

System Test Report for Public Transportation System

- Test Cases Specification
- Test Summary Report

Project Team

Team1

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Table of Contents

1	Introduction	3
1.1	Objectives	3
1.2	References	3
2	System test case specification	3
2.1	Test case specification identifier	3
2.2	Test items	3
2.3	Input specifications	3
2.4	Output specifications	3
3	Environmental needs	3
4	System test summary report	3
4.1	Test summary report identifier	3
4.2	Evaluation	3

1 Introduction

1.1 Objectives

본 문서는 2014년 2학기 건국대학교 Software Engineering (2014SE) 수업에서 T1이 개발한 Public Transportation System (PTS)의 System Testing Plan (STP)을 위한 문서이다.

1.2 References

2014-SE PTS SRS Ver 1.0

2014-SE PTS SRA Ver 3.0

2 System test case specification

<Table 1 Test Cases Identification & Test Result>참조

2.1 Test case specification identifier

2.2 Test items

2.3 Input specifications

2.4 Output specifications

3 Environmental needs

PTS를 실행하기 위한 PC - Cygwin 필요

4 System test summary report

4.1 Test summary report identifier

<Table 1 Test Cases Identification & Test Result>참조

4.2 Evaluation

Total test case : 113개

Passed : 110개

Failed : 3개

<Table 1 Test Cases Identification & Test Result>

Test case identifier	Input specification	Output specification	Result
T1.PTS.STC.000.000	(CardData) M,999050,1_3 (TerminalData) B,1,1050,0_3	(Terminal.txt) YYYYMMDDHHMM,B,1,988900,0_8 (Card.txt)YYYYMMDDHHMM,B,0,988900,0_9	Pass
T1.PTS.STC.000.001	(CardData)B,0,988900,0_9 (TerminalData) B,0,0,0_9	(Terminal.txt) YYYYMMDDHHMM,M,1,1050,1_7 (Card.txt) YYYYMMDDHHMM,M,1,987850,1_7	Pass
T1.PTS.STC.000.002	(CardData) 201503060008,M,1,736400,1_1 201503060016,M,0,736200,3_1 201503060032,B,1,736200,0_1 (TerminalData) 201503060008,M,1,1050,1_1 201503060016,M,0,200,3_1 201503060032,B,1,0,0_1	(Terminal) 현재요금 : 1050, 잔액 : 98950 (Terminal.txt) 201412010808,B,1,988900,0_8 (Card.txt)201412010808,B,0,988900,0_9	Pass
T1.PTS.STC.000.003	(CardData) 201503070056,M,1,733050,1_3 201503070104,M,0,733050,1_4 201503070120,B,1,733050,0_2 (TerminalData) 201503070056,M,1,1050,1_3	(Terminal.txt)201503070616,B,0,100,0_3 (Card.txt)201503070616,B,0,732950,0_3	Pass

	201503070104,M,0,0,1_4 201503070120,B,1,0,0_2		
T1.PTS.STC.000.004	(CardData) 201503071304,M,1,731900,1_5 201503071312,M,0,731900,1_6 201503071320,B,1,731900,0_4 (TerminalData) 201503071304,M,1,1050,1_5 201503071312,M,0,0,1_6 201503071320,B,1,0,0_4	(Terminal.txt)201503072248,B,0,200,0_5 (Card.txt)201503072248,B,0,731700,0_5	Pass
T1.PTS.STC.000.005	(CardData) 201503090952,M,1,729300,1_1 201503091008,M,0,729300,1_2 201503091008,B,1,729300,0_1 (TerminalData) 201503090952,M,1,1050,1_1 201503091008,M,0,0,1_2 201503091008,B,1,0,0_1	(Terminal.txt) 201503092024,B,0,200,0_2 (Card.txt) 201503092024,B,0,729100,0_2	Pass
T1.PTS.STC.000.006	(CardData) 201503081032,M,1,1050,1_1 201503081048,M,0,0,1_2 201503081056,B,1,0,0_1	(Terminal.txt)201503082320,B,0,300,0_2 (Card.txt)201503082320,B,0,730350,0_2	Pass

	(TerminalData) 201503081032,M,1,730650,1_1 201503081048,M,0,730650,1_2 201503081056,B,1,730650,0_1		
T1.PTS.STC.000.007	(CardData) 201504060004,M,1,550750,1_5 201504060004,M,0,550750,1_6 201504060008,B,1,550750,0_2 (TerminalData) 201504060004,M,1,1050,1_5 201504060004,M,0,0,1_6 201504060008,B,1,0,0_2	(Terminal.txt) 201504062344,B,0,500,0_3 (Card.txt) 201504062344,B,0,550250,0_3	Pass
T1.PTS.STC.000.008	(CardData) 201504170016,M,1,97200,1_3 201504170016,M,0,97200,1_4 201504170016,B,1,97200,0_1 (TerminalData) 201504170016,M,1,1050,1_3 201504170016,M,0,0,1_4 201504170016,B,1,0,0_1	(Termina.txtl) 201504180024,B,1,1750,0_1 (Card.txt) 201504180024,B,1,95450,0_1	Pass
T1.PTS.STC.000.009	(CardData)	(Terminal.txt)	Pass

