

# “ Public Transportation ” System

- #2 SD presentation -

T1 Team

201011320 김용현

201111346 김준호

201111354 박정민

# INDEX

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

**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

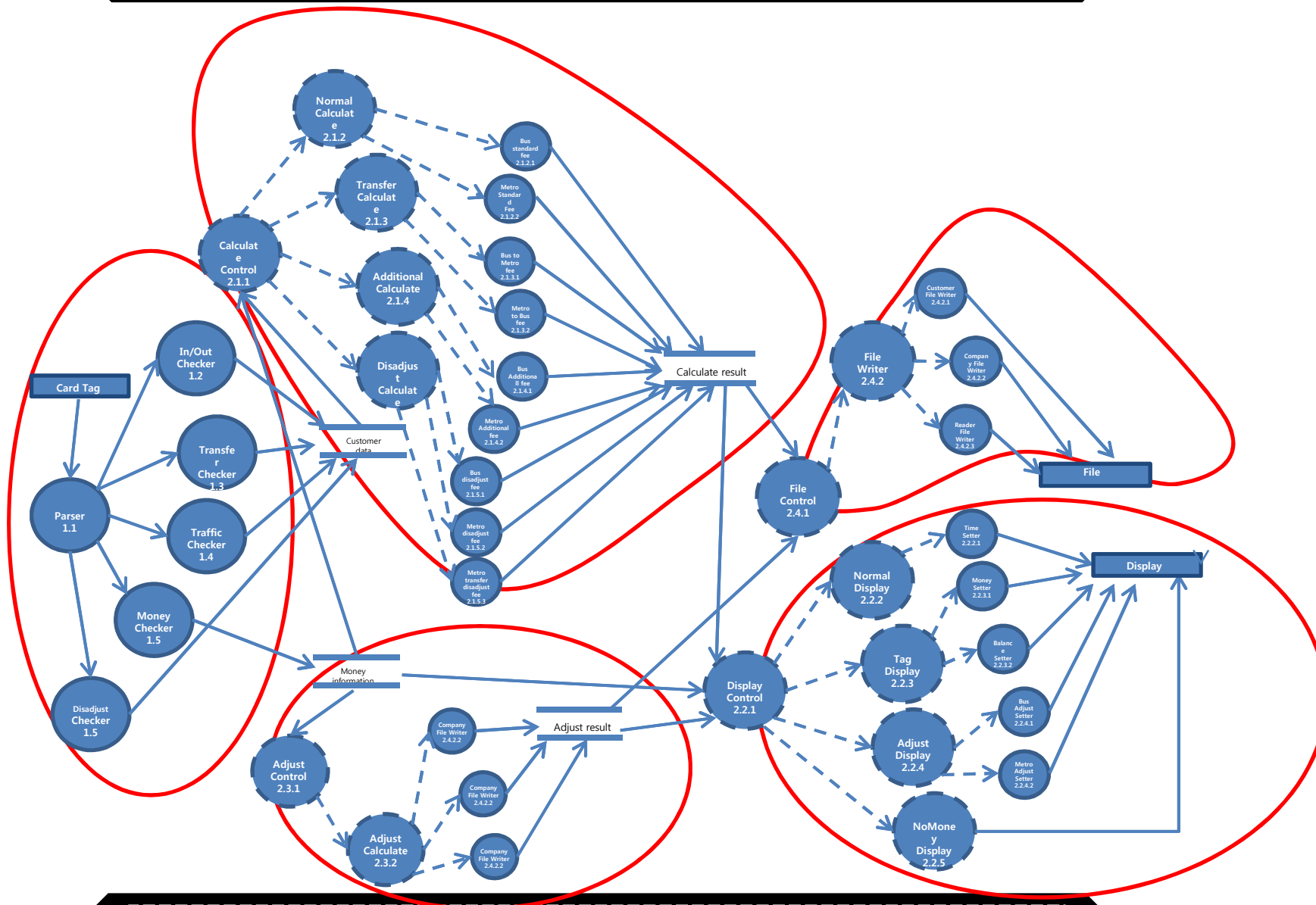
1. 시스템을 4개로 구성(버스, 지하철, 수집, 정산) 요구사항에 맞지 않음
2. Data Dictionary에 불명확한 표현

