

## 1. Problem Statement

The new Payments Platform will address current potential operational issues, and aims to maximise system efficiency. The team will study the current process, and make solid recommendations to help ANZ reach its objectives.

## 2. Problem Definition

Important current issues include:

- Inefficient Processing
- Increased Defect Rates under certain conditions

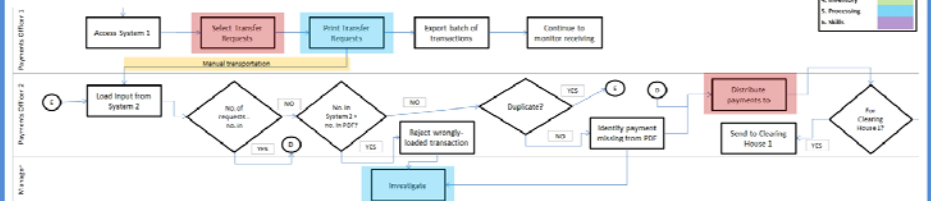
## 3. Project Objectives

Formulate a data analysis framework together with a simulation model to:

- Support ANZ team's recommendations
- Identify additional areas of improvement
- Suggest solutions to the identified areas
- Quantify benefits of recommendations

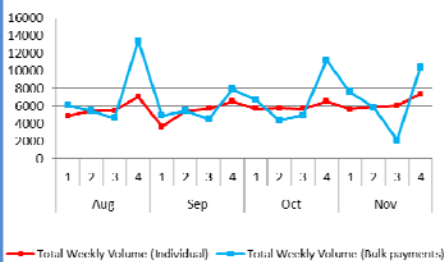
## 4. Process Mapping

The process flow is established and charted by combining work instructions and preliminary observational studies.

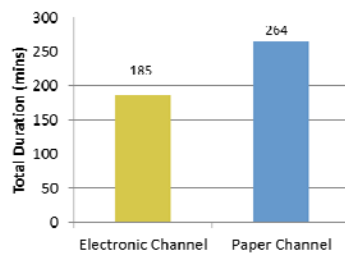


## 5. Process Analysis

### Volume Spikes due to Bulk Payments



### Electronic Channel is 30% faster

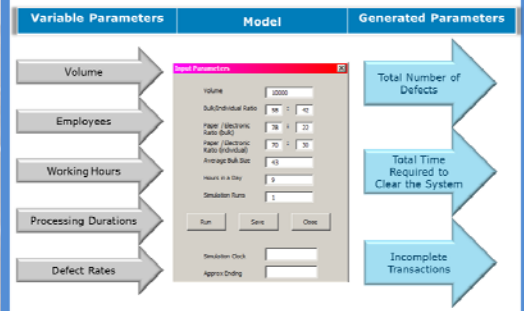


## 6. Simulation Model

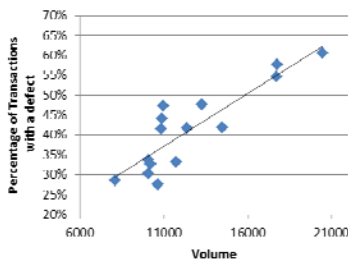
A simulation model was built to capture the process features and enumerate through selected possible system changes.

### Cases

1. Base case
2. Base case, peak
3. 10k → 11k volume
4. 10k → 12k volume
5. 33% transfer P → E
6. 66% transfer P → E
7. 100% transfer P → E
8. Automate Electronic step 2
9. Automate Electronic step 2, 33% transfer P → E
10. Automate Electronic step 2, 66% transfer P → E
11. Automate Electronic step 2, 100% transfer P → E
12. Half step 8 volume
13. Spread bulk payments



### Defect Rates Increase with Volume

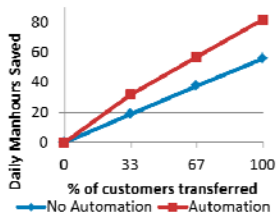


### Diversified Workforce

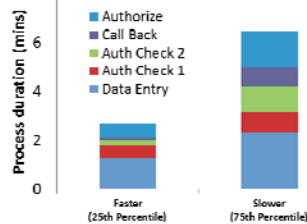
Employee Status	1	2	3	4	5
DATA ENTRY			✓	✓	✓
AUTH CHECK 1	✓	✓	✓	✓	✓
AUTH CHECK 2	✓	✓	✓	✓	✓
CALL BACK					✓
AUTHORIZE			✓	✓	✓
PENDING		✓	✓	✓	✓
MANUAL	✓	✓	✓	✓	✓
APPROVED		✓			

## 7. Results and Recommendations

### Paper → Electronic Channel



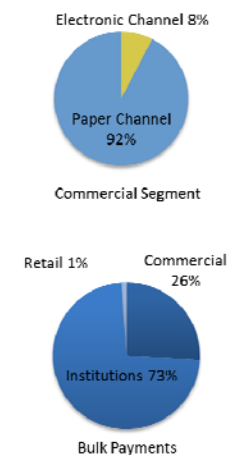
### Specialisation



### New Data Collection Plan



### Who do we Target?



### Spreading Volume Spikes