	201504180032,M,0,95450,1_2 201504180032,M,1,94400,1_3 201504180032,M,0,94400,1_4 (TerminalData) 201504180032,M,1,1050,1_3 201504180032,M,0,0,1_4 201504180032,B,1,0,0_3	201504190456,B,1,1750,0_1 (Card.txt) 201504180032,B,1,94400,0_3	
T1.PTS.STC.000.010	(CardData) B,1,715050,0_5 B,0,715050,0_6 M,1,715050,5_1) (TerminalData) B,1,1050,0_5 B,0,0,0_6 M,1,0,5_1	(Card.txt) YYYYMMDDHHMM,M,0,715050,5_2 (Termianl.txt) YYYYMMDDHHMM,M,0,0,5_2	Pass
T1.PTS.STC.000.011	(CardData) B,1,712950,0_11 B,0,712950,0_12 M,1,712950,5_3 (TerminalData) B,1,1050,0_11	(Card.txt) YYYYMMDDHHMM,M,0,712650,4_1 (Termianl.txt) YYYYMMDDHHMM,M,0,300,4_1	Pass

	B,0,0,0_12 M,1,0,5_3		
T1.PTS.STC.000.012	(CardData) B,1,711600,0_1 B,0,711600,0_2 M,1,711600,5_1 (TerminalData) B,1,1050,0_1 B,0,0,0_2 M,1,0,5_1	(Card.txt) YYYYMMDDHHMM,M,0,711000,3_1 (Terminal.txt) YYYYMMDDHHMM,M,0,600,3_1	Pass
T1.PTS.STC.000.013	(CardData) B,1,709950,0_3 B,0,709950,0_4 M,1,709950,5_2 (TerminalData) B,1,1050,0_3 B,0,0,0_4 M,1,0,5_2	(Card.txt) YYYYMMDDHHMM,M,0,709350,2_1 (Terminal.txt) YYYYMMDDHHMM,M,0,600,2_1	Pass
T1.PTS.STC.000.014	(CardData) B,1,704550,0_13 B,0,704550,0_14	(Card.txt) YYYYMMDDHHMM,M,0,704250,1_1 (Terminal.txt)	Pass

	M,1,704550,5_4 (TerminalData) B,1,1050,0_13 B,0,0,0_14 M,1,0,5_4	YYYYMMDDHHMM,M,0,300,1_1	
T1.PTS.STC.000.015	(CardData) B,1,701850,0_5 B,0,701850,0_6 M,1,701850,4_1 (TerminalData) B,1,1050,0_5 B,0,0,0_6 M,1,0,4_1	(Card.txt) YYYYMMDDHHMM,M,0,701550,5_2 (Terminal.txt) YYYYMMDDHHMM,M,0,300,5_2	Pass
T1.PTS.STC.000.016	(CardData) B,1,700500,0_7 B,0,700500,0_8 M,1,700500,4_2 (TerminalData) B,1,1050,0_7 B,0,0,0_8 M,1,0,4_2	(Card.txt) YYYYMMDDHHMM,M,0,700500,4_3 (Terminal.txt) YYYYMMDDHHMM,M,0,0,4_3	Pass

<p>T1.PTS.STC.000.017</p>	<p>(CardData) B,1,699450,0_9 B,0,699450,0_10 M,1,699450,4_4 (TerminalData) B,1,1050,0_9 B,0,0,0_10 M,1,0,4_4</p>	<p>(Card.txt) YYYYMMDDHHMM,M,0,699150,3_1 (Terminal.txt) YYYYMMDDHHMM,M,0,300,3_1</p>	<p>Pass</p>
<p>T1.PTS.STC.000.018</p>	<p>(CardData) B,1,698100,0_11 B,0,698100,0_12 M,1,698100,4_5 (TerminalData) B,1,1050,0_11 B,0,0,0_12 M,1,0,4_5</p>	<p>(Card.txt) YYYYMMDDHHMM,M,0,697500,2_1 (Termianl.txt) YYYYMMDDHHMM,M,0,600,2_1</p>	<p>Pass</p>
<p>T1.PTS.STC.000.019</p>	<p>(CardData) B,1,696450,0_1 B,0,696450,0_2 M,1,696450,4_1 (TerminalData)</p>	<p>(Card) YYYYMMDDHHMM,M,0,695850,1_1 (Terminal) YYYYMMDDHHMM,M,0,600,1_1</p>	<p>Pass</p>