## ● 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

# RSA ver. 1.0

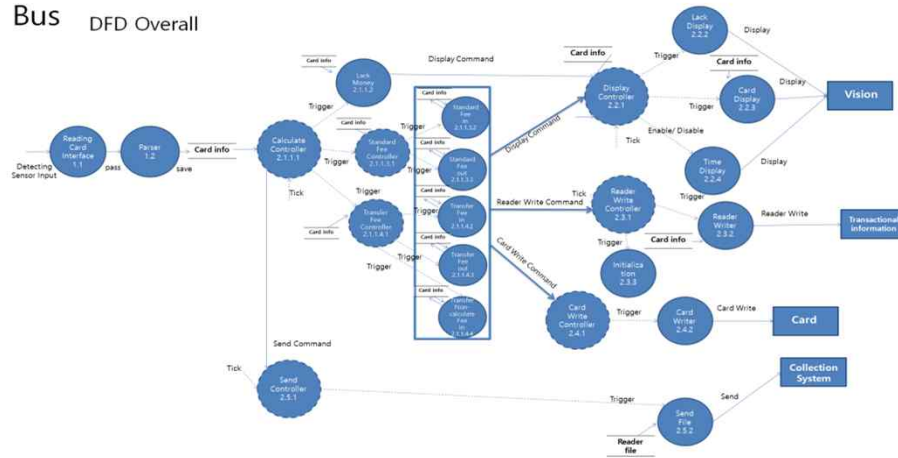


Changes

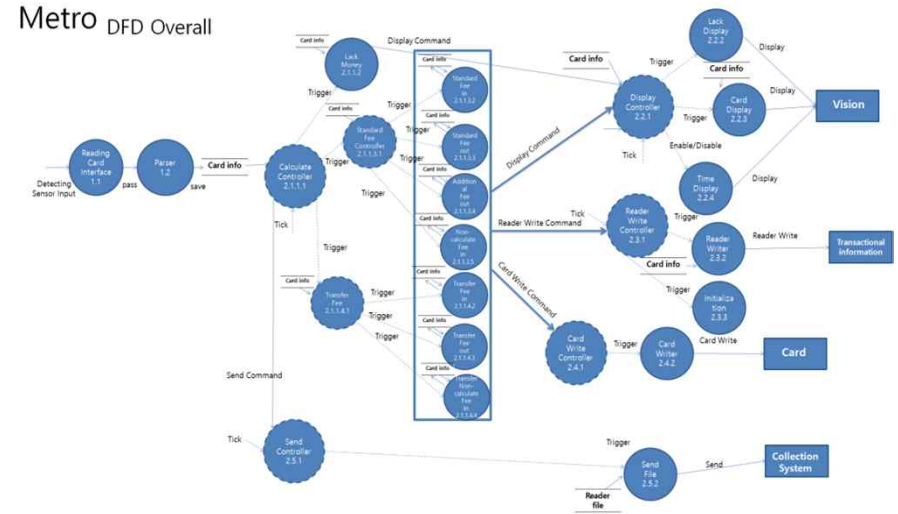


# RSA ver. 3.0

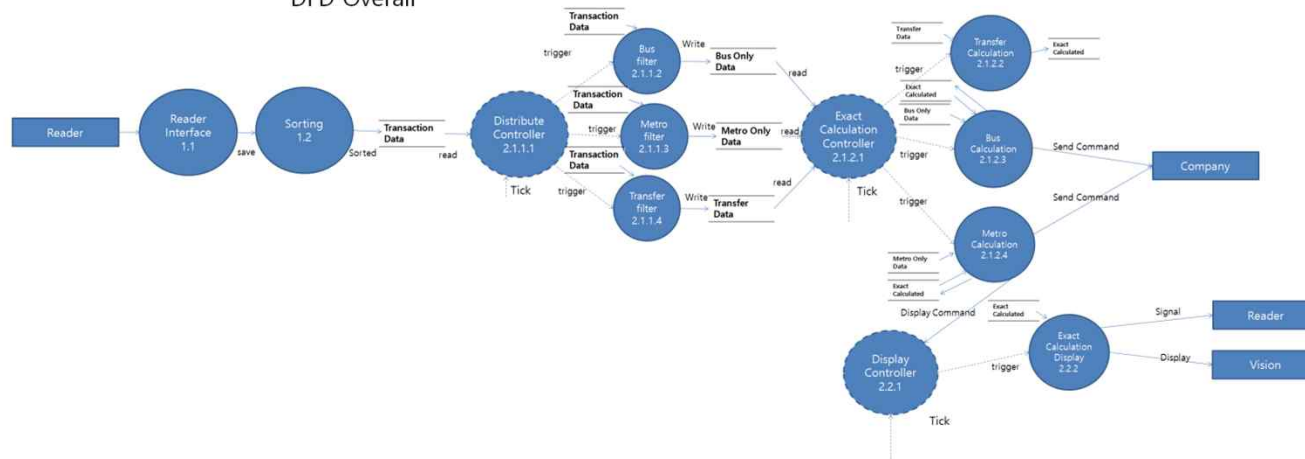
Bus DFD Overall



Metro DFD Overall

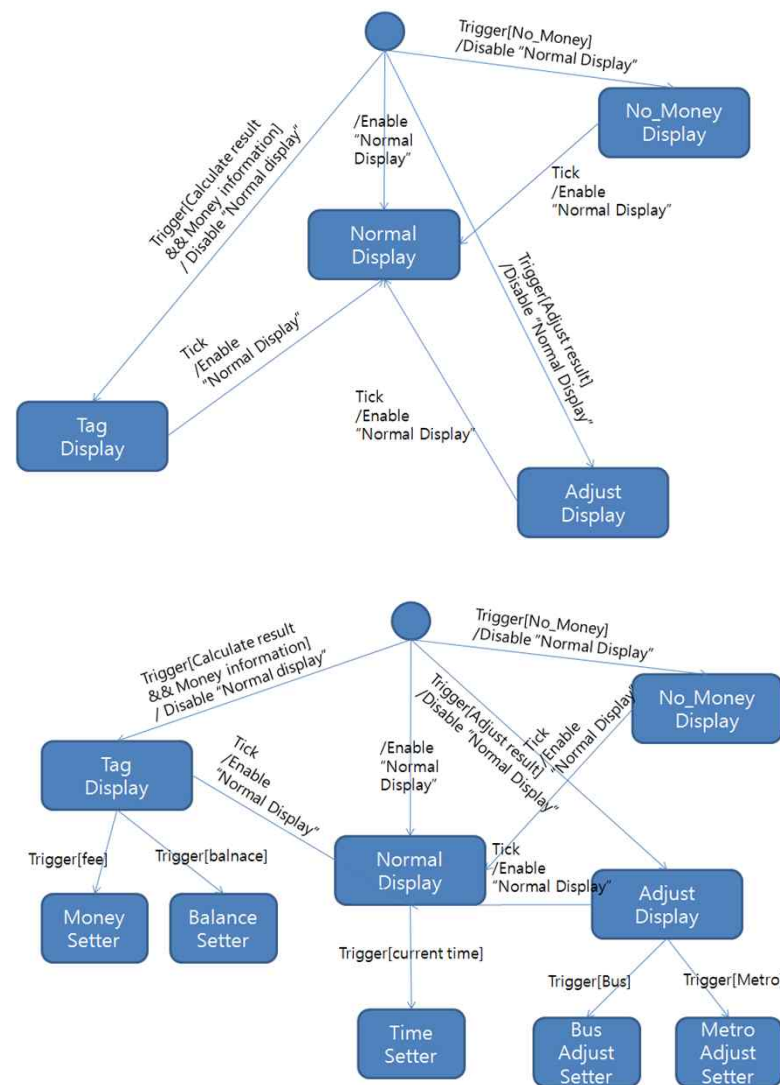
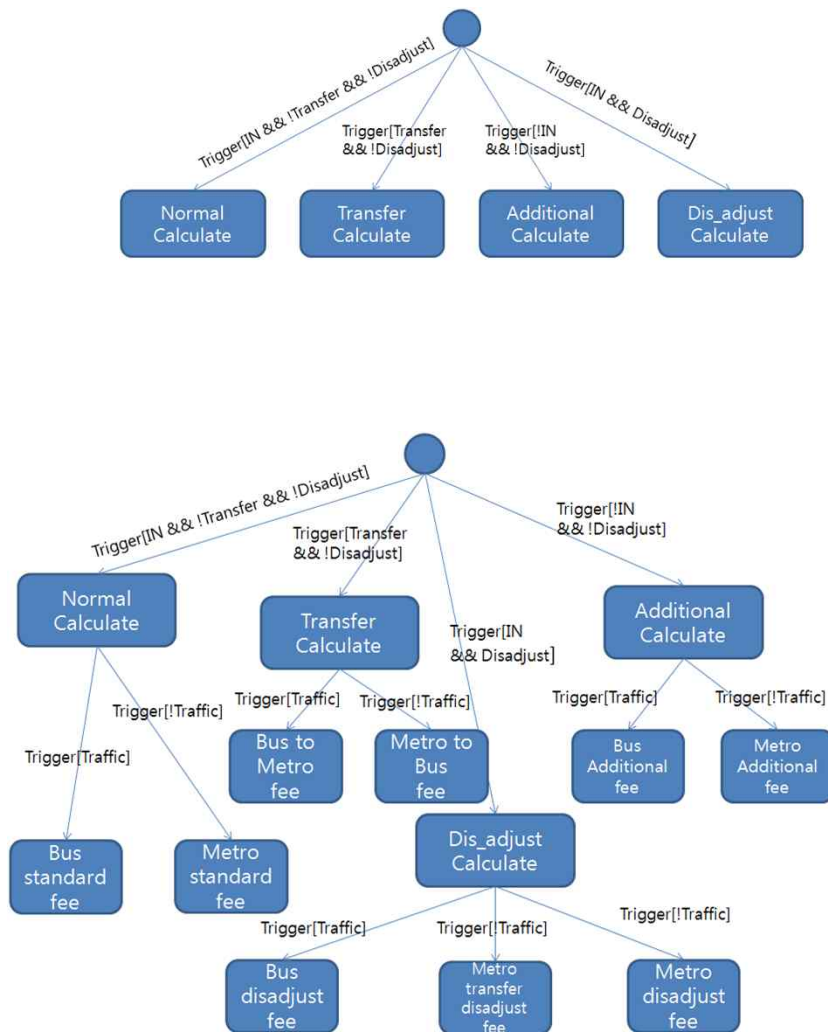


Exact Calculation DFD Overall



# Changes

# RSA ver. 1.0

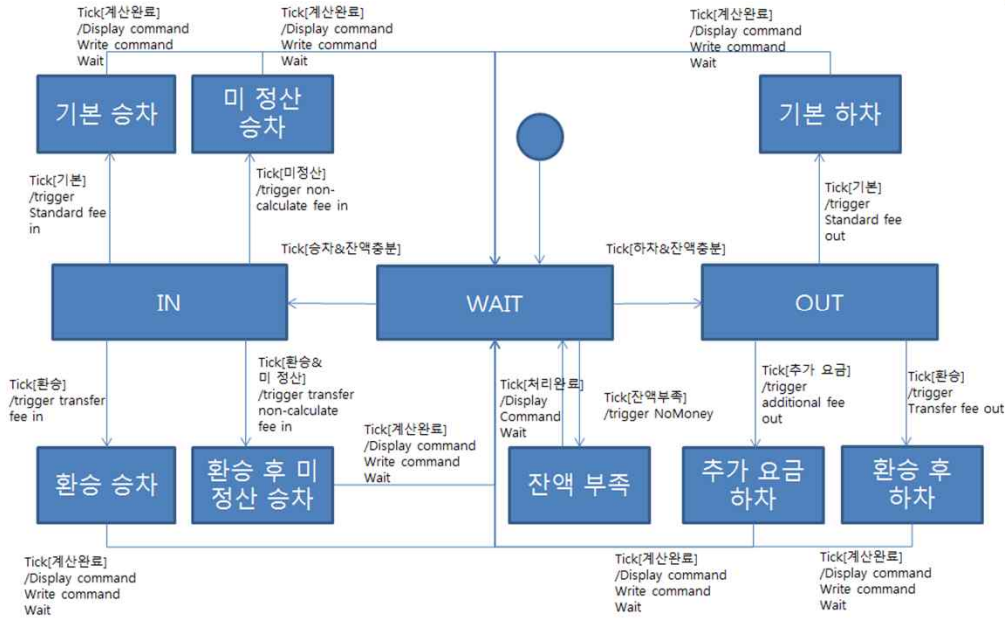


Changes

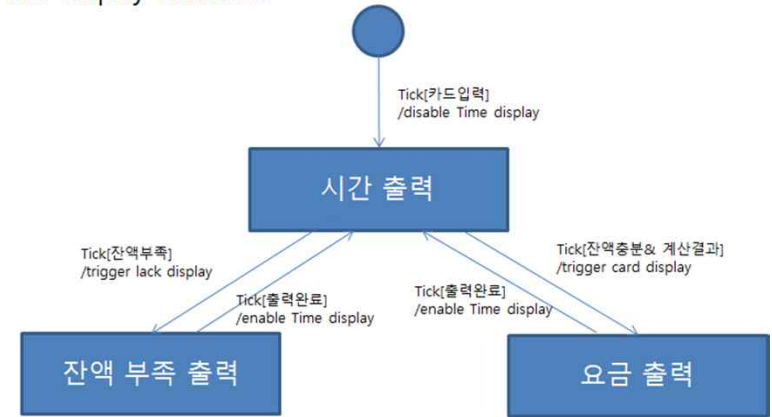


# RSA ver. 2.0

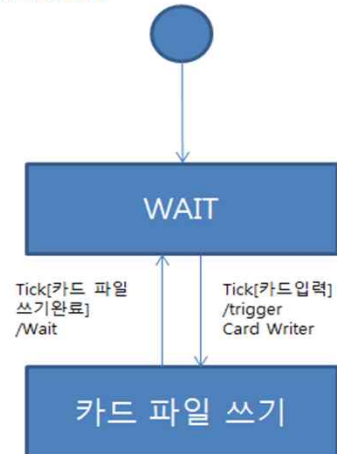
Metro STD Calculate Controller (2.1.1.1)



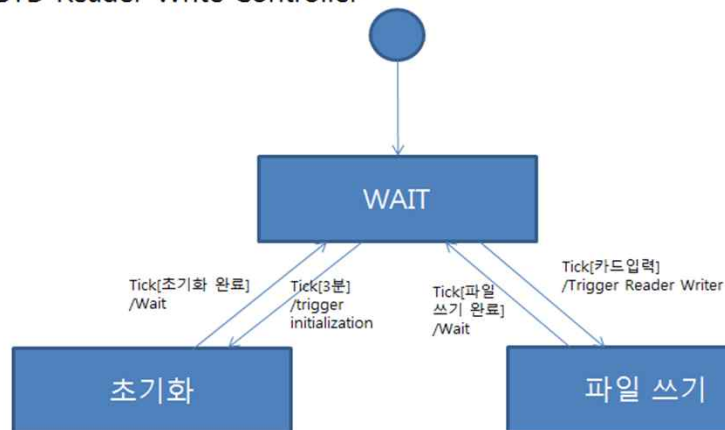
METRO STD Display Controller (2.2.1)



METRO STD Card Write Controller (2.4.1)



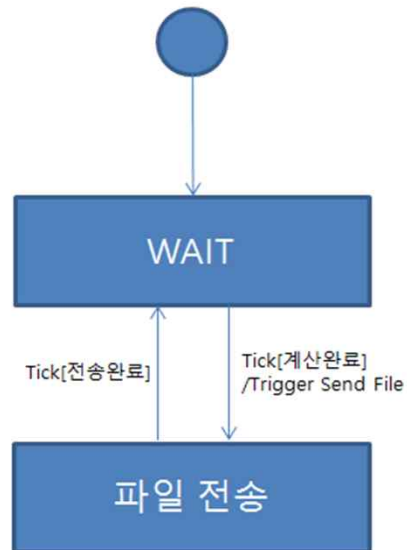
METRO STD Reader Write Controller (2.3.1)



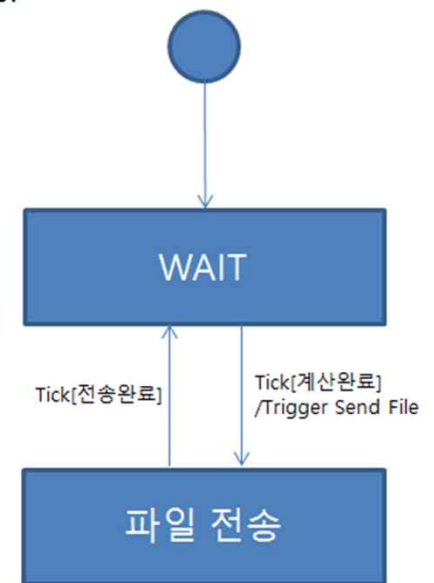
Changes

# RSA ver. 3.0

BUS STD Send Controller  
(2.5.1)



