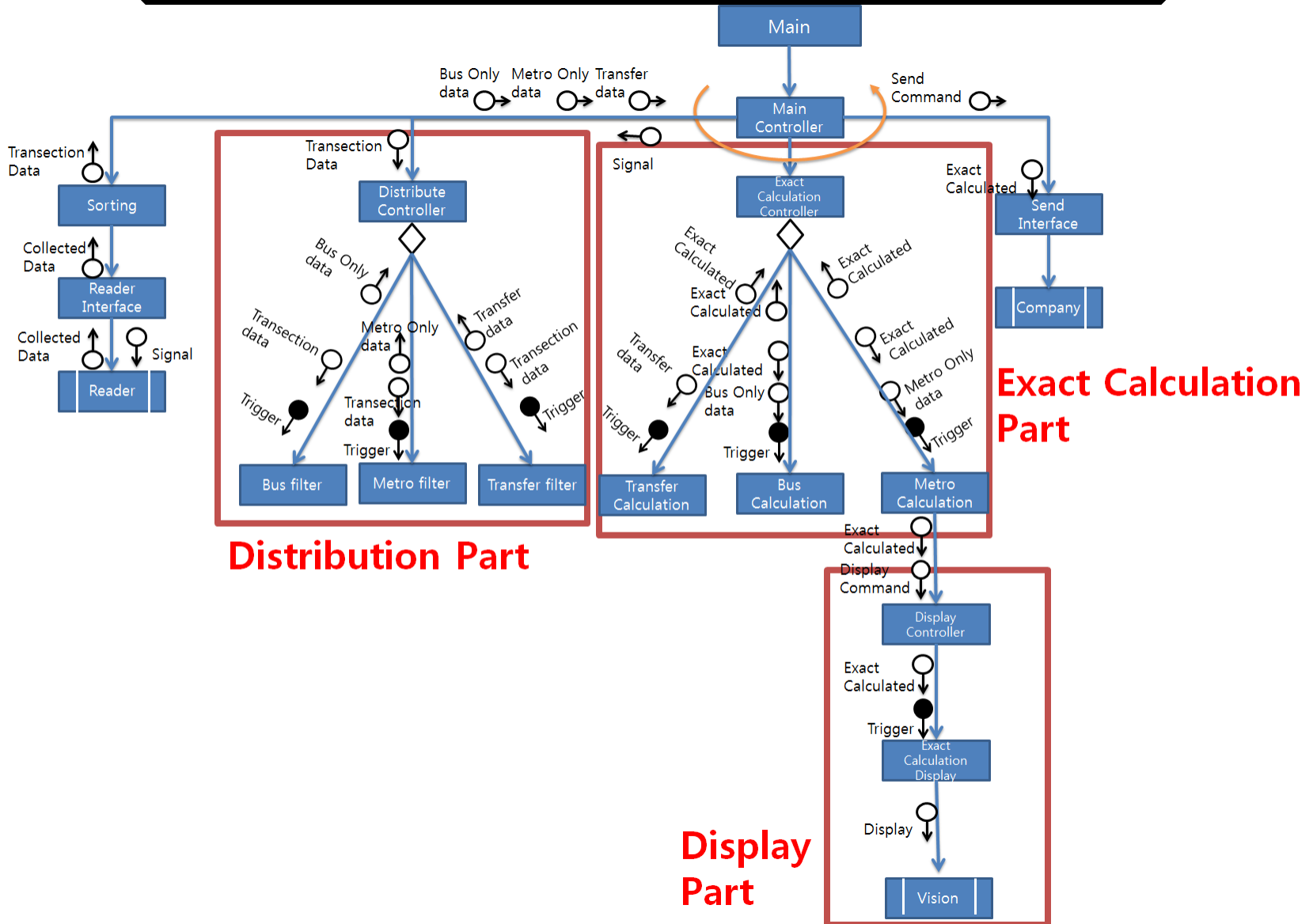
# METRO READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



# EXACT CALCULATION SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



# EXACT CALCULATION SYSTEM SD(ADVANCED)



**Q&A**





**T**HANK YOU