	B,1,1050,0_1 B,0,0,0_2 M,1,0,4_1		
T1.PTS.STC.000.020	(CardData) B,1,694800,0_3 B,0,694800,0_4 M,1,694800,3_1 (TerminalData) B,1,1050,0_3 B,0,0,0_4 M,1,0,3_1	(Card) YYYYMMDDHHMM,M,0,694200,5_1 (Terminal) YYYYMMDDHHMM,M,0,600,5_1	Pass
T1.PTS.STC.000.021	(CardData) B,1,691800,0_5 B,0,691800,0_6 M,1,691800,3_2 (TerminalData) B,1,1050,0_5 B,0,0,0_6 M,1,0,3_2	(Card) YYYYMMDDHHMM,M,0,691500,4_1 (Terminal) YYYYMMDDHHMM,M,0,300,4_1	Pass
T1.PTS.STC.000.022	(CardData) B,1,690450,0_7	(Card) YYYYMMDDHHMM,M,0,690450,3_4	Pass

	<p>B,0,690450,0_8 M,1,690450,3_3 (TerminalData) B,1,1050,0_7 B,0,0,0_8 M,1,0,3_3</p>	<p>(Terminal) YYYYMMDDHHMM,M,0,0,3_4</p>	
<p>T1.PTS.STC.000.023</p>	<p>(CardData) B,1,689400,0_9 B,0,689400,0_10 M,1,689400,3_5 (TerminalData) B,1,1050,0_9 B,0,0,0_10 M,1,0,3_5</p>	<p>(Card) YYYYMMDDHHMM,M,0,689100,2_2 (Terminal) YYYYMMDDHHMM,M,0,300,2_2</p>	<p>Pass</p>
<p>T1.PTS.STC.000.024</p>	<p>(CardData) B,1,688050,0_11 B,0,688050,0_12 M,1,688050,3_6 (TerminalData) B,1,1050,0_11 B,0,0,0_12 M,1,0,3_6</p>	<p>(Card) YYYYMMDDHHMM,M,0,687450,1_1 (Terminal) YYYYMMDDHHMM,M,0,600,1_1</p>	<p>Pass</p>

<p>T1.PTS.STC.000.025</p>	<p>(CardData) B,1,684300,0_3 B,0,684300,0_4 M,1,684300,2_2 (TerminalData) B,1,1050,0_3 B,0,0,0_4 M,1,0,2_2</p>	<p>(Card) YYYYMMDDHHMM,M,0,683700,5_1 (Terminal) YYYYMMDDHHMM,M,0,600,5_1</p>	<p>Pass</p>
<p>T1.PTS.STC.000.026</p>	<p>(CardData) B,1,682650,0_5 B,0,682650,0_6 M,1,682650,2_3 (TerminalData) B,1,1050,0_5 B,0,0,0_6 M,1,0,2_3</p>	<p>(Card) YYYYMMDDHHMM,M,0,682050,4_1 (Terminal) YYYYMMDDHHMM,M,0,600,4_1</p>	<p>Pass</p>
<p>T1.PTS.STC.000.027</p>	<p>(CardData) B,1,681000,0_7 B,0,681000,0_8 M,1,681000,2_4 (TerminalData)</p>	<p>(Card) YYYYMMDDHHMM,M,0,680700,3_1 (Terminal) YYYYMMDDHHMM,M,0,300,3_1</p>	<p>Pass</p>

	B,1,1050,0_7 B,0,0,0_8 M,1,0,2_4		
T1.PTS.STC.000.028	(CardData) B,1,677350,0_3 B,0,677350,0_4 M,1,677350,2_1 (TermianIData) B,1,1050,0_3 B,0,0,0_4 M,1,0,2_1	(Card) YYYYMMDDHHMM,M,0,677350,2_2 (Terminal) YYYYMMDDHHMM,M,0,0,2_2	Pass
T1.PTS.STC.000.029	(CardData) B,1,676300,0_5 B,0,676300,0_6 M,1,676300,2_3 (TermianIData) B,1,1050,0_5 B,0,0,0_6 M,1,0,2_3	(Card) YYYYMMDDHHMM,M,0,676000,1_2 (Terminal) YYYYMMDDHHMM,M,0,300,1_2	Pass
T1.PTS.STC.000.030	(CardData) B,1,674950,0_7	(Card) YYYYMMDDHHMM,M,0,674650,5_1	Pass

	B,0,674950,0_8 M,1,674950,1_3 (TermianIData) B,1,1050,0_7 B,0,0,0_8 M,1,0,1_3	(Terminal) YYYYMMDDHHMM,M,0,300,5_1	
T1.PTS.STC.000.031	(CardData) B,1,673600,0_1 B,0,673600,0_2 M,1,673600,1_1 (TermianIData) B,1,1050,0_1 B,0,0,0_2 M,1,0,1_1	(Card) YYYYMMDDHHMM,M,0,673000,4_1 (Terminal) YYYYMMDDHHMM,M,0,600,4_1	Pass
T1.PTS.STC.000.032	(CardData) B,1,671950,0_3 B,0,671950,0_4 M,1,671950,1_2 (TermianIData) B,1,1050,0_3 B,0,0,0_4	(Card) YYYYMMDDHHMM,M,0,671350,3_1 (Terminal) YYYYMMDDHHMM,M,0,600,3_1	Pass