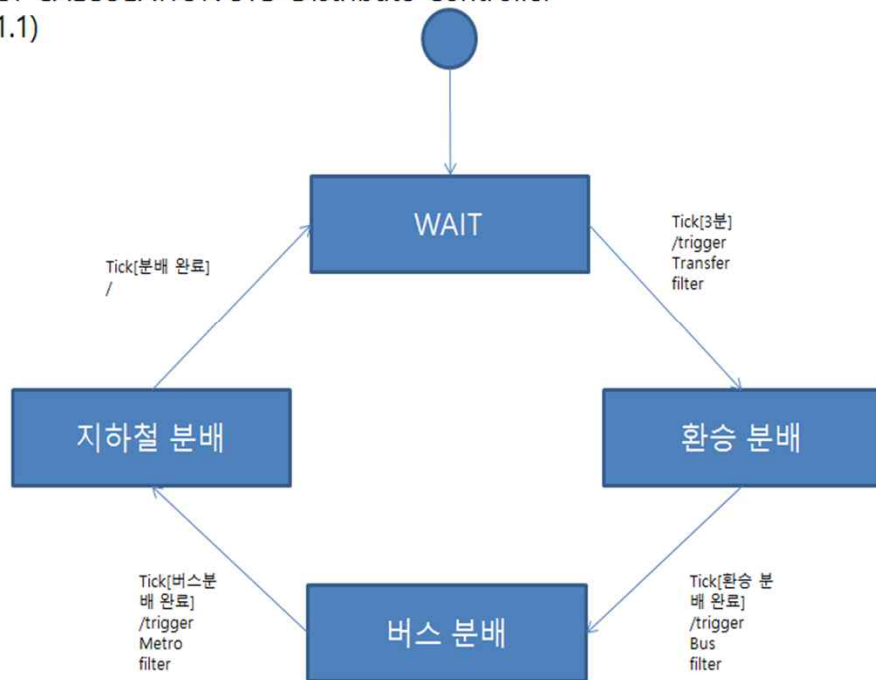
METRO STD Send Controller  
(2.5.1)



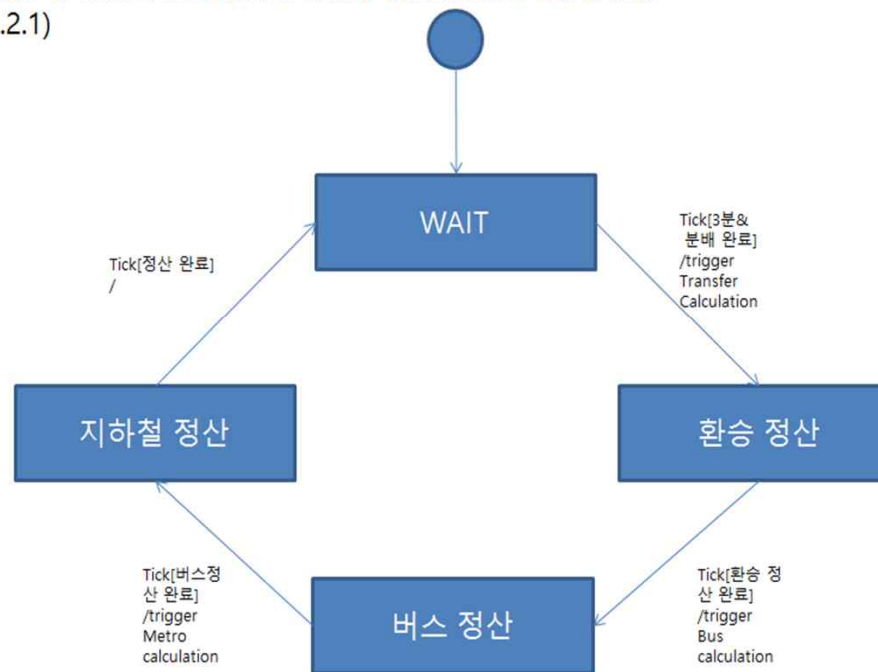
Changes

# RSA ver. 3.0

EXACT CALCULATION STD Distribute Controller  
(2.1.1.1)



EXACT CALCULATION STD Exact Calculation Controller  
(2.1.2.1)