	M,1,0,1_2		
T1.PTS.STC.000.033	(CardData) B,1,670300,0_5 B,0,670300,0_6 M,1,670300,1_3 (TermianIData) B,1,1050,0_5 B,0,0,0_6 M,1,0,1_3	(Card) YYYYMMDDHHMM,M,0,669700,3_2 (Terminal) YYYYMMDDHHMM,M,0,600,3_2	Pass
T1.PTS.STC.000.034	(CardData) B,1,664100,0_9 B,0,664100,0_10 M,1,664100,1_6 (TermianIData) B,1,1050,0_9 B,0,0,0_10 M,1,0,1_6	(Card) YYYYMMDDHHMM,M,0,664100,1_7 (Terminal) YYYYMMDDHHMM,M,0,0,1_7	Pass
T1.PTS.STC.000.035	(CardData) M,1,657950,1_15 M,0,657950,1_16 B,1,657950,0_14	(Card) YYYYMMDDHHMM,M,1,656200,1_17 (Terminal) YYYYMMDDHHMM,M,1,1750,1_17	Pass

	(TermianIData) M,1,1050,1_15 M,0,0,1_16 B,1,0,0_14		
T1.PTS.STC.000.036	(CardData) B,1,653900,0_17 B,0,653900,0_18 M,1,653900,1_18 (TermianIData) B,1,1050,0_17 B,0,0,0_18 M,1,0,1_18	(Card) YYYYMMDDHHMM,B,1,652250,0_19 (Terminal) YYYYMMDDHHMM,B,1,1650,0_19	Pass
T1.PTS.STC.000.037	(CardData) M,1,650150,1_21 (TermianIData) M,1,1050,1_21	(Card) YYYYMMDDHHMM,B,1,648900,0_20 (Terminal) YYYYMMDDHHMM,B,1,1250,0_20	Pass
T1.PTS.STC.000.038	(CardData) M,1,637050,1_3 M,0,637050,1_4 M,1,636000,1_5 (TermianIData)	(Card) YYYYMMDDHHMM,M,0,637050,1_4 (Terminal) YYYYMMDDHHMM,B,1,1250,0_1	Pass

	M,1,1050,1_3 M,0,0,1_4 M,1,1050,1_5		
T1.PTS.STC.000.039	(CardData) B,1,625600,0_3 (TermianlData) B,1,1050,0_3	(Card) YYYYMMDDHHMM,M,1,624550,1_1 (Terminal) YYYYMMDDHHMM,M,1,1050,1_1	Pass
T1.PTS.STC.000.040	(CardData) B,1,621850,0_6 B,0,621850,0_7 B,1,620800,0_8 (TermianlData) B,1,1050,0_6 B,0,0,0_7 B,1,1050,0_8	(Card) YYYYMMDDHHMM,M,1,619750,1_2 (Terminal) YYYYMMDDHHMM,M,1,1050,1_2	Pass
T1.PTS.STC.000.041	(CardData) M,1,618700,1_4 (TermianlData) M,1,1050,1_4	(Card) YYYYMMDDHHMM,M,1,617050,1_1 (Terminal) YYYYMMDDHHMM,M,1,1650,1_1	Pass
T1.PTS.STC.000.042	(CardData)	(Card)	Pass

	M,1,616000,1_3 (TermianIData) M,1,1050,1_3	YYYYMMDDHHMM,B,1,614350,0_1 (Terminal) YYYYMMDDHHMM,B,1,1650,0_1	
T1.PTS.STC.000.043	(CardData) B,1,613300,0_3 (TermianIData) B,1,1050,0_3	(Card) YYYYMMDDHHMM,M,1,611550,1_1 (Terminal) YYYYMMDDHHMM,M,1,1750,1_1	Pass
T1.PTS.STC.000.044	(CardData) B,1,608850,0_3 (TermianIData) B,1,1050,0_3	(Card) YYYYMMDDHHMM,B,1,607100,0_1 (Terminal) YYYYMMDDHHMM,B,1,1750,0_1	Pass
T1.PTS.STC.001.001	(CardData) 201503271656,B,1,603350,0_7 201503271712,B,0,603350,0_8 (TermianIData) 201503271656,B,1,1050,0_7 201503271712,B,0,0,0_8	(Card) 201503271720,M,1,603350,1_2 (Terminal) 201503271720,M,1,0,1_2	Pass
T1.PTS.STC.001.002	(CardData) 201503280032,B,1,600650,0_1 201503280032,B,0,600650,0_2	(Card) 201503280136,M,1,600650,1_1 (Terminal)	Pass