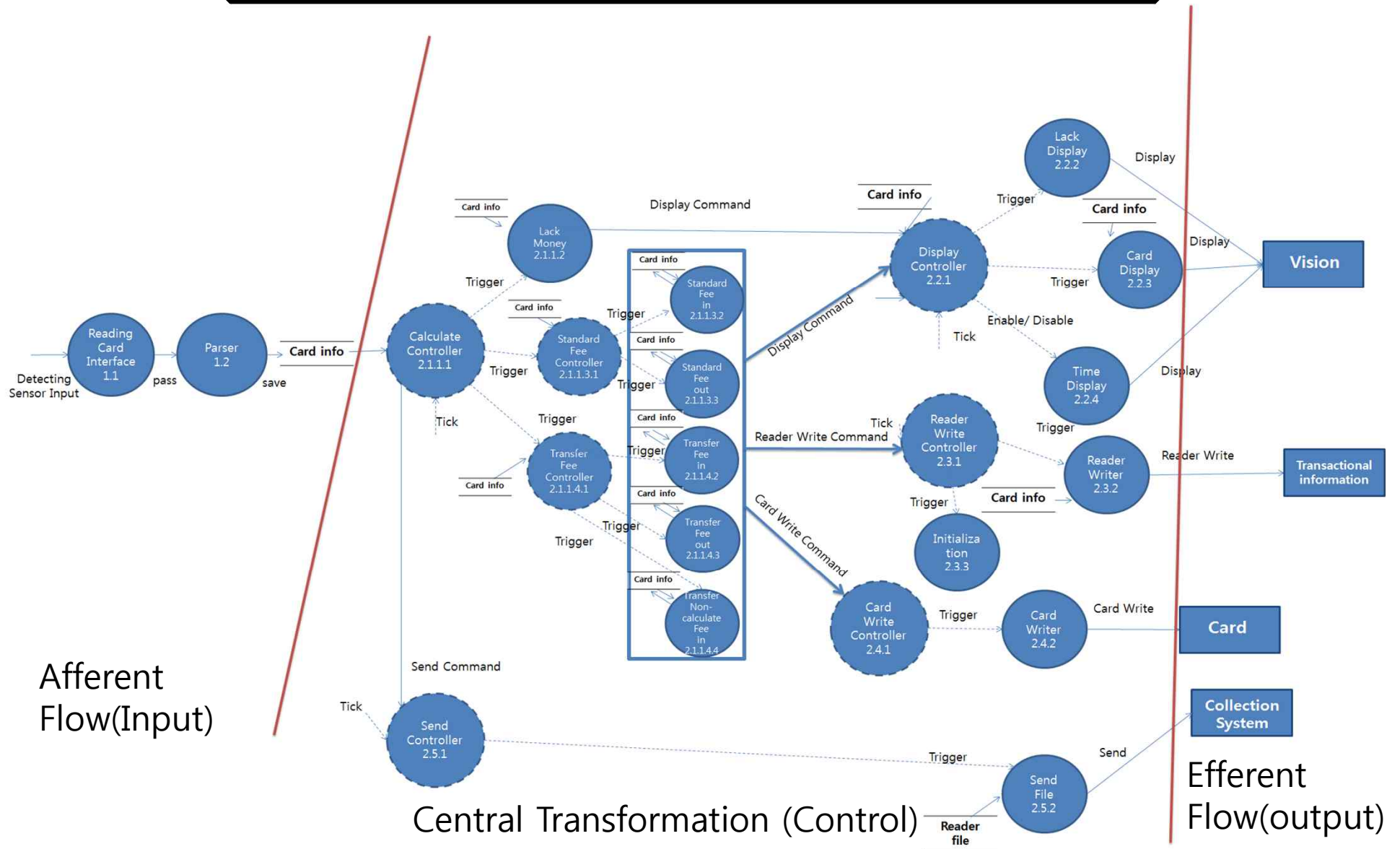


Changes

2

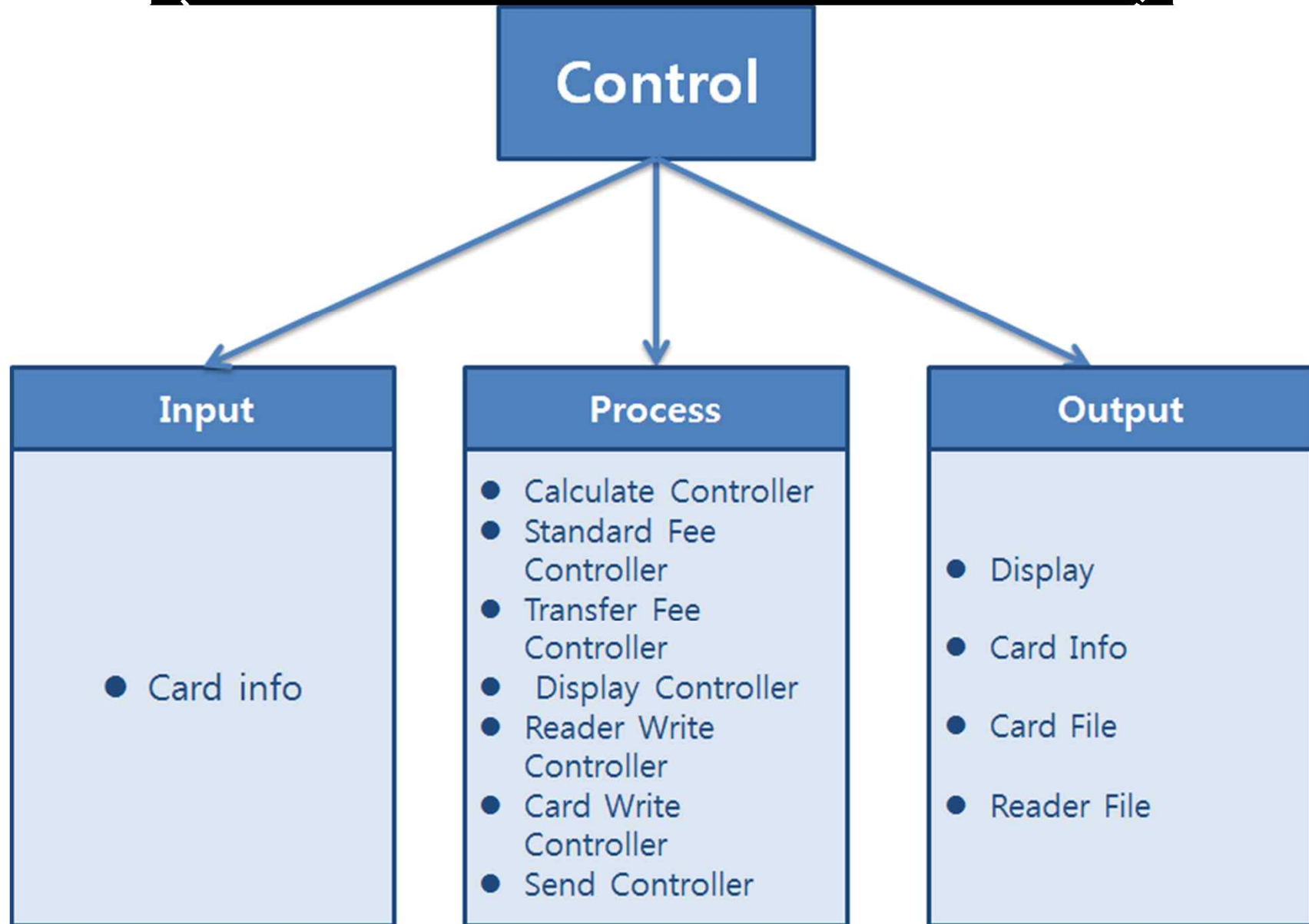
# Transform Analysis

# TRANSFORM ANALYSIS



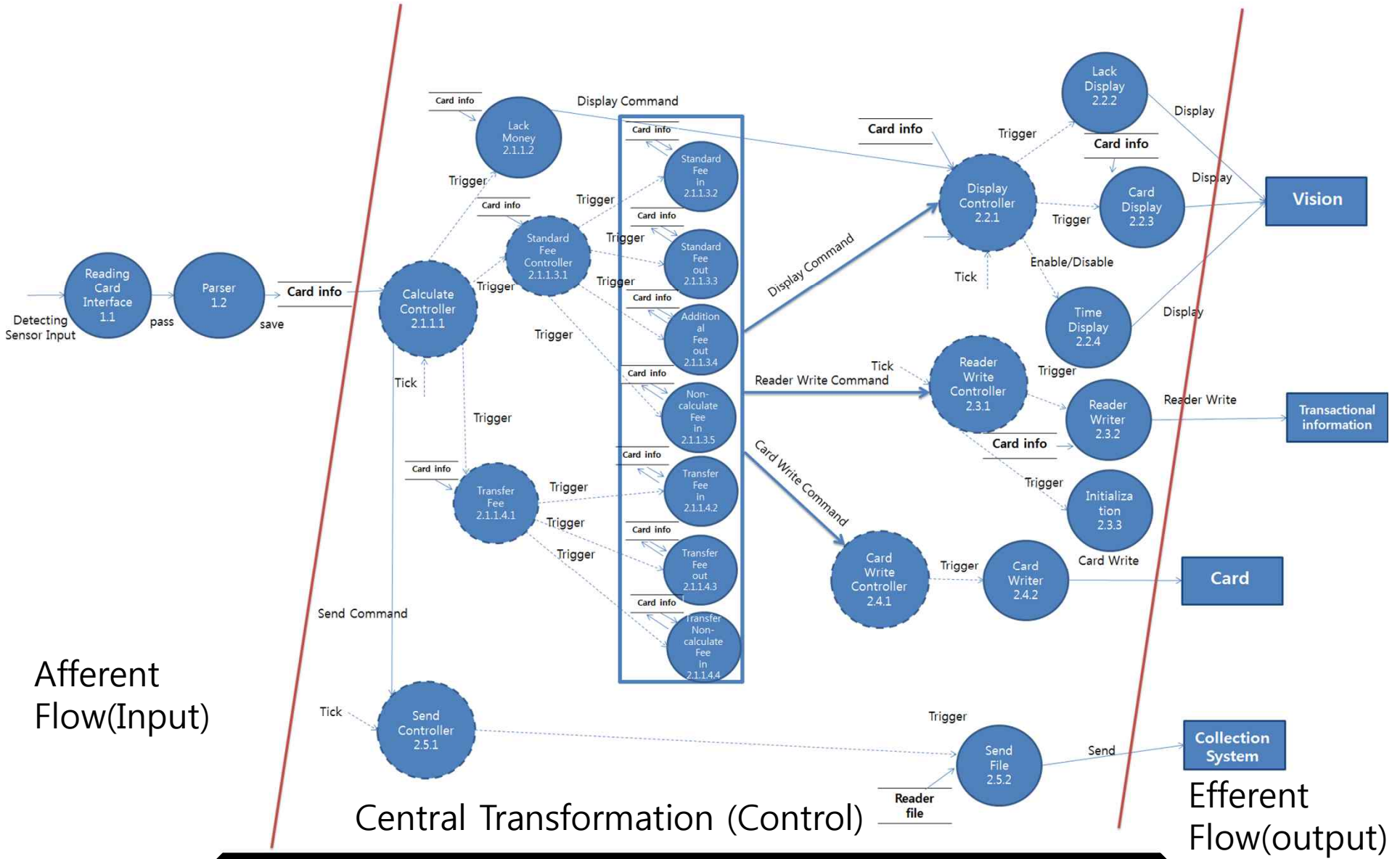
# BUS READER SYSTEM DFD OVERALL

# TRANSFORM ANALYSIS



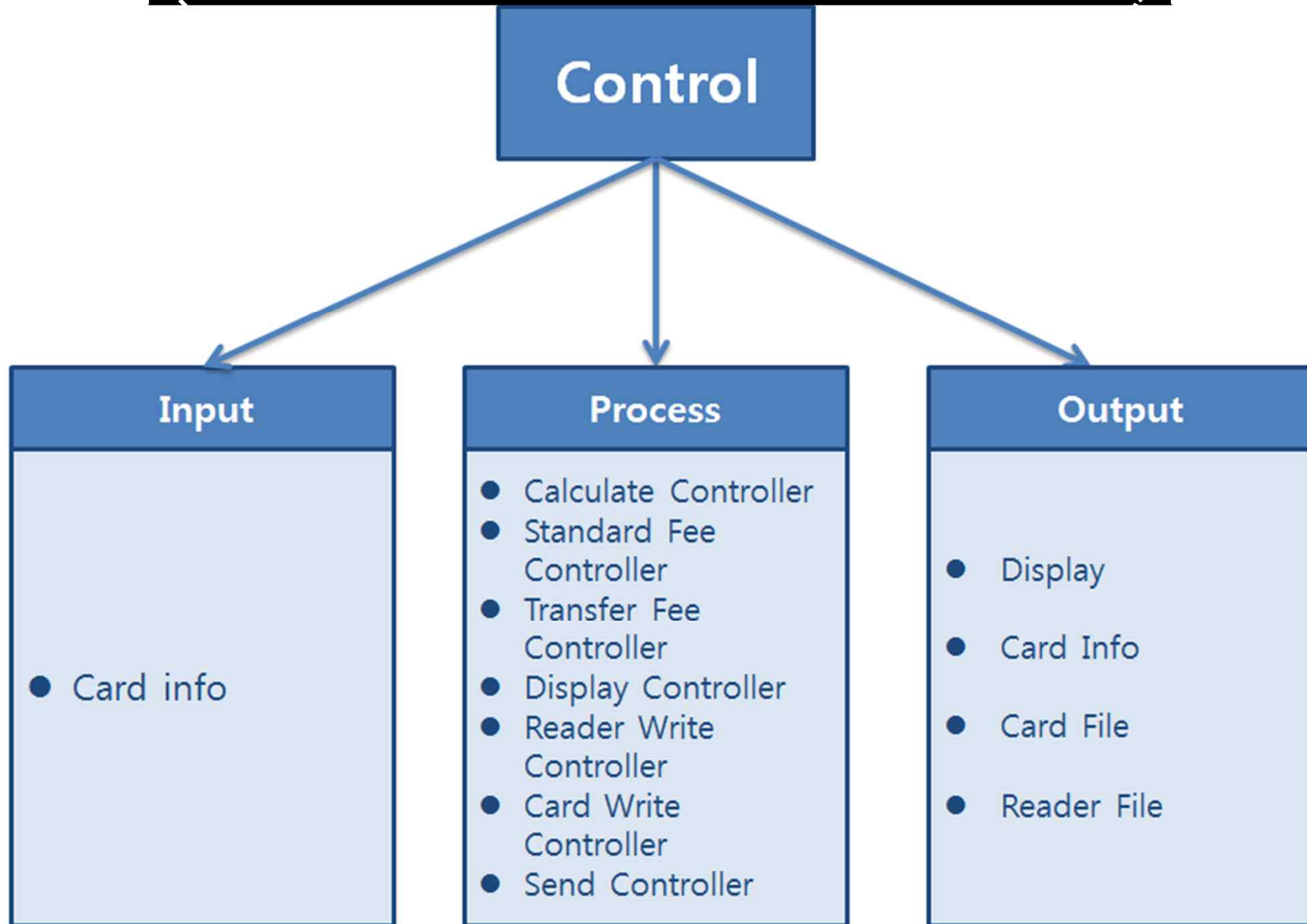
**BUS READER SYSTEM TRANSFORM ANALYSIS**

# TRANSFORM ANALYSIS



# METRO READER SYSTEM DFD OVERALL

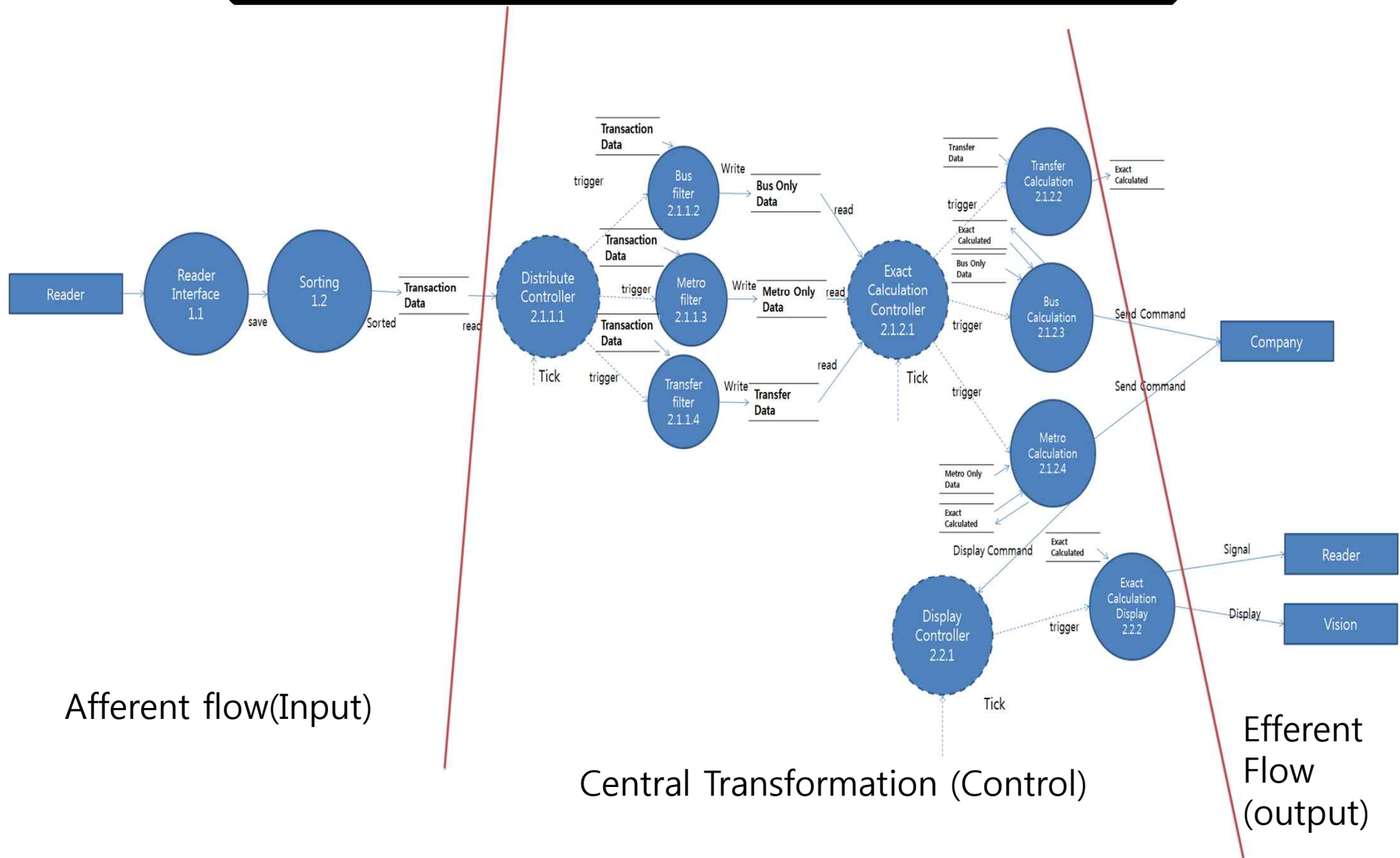
# TRANSFORM ANALYSIS



METRO READER SYSTEM TRANSFORM ANALYSIS

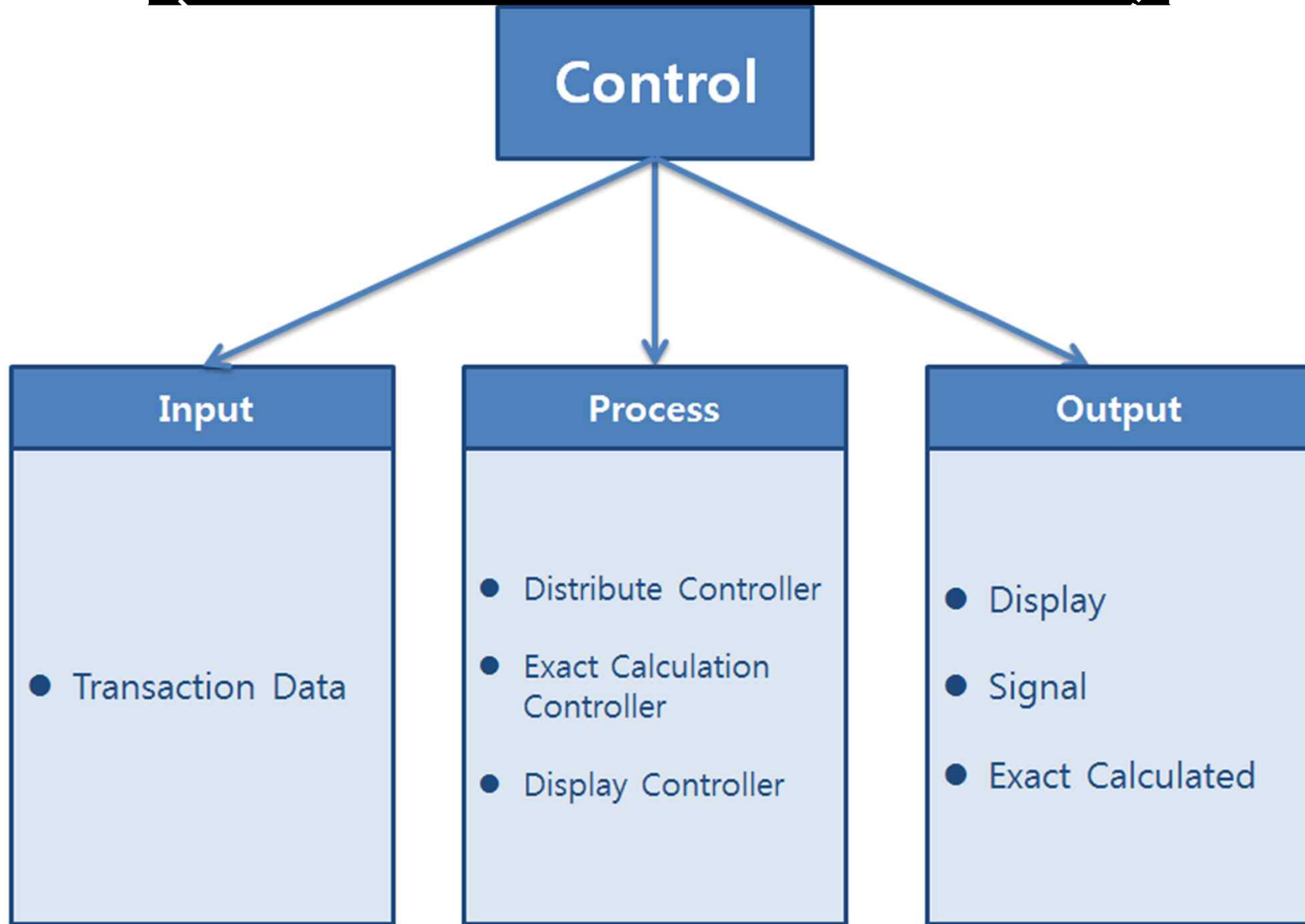


# TRANSFORM ANALYSIS



## EXACT CALCULATION SYSTEM DFD OVERALL

# TRANSFORM