	(TermianIData) 201503280032,B,1,1050,0_1 201503280032,B,0,0,0_2	201503280136,M,1,0,1_1	
T1.PTS.STC.001.003	(CardData) 201503281056,B,1,593550,0_11 201503281120,B,0,593550,0_12 (TermianIData) 201503281056,B,1,1050,0_11 201503281120,B,0,0,0_12	(Card) 201503281320,M,1,593550,1_3 (Terminal) 201503281320,M,1,0,1_3	Pass
T1.PTS.STC.001.004	(CardData) 201503281920,B,1,588150,0_19 201503281920,B,0,588150,0_20 (TermianIData) 201503281920,B,1,1050,0_19 201503281920,B,0,0,0_20	(Card) 201503282128,M,1,587100,1_5 (Terminal) 201503282128,M,1,1050,1_5	Pass
T1.PTS.STC.001.005	(CardData) 201503290336,M,0,581600,1_8 201503290336,M,1,580550,1_9 201503290344,B,1,579300,0_2 201503290352,B,0,579300,0_3 (TermianIData)	(Card) 201503290408,M,1,579300,1_10 (Terminal) 201503290408,M,1,0,1_10	Pass

	201503290336,M,0,0,1_8 201503290336,M,1,1050,1_9 201503290344,B,1,1250,0_2 201503290352,B,0,0,0_3		
T1.PTS.STC.001.006	(CardData) 201503291032,M,1,575100,1_16 201503291032,M,0,575100,1_17 201503291040,B,1,575100,0_7 201503291040,B,0,575100,0_8 (TerminalData) 201503291032,M,1,1050,1_16 201503291032,M,0,0,1_17 201503291040,B,1,0,0_7 201503291040,B,0,0,0_8	(Card) 201503291152,M,1,575100,1_18 (Terminal) 201503291152,M,1,0,1_18	Pass
T1.PTS.STC.001.007	(CardData) 201503291632,M,1,574050,1_20 201503291632,M,0,574050,1_21 201503291640,B,1,574050,0_9 201503291648,B,0,574050,0_10 (TerminalData) 201503291632,M,1,1050,1_20	(Card) 201503291848,M,1,574050,1_22 (Terminal) 201503291848,M,1,0,1_22	Pass

	201503291632,M,0,0,1_21 201503291640,B,1,0,0_9 201503291648,B,0,0,0_10		
T1.PTS.STC.001.008	(CardData) 201503300008,M,1,571950,1_1 201503300024,M,0,571950,1_2 201503300024,B,1,571950,0_1 201503300032,B,0,571950,0_2 (TermianlData) 201503300008,M,1,1050,1_1 201503300024,M,0,0,1_2 201503300024,B,1,0,0_1 201503300032,B,0,0,0_2	(Card) 201503300240,M,1,570900,1_3 (Terminal) 201503300240,M,1,1050,1_3	Pass
T1.PTS.STC.001.009	(CardData) 201503300616,M,1,569850,1_5 201503300632,M,0,569850,1_6 (TermianlData) 201503300616,M,1,1050,1_5 201503300632,M,0,0,1_6	(Card) 201503300640,B,1,569850,0_3 (Terminal) 201503300640,B,1,0,0_3	Pass
T1.PTS.STC.001.010	(CardData) 201503301544,M,1,567050,1_9	(Card) 201503301704,B,1,567050,0_4	Pass

	201503301552,M,0,567050,1_10 (TermianlData) 201503301544,M,1,1050,1_9 201503301552,M,0,0,1_10	(Terminal) 201503301704,B,1,0,0_4	
T1.PTS.STC.001.011	(CardData) 201503302136,M,1,564250,1_13 201503302152,M,0,564250,1_14 (TermianlData) 201503302136,M,1,1050,1_13 201503302152,M,0,0,1_14	(Card) 201503302352,B,1,564250,0_5 (Terminal) 201503302352,B,0,0,0_6	Pass
T1.PTS.STC.001.012	(CardData) 201504010400,B,1,563200,0_1 201504010408,B,0,563200,0_2 201504010416,M,1,563200,1_1 201504010432,M,0,563200,1_2 (TermianlData) 201504010400,B,1,1050,0_1 201504010408,B,0,0,0_2 201504010416,M,1,0,1_1 201504010432,M,0,0,1_2	(Card) 201504010440,B,1,563200,0_3 (Terminal) 201504010440,B,1,0,0_3	Pass
T1.PTS.STC.001.013	(CardData)	(Card)	Pass

	201504071344,M,1,546900,1_6 201504071408,M,0,546900,1_7 (TermianlData) 201504071344,M,1,0,1_6 201504071408,M,0,0,1_7	201504071608,B,1,546900,0_5 (Terminal) 201504071608,B,1,0,0_5	
T1.PTS.STC.001.014	(CardData) 201504080608,M,1,544100,1_3 201504080616,M,0,544100,1_4 (TermianlData) 201504080608,M,1,1050,1_3 201504080616,M,0,0,1_4	(Card) 201504080824,B,1,543050,0_1 (Terminal) 201504080824,B,1,1050,0_1	Pass
T1.PTS.STC.001.015	(CardData) 201504080824,B,1,543050,0_1 201504081224,B,0,543050,0_2 201504081232,M,1,543050,1_5 201504081400,M,0,543050,1_6 (TermianlData) 201504080824,B,1,1050,0_1 201504081224,B,0,0,0_2 201504081232,M,1,0,1_5 201504081400,M,0,0,1_6	(Card) 201504081400,B,1,543050,0_3 (Terminal) 201504081400,B,1,0,0_3	Pass

<p>T1.PTS.STC.001.016</p>	<p>(CardData) 201504081744,B,1,542000,0_5 201504081752,B,0,542000,0_6 201504081800,M,1,542000,1_7 201504081808,M,0,542000,1_8 (TermianlData) 201504081224,B,0,0,0_2 201504081232,M,1,0,1_5 201504081400,M,0,0,1_6 201504081400,B,1,0,0_3</p>	<p>(Card) 201504082008,B,1,542000,0_7 (Terminal) 201504081736,B,0,0,0_4</p>	<p>Pass</p>
<p>T1.PTS.STC.001.017</p>	<p>(CardData) 201504090024,B,1,539200,0_3 201504090032,B,0,539200,0_4 201504090040,M,1,539200,1_1 201504090048,M,0,539200,1_2 (TermianlData) 201504090024,B,1,1050,0_3 201504090032,B,0,0,0_4 201504090040,M,1,0,1_1 201504090048,M,0,0,1_2</p>	<p>(Card) 201504090408,B,1,538150,0_5 (Terminal) 201504090408,B,1,1050,0_5</p>	<p>Pass</p>
<p>T1.PTS.STC.002.001</p>	<p>(CardData)</p>	<p>(Card)</p>	<p>Pass</p>

	201504092056,B,0,500,0_6 (TermianIData) 201504092056,B,0,0,0_6	201504092056,B,0,500,0_6 (Terminal) 201504092056,B,0,0,0_6	
T1.PTS.STC.002.002	(CardData) 201504110104,B,1,1450,0_1 201504110120,B,0,1450,0_2 201504110136,M,1,1450,1_1 (TermianIData) 201504110104,B,1,1050,0_1 201504110120,B,0,0,0_2 201504110136,M,1,0,1_1	(Card) 201504110136,M,1,1450,1_1 (Terminal) 201504110136,M,1,0,1_1	Pass
T1.PTS.STC.002.003	(CardData) 201504111656,M,0,1500,1_2 201504111856,M,1,450,1_3 201504111912,M,0,450,1_4 (TermianIData) 201504111656,M,0,0,1_2 201504111856,M,1,1050,1_3 201504111912,M,0,0,1_4	(Card) 201504111920,B,1,450,0_3 (Terminal) 201504111920,B,1,0,0_3	Fail
T1.PTS.STC.002.004	(CardData) 201504120216,B,1,2450,0_1	(Card) 201504120240,B,1,800,0_3	Pass

	201504120216,B,0,2450,0_2 201504120232,M,1,2450,1_1 (TermianIData) 201504120216,B,1,1050,0_1 201504120216,B,0,0,0_2 201504120232,M,1,0,1_1	(Terminal) 201504120240,B,1,1650,0_3	
T1.PTS.STC.002.005	(CardData) 201504121224,B,0,500,0_4 (TermianIData) 201504121224,B,0,0,0_4	(Card) 201504121224,B,0,500,0_4 (Terminal) 201504121224,B,0,0,0_4	Pass
T1.PTS.STC.002.006	(CardData) 201504130256,B,1,450,0_1 201504130320,B,0,450,0_2 (TermianIData) 201504130256,B,1,1050,0_1 201504130320,B,0,0,0_2	(Card) 201504130408,M,1,450,1_1 (Terminal) 201504130408,M,1,0,1_1	Fail
T1.PTS.STC.002.007	(CardData) 201504131944,M,1,1450,1_3 201504131952,M,0,1450,1_4 201504132000,B,1,1450,0_3 (TermianIData)	(Card) 201504132000,B,1,1450,0_3 (Terminal) 201504132000,B,1,0,0_3	Pass

	201504131944,M,1,1050,1_3 201504131952,M,0,0,1_4 201504132000,B,1,0,0_3		
T1.PTS.STC.002.008	(CardData) 201504140944,M,0,3500,1_2 201504141048,M,1,2450,1_3 201504141104,M,0,2450,1_4 201504141104,B,1,2450,0_1 (TerminalData) 201504140944,M,0,0,1_2 201504141048,M,1,1050,1_3 201504141104,M,0,0,1_4 201504141104,B,1,0,0_1	(Card) 201504141112,M,1,700,1_5 (Terminal) 201504141112,M,1,1750,1_5	Pass
T1.PTS.STC.003.000	Input=Terminal_Data{ M,1,1050 M,0,0 M,1,1050 M,0,200 M,1,1050 M,0,0 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{0, ,B} Settled_Metro_Fee.txt{5650,201412191144,M}	Pass
T1.PTS.STC.003.001	Input= Terminal_Data{ M,1,1050 M,0,0	Output=Settled_Bus_Fee.txt{3150,201412212032,B} Settled_Metro_Fee.txt{3350,201412211024,M}	Pass