ANALYSIS

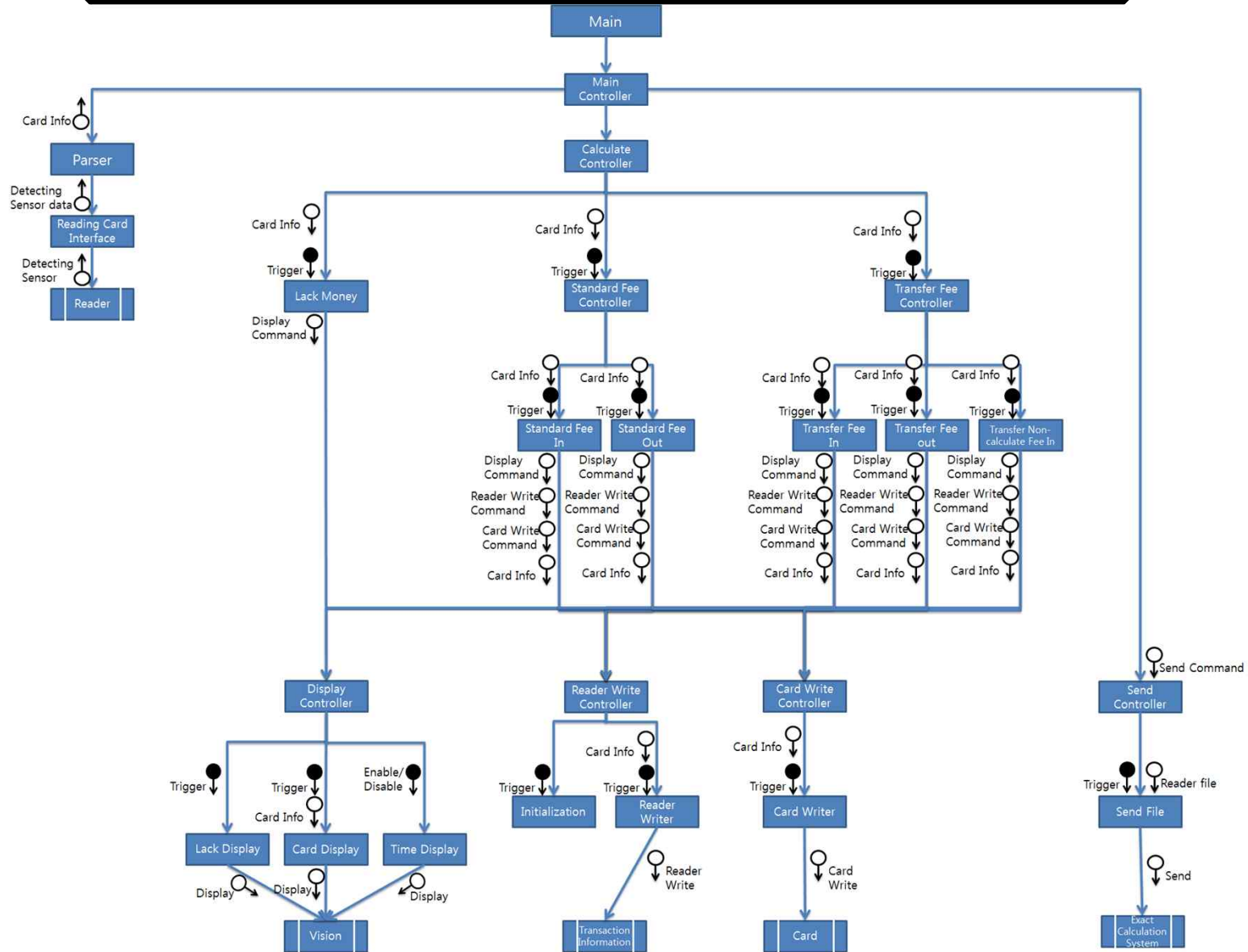


EXACT CALCULATION SYSTEM TRANSFORM ANALYSIS

**3**

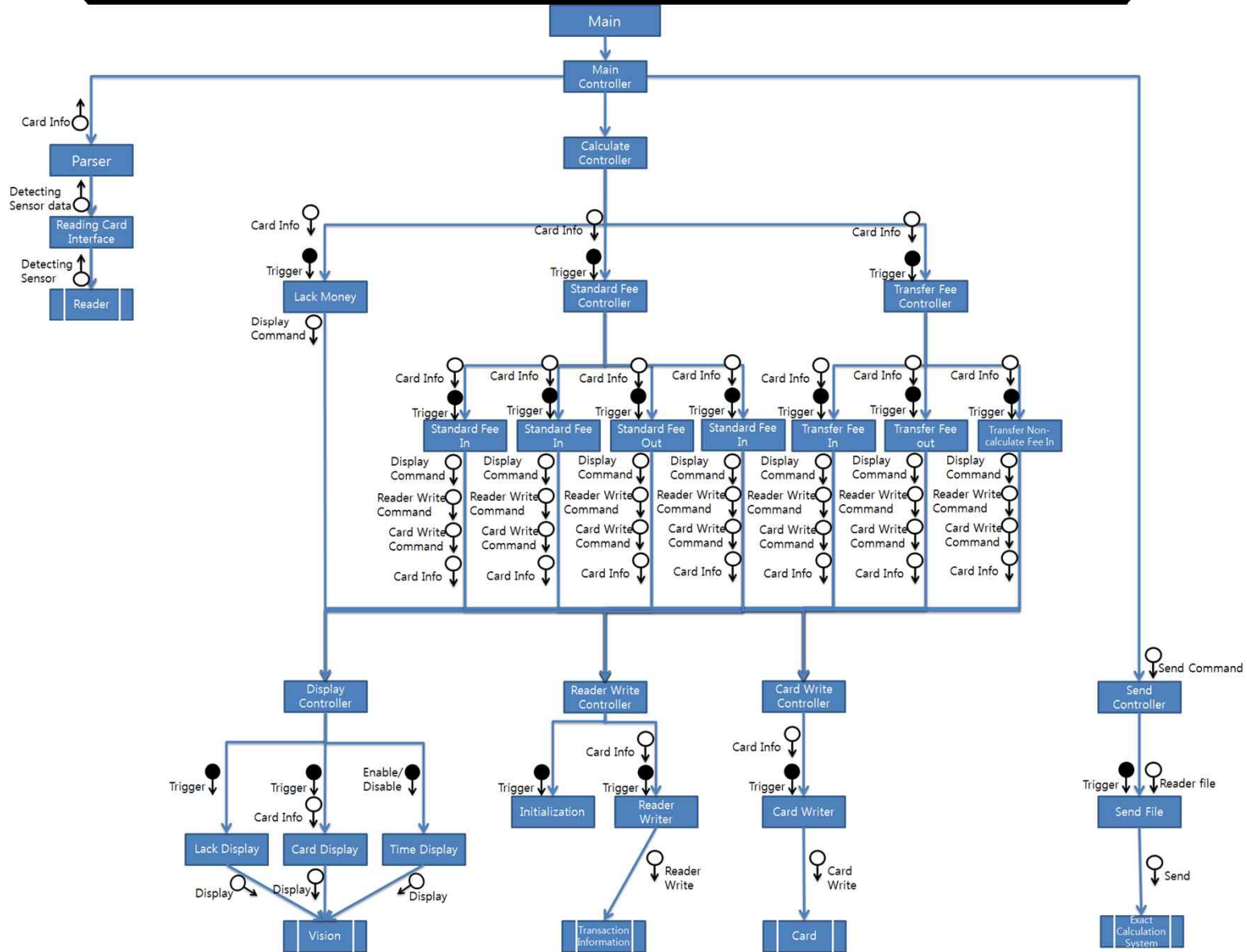
**Structured Design  
(BASIC)**

# STRUCTURED DESIGN(BASIC)



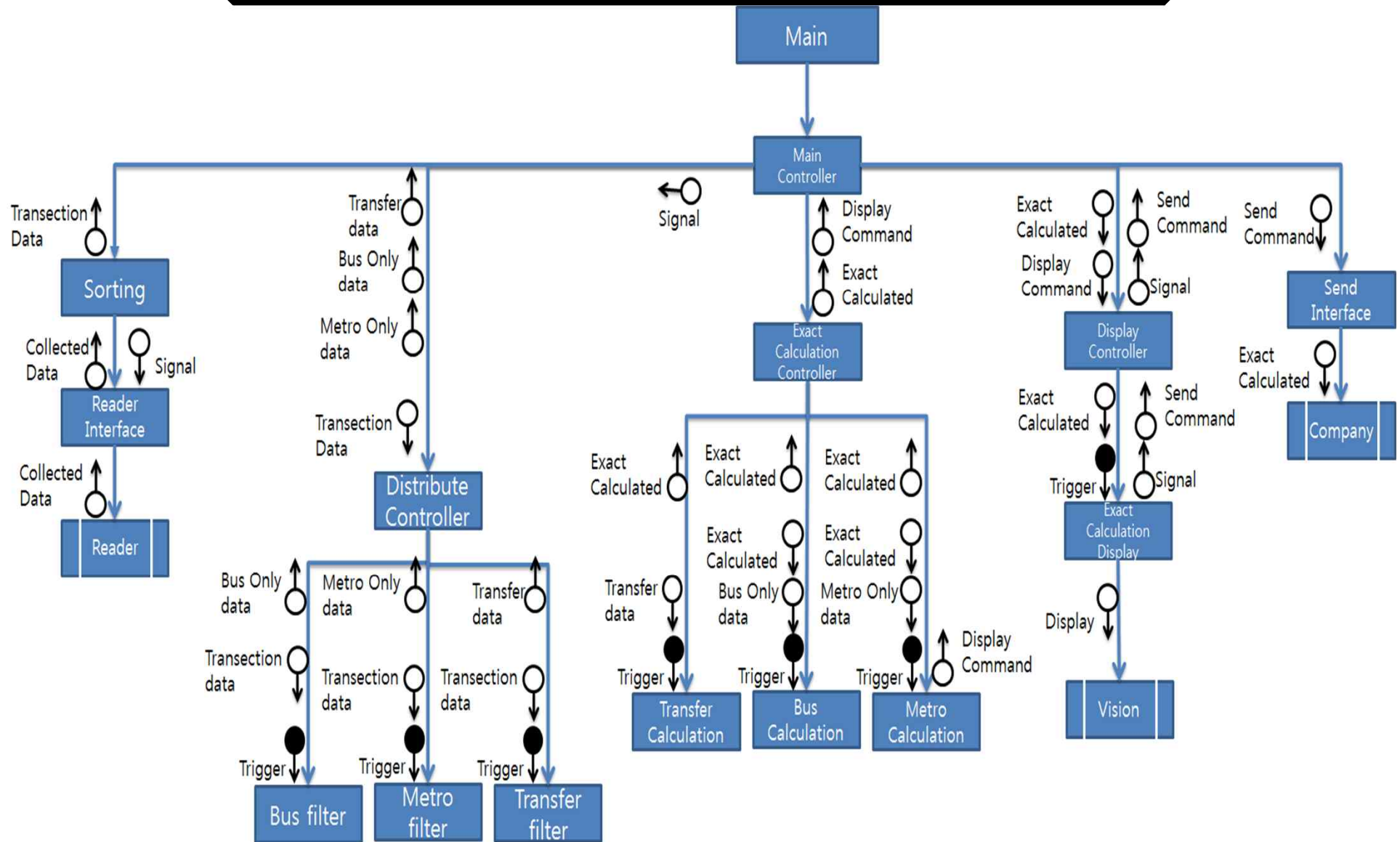
# BUS READER SYSTEM SD(BASIC)