	M,1,1050 M,0,0 M,1,1050 M,0,200 B,1,1050 B,0,0 B,1,1050 B,0,0 B,1,1050 B,0,0}		
T1.PTS.STC.003.002	Input=Terminal_Data{ B,1,1050 B,0,0 B,1,1050 B,0,0 B,1,1050 B,0,0 M,1,1050 M,0,200 M,1,1050 M,0,0 M,1,1050 M,0,200}	Output=Settled_Bus_Fee.txt{3150,201412230304,B} Settled_Metro_Fee.txt{3550,201412230904,M}	Pass
T1.PTS.STC.003.003	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,1050 M,0,0 B,1,1050 B,0,0 M,1,1050 M,0,200 B,1,1050 B,0,0 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{3150,201412251408,B} Settled_Metro_Fee.txt{3550,201412251736,M}	Pass
T1.PTS.STC.003.004	Input=Terminal_Data{	Output=Settled_Bus_Fee.txt{1575,201412270712,B}	Pass

	B,1,1050 B,0,0 M,1,0 M,0,0 B,1,1050 B,0,0}	Settled_Metro_Fee.txt{525,201412270312,M}	
T1.PTS.STC.003.005	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,0 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1575,201412281448,B} Settled_Metro_Fee.txt{525,201412281144,M}	Pass
T1.PTS.STC.003.006	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{590,201501020136,B} Settled_Metro_Fee.txt{1809,201501020600,M}	Pass
T1.PTS.STC.003.007	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1640,201501031936,B} Settled_Metro_Fee.txt{759,201501031448,M}	Pass
T1.PTS.STC.003.008	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,0 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1575,201501041432,B} Settled_Metro_Fee.txt{525,201501040952,M}	Pass
T1.PTS.STC.003.009	Input=Terminal_Data{	Output=Settled_Bus_Fee.txt{525,201501060240,B}	Pass

	M,1,1050 M,0,0 B,1,0 B,0,0 M,1,1050 M,0,0}	Settled_Metro_Fee.txt{1575,201501060712,M}	
T1.PTS.STC.003.010	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,300 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1809,201501091512,B} Settled_Metro_Fee.txt{590,201501090144,M}	Pass
T1.PTS.STC.003.011	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{759,201501111408,B} Settled_Metro_Fee.txt{1640,201501111808,M}	Pass
T1.PTS.STC.003.012	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,0 B,0,0 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{820,201501140224,B} Settled_Metro_Fee.txt{1578,201501140608,M}	Pass
T1.PTS.STC.003.013	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,0 B,0,0	Output=Settled_Bus_Fee.txt{1870,201501121456,B} Settled_Metro_Fee.txt{528,201501121032,M}	Pass

	B,1,1050 B,0,0}		
T1.PTS.STC.003.014	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,0 B,0,200 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{975,201501171456,B} Settled_Metro_Fee.txt{1623,201501171808,M}	Pass
T1.PTS.STC.003.015	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,0 B,0,200 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{2025,201501201304,B} Settled_Metro_Fee.txt{573,201501200304,M}	Pass
T1.PTS.STC.003.016	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,0 M,1,0 M,0,0 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{350,201501211704,B} Settled_Metro_Fee.txt{1750,201501212144,M}	Pass
T1.PTS.STC.003.017	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,0 M,1,0 M,0,0	Output=Settled_Bus_Fee.txt{1400,201501221200,B} Settled_Metro_Fee.txt{700,201501220936,M}	Pass

	B,1,1050 B,0,0}		
T1.PTS.STC.003.018	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,200 M,1,0 M,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{1400,201501221200,B} Settled_Metro_Fee.txt{700,201512200936,M}	Pass
T1.PTS.STC.003.019	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,200 M,1,0 M,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{530,201501241640,B} Settled_Metro_Fee.txt{2068,201501241832,M}	Pass
T1.PTS.STC.003.020	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 M,0,0 B,1,0 B,0,200 M,1,0 M,0,300 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1580,201501252248,B} Settled_Metro_Fee.txt{1018,201501252016,M}	Pass
T1.PTS.STC.003.021	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 M,1,1750	Output=Settled_Bus_Fee.txt{525,201501261544,B} Settled_Metro_Fee.txt{2475,201501261608,M}	Pass