# STRUCTURED DESIGN(BASIC)



# METRO READER SYSTEM SD(BASIC)

# STRUCTURED DESIGN(BASIC)

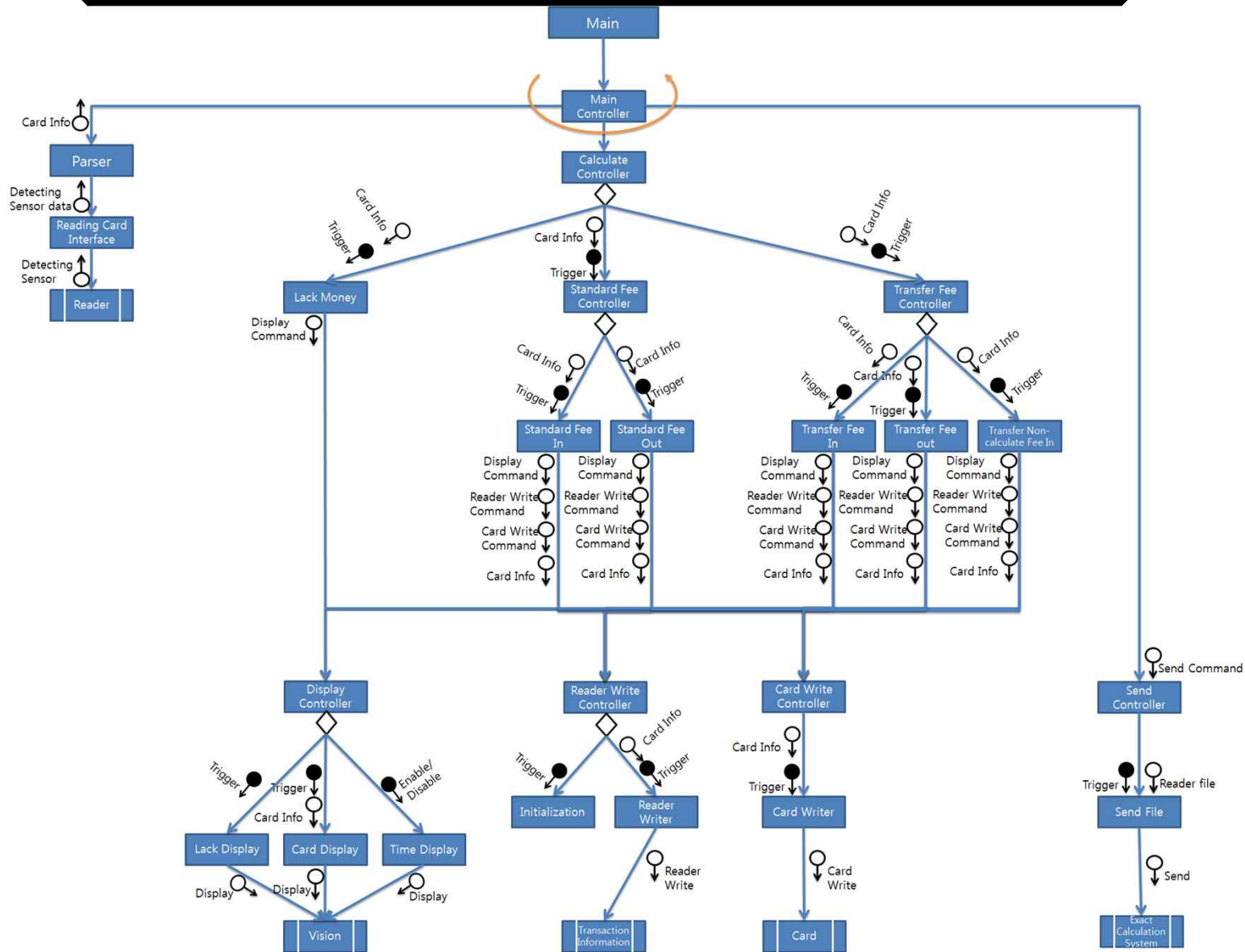


# EXACT CALCULATION SYSTEM SD(BASIC)

4

**Structured Design  
(ADVANCED)**

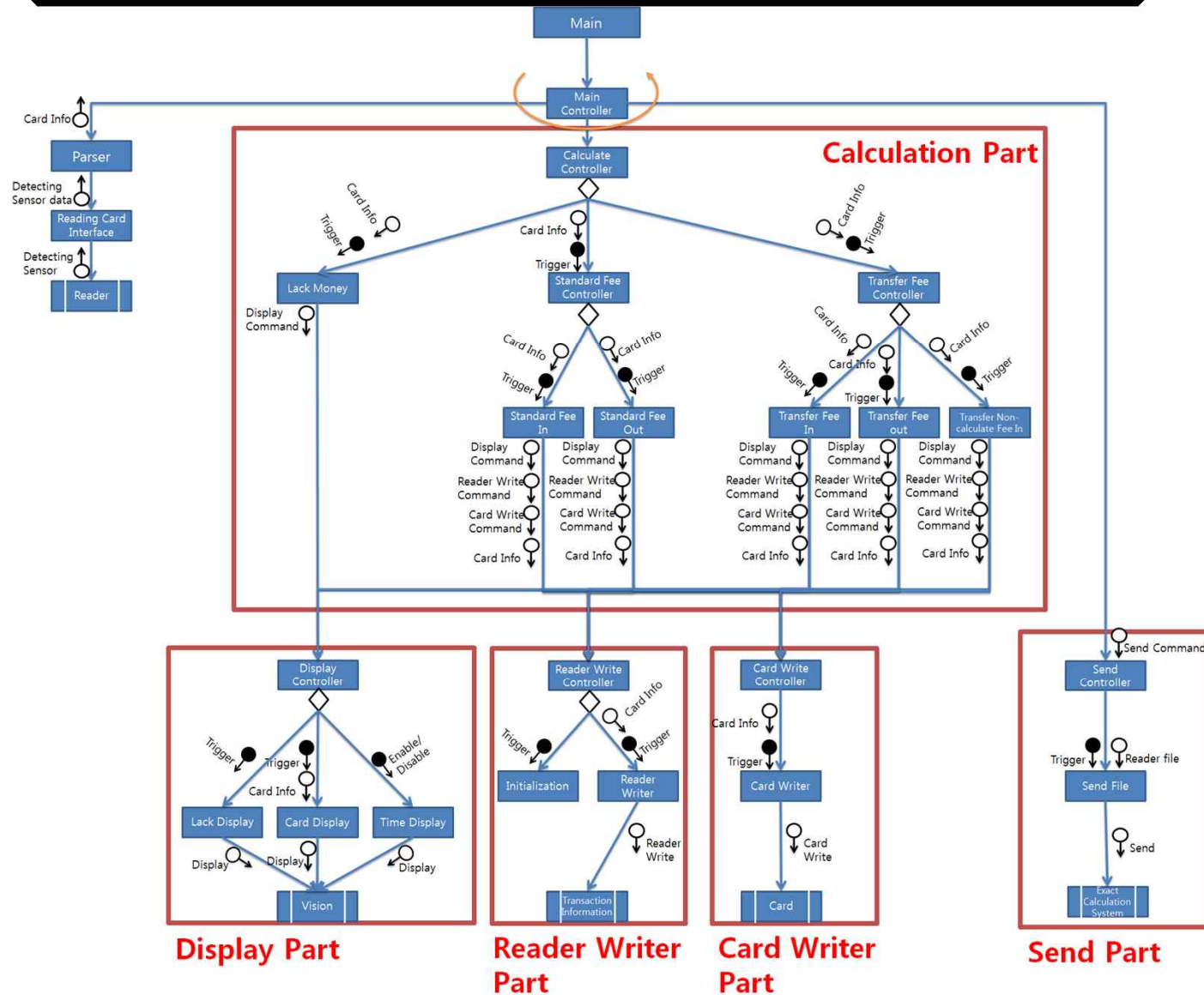
# STRUCTURED DESIGN(ADVANCED)