	M,0,200}		
T1.PTS.STC.003.022	Input=Terminal_Data{ M,1,1750 M,0,200 M,1,1050 M,0,200}	Output=Settled_Bus_Fee.txt{0,,B} Settled_Metro_Fee.txt{3200,201501280312,M}	Pass
T1.PTS.STC.003.023	Input=Terminal_Data{ M,1,1750 M,0,200 B,1,0 B,0,200 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{1889,201501302000,B} Settled_Metro_Fee.txt{1310,201501301056,M}	Pass
T1.PTS.STC.003.024	Input=Terminal_Data{ B,1,1750 B,0,0 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{2800,201502040216,B} Settled_Metro_Fee.txt{0,,M}	Pass
T1.PTS.STC.003.025	Input=Terminal_Data{ B,1,1750 B,0,0 M,1,0 M,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{1157,201502060512,B} Settled_Metro_Fee.txt{1942,201502060616,M}	Pass
T1.PTS.STC.003.026	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 B,1,1650 B,0,0}	Output=Settled_Bus_Fee.txt{2175,201502090616,B} Settled_Metro_Fee.txt{525,201502090552,M}	Pass

T1.PTS.STC.003.027	Input=Terminal_Data{ M,1,1650 M,0,0 M,1,1050 M,0,200}	Output=Settled_Bus_Fee.txt{0,,B} Settled_Metro_Fee.txt{2900,2015}	Pass
T1.PTS.STC.003.028	Input=Terminal_Data{ M,1,1650 M,0,0 B,1,0 B,0,200 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{} Settled_Metro_Fee.txt{}	Pass
T1.PTS.STC.003.029	Input=Terminal_Data{ B,1,1650 B,0,0 B,1,1050 B,0,0}	Output=Settled_Bus_Fee.txt{2700,201502150944,B} Settled_Metro_Fee.txt{0,,M}	Pass
T1.PTS.STC.003.030	Input=Terminal_Data{ B,1,1650 B,0,0 M,1,0 M,0,300 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{1072,201502170904,B} Settled_Metro_Fee.txt{1927,201502171024,M}	Pass
T1.PTS.STC.003.031	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 B,1,1650 M,1,1050 M,0,0}	Output=Settled_Bus_Fee.txt{2175,201502300928,B} Settled_Metro_Fee.txt{1575,201502300952,M}	Pass
T1.PTS.STC.003.032	Input=Terminal_Data{ M,1,1050 B,1,1250	Output=Settled_Bus_Fee.txt{975,201502231136,B} Settled_Metro_Fee.txt{3373,201502231200,M}	Pass

	B,0,0 M,1,0 M,0,300 B,1,0 M,1,1750}		
T1.PTS.STC.003.033	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,1050 B,0,0 M,1,0}	Output=Settled_Bus_Fee.txt{525,201502251552,B} Settled_Metro_Fee.txt{1575,201502261640,B}	Pass
T1.PTS.STC.003.034	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 M,1,1050}	Output=Settled_Bus_Fee.txt{590,201502261640,B} Settled_Metro_Fee.txt{1809,201502261728,M}	Pass
T1.PTS.STC.003.035	Input=Terminal_Data{ M,1,1050 M,0,0 B,1,0 B,0,0 B,1,1050}	Output=Settled_Bus_Fee.txt{1575,201502271624,B} Settled_Metro_Fee.txt{525,201502271552,M}	Pass
T1.PTS.STC.003.036	Input=Terminal_Data{ B,1,1050 B,0,0 M,1,0 M,0,300 B,1,0}	Output=Settled_Bus_Fee.txt{820,201502281104,B} Settled_Metro_Fee.txt{528,201502281048,M}	Pass
T1.PTS.STC.004.000	Input=Clock(YYYYMMDDHHmm	Output=Settled_Bus_Fee.txt{Settled_Fee,Last_Tag,Transportation}	Pass

	=YYYYMMDD0000)	Settled_Metro_Fee.txt{Settled_Fee,Last_Tag,Transportation} OK.txt{NULL}	
T1.PTS.STC.005.000	Input= Day1{정산완료 신호}, Day2(NULL}	Output=Day1.Terminal_Data 정상 생성 Day2.Terminal_Data 정상 생성	Fail
T1.PTS.STC.006.000	Input=Clock(YYYYMMDDHHmm =YYYYMMDD0000) 시스템 상 하루는 180초 이므로, 180초 마다 HHmm는 0000이 된다.	Output=Settled_Bus_Fee.txt{Settled_Fee,Last_Tag,Transportation} Settled_Metro_Fee.txt{Settled_Fee,Last_Tag,Transportation} OK.txt{NULL}	Pass
T1.PTS.STC.007.000	Input=Tag	Output=Card_Data.txt{Tag_time,Transportation,On_Board,Balance, TerminalID_Count}	Pass
T1.PTS.STC.007.001	Input=Tag	Output=Terminal_Data.txt{Tag_time,Transportation,On_Borad,Fee, TerminalID_Count}	Pass
T1.PTS.STC.007.002	Input=Clock(YYYYMMDDHHmm =YYYYMMDD0000)	Output=Settled_Fee.txt{Last_Tag,Settled_Fee,Transportation}	Pass