# BUS READER SYSTEM SD(ADVANCED)

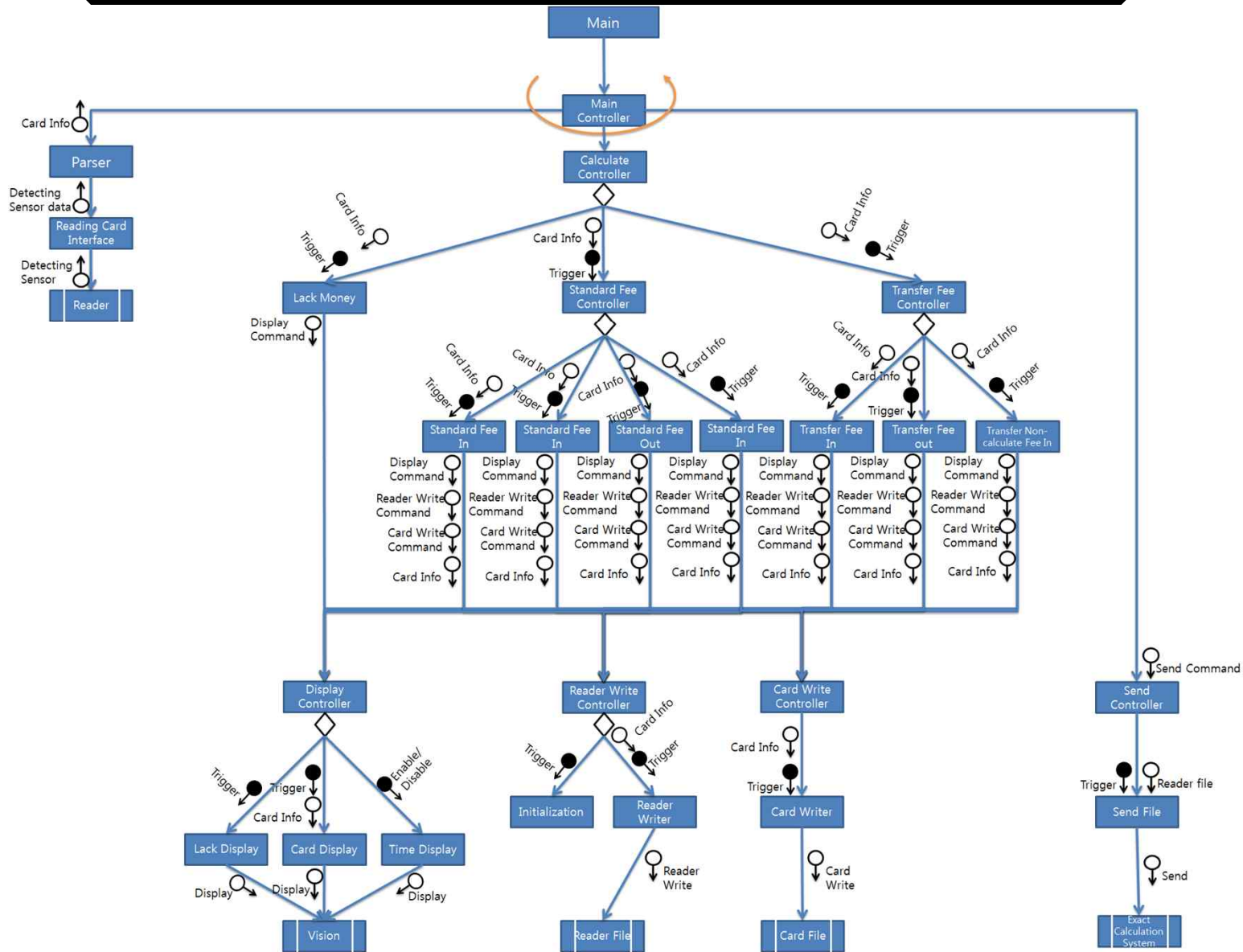


# STRUCTURED DESIGN(ADVANCED)



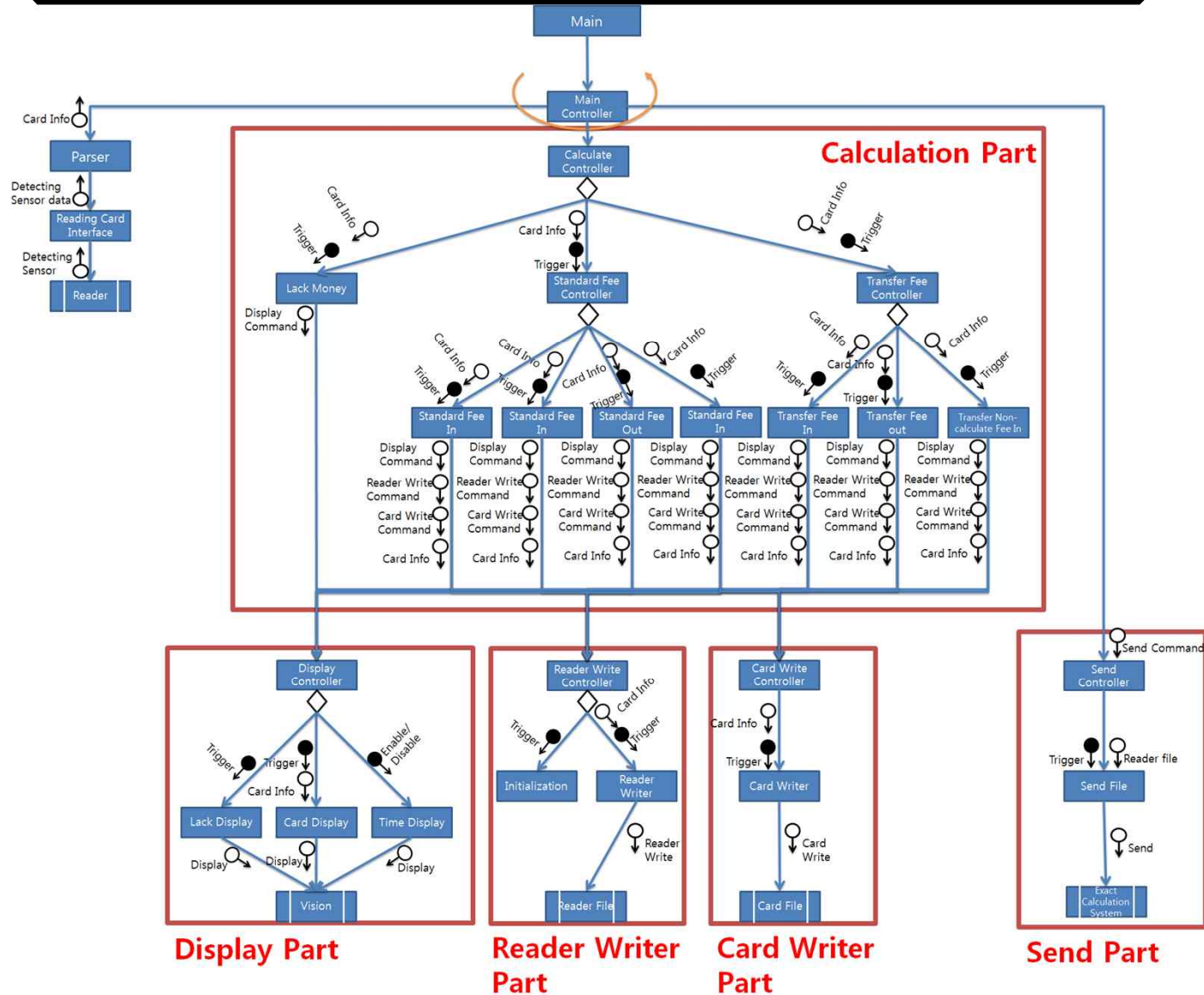
# BUS READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



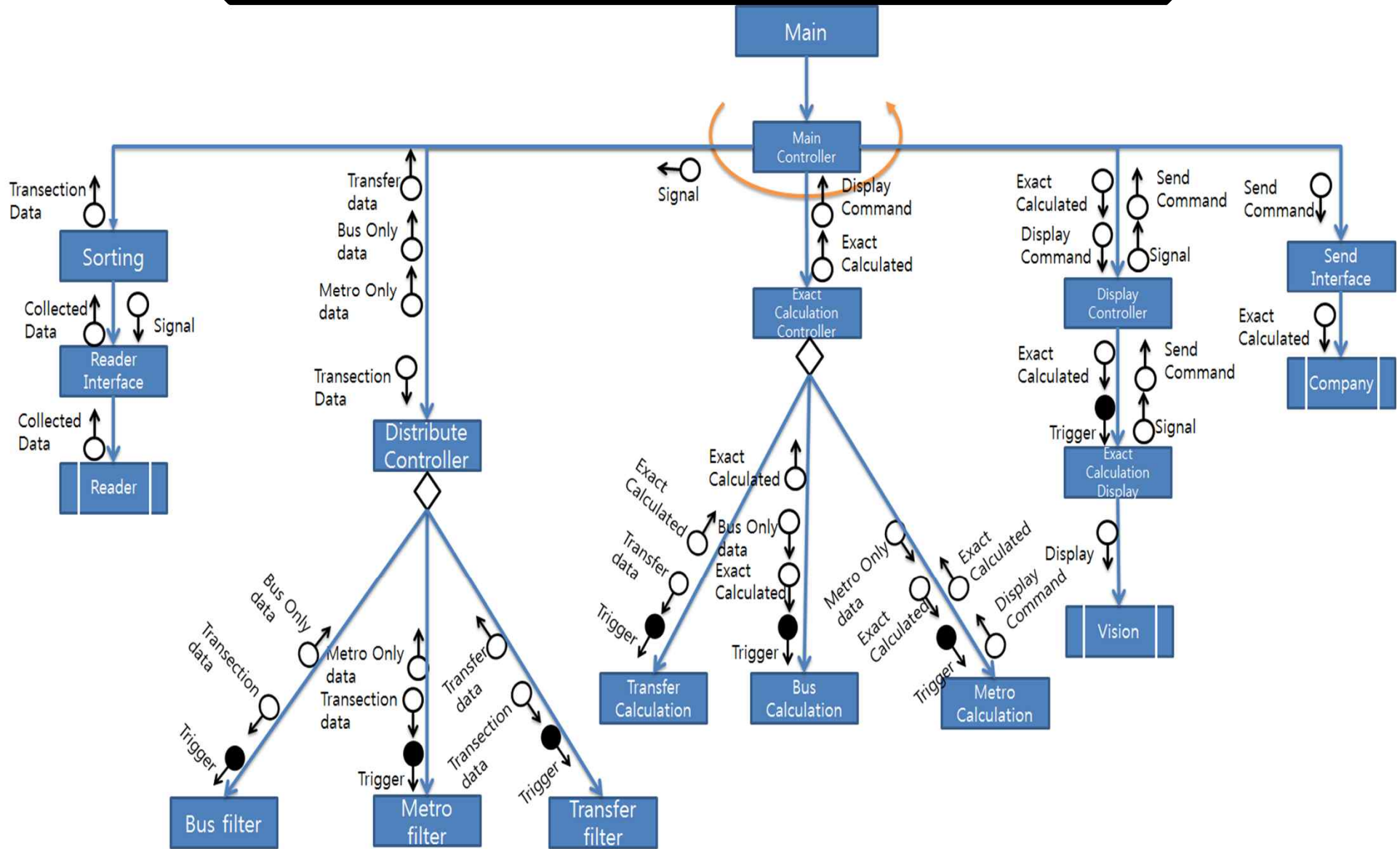
# METRO READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



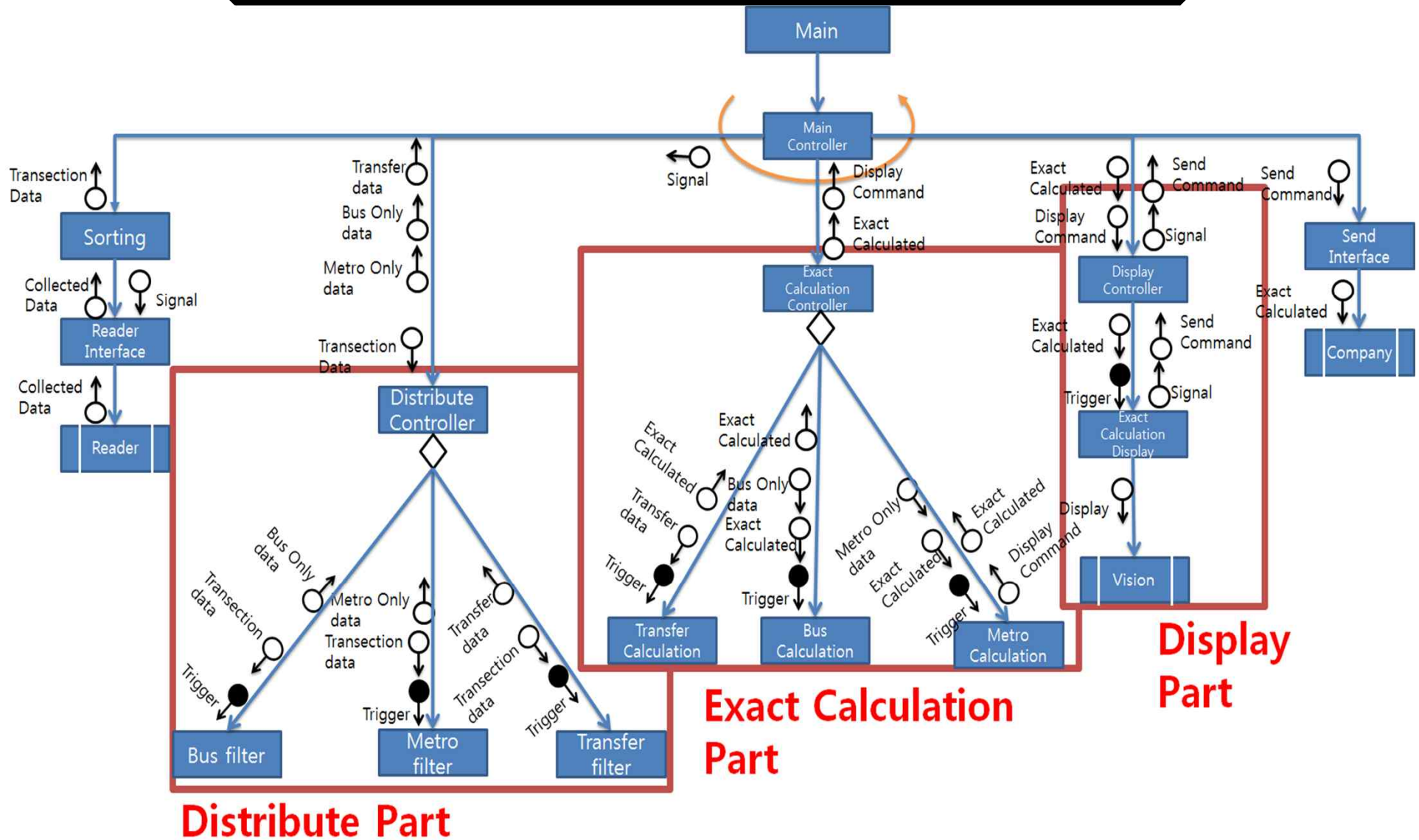
# METRO READER SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



# EXACT CALCULATION SYSTEM SD(ADVANCED)

# STRUCTURED DESIGN(ADVANCED)



# EXACT CALCULATION SYSTEM SD(ADVANCED)



**Q&A**





**THANK YOU**

