

Memorandum



Date: **March 4, 2008**

To: Honorable Chairman Bruno A. Barreiro
and Members, Board of County Commissioners

From: 
George M. Burgess
County Manager

Supplement to:
Agenda Item No:
8(A)1(D)

Subject: Supplement to Resolution Approving Agreement Among Miami-Dade County and the Florida Department of Transportation, Florida's Turnpike Enterprise ("FTE"), an executive agency of the State of Florida to incorporate SunPass technology into the public parking facilities at Miami International Airport.

The attached information referenced as "**Exhibit A**" in the subject Joint Participation Agreement was inadvertently omitted from the original agenda package.

A handwritten signature in black ink, appearing to be "George M. Burgess", written over a horizontal line.

Assistant County Manager



**Airport Parking
Functional and Non-functional requirements**

Mobile Commerce Initiative

Version 1.10

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| <i>Project Keystone – Phase I</i> | Version: 1.10 |
| Airport Parking Functional and Non-Functional requirements for M-Commerce | Date: April 2006 |

Revision History

| Date | Version | Description | Author |
|---------------|----------------|--|---------------|
| April 2006 | 1.01 | Initial creation | Ron Plantz |
| June 5, 2006 | 1.02 | Modified all references of ‘batch agency’ to ‘SunPass interoperable agency participating in M-Commerce in batch mode’ | Ron Plantz |
| June 5, 2006 | 1.02 | SunPass interoperable agencies shall transfer funds directly to the M-Commerce partner, not to SunPass | Ron Plantz |
| June 6, 2006 | 1.02 | Document business rule that all refunds shall be initiated by the M-Commerce partner which submitted the original charge. TCA’s shall be prohibited against an M-Commerce txn through CRM. | Ron Plantz |
| June 6, 2006 | 1.02 | Included requirements for interoperable agencies participating in M-Commerce in real-time mode vs batch mode | Ron Plantz |
| June 6, 2006 | 1.02 | Included requirement that transactions rejected show rejection on account ledger | Ron Plantz |
| June 6, 2006 | 1.02 | Included requirement to GENACK transponder on entry and exit. | Ron Plantz |
| June 6, 2006 | 1.02 | Add requirement that exit transaction shall always be approved if charge is zero | Ron Plantz |
| June 6, 2006 | 1.02 | Add requirement that non-revenue transponders shall not be granted access | Ron Plantz |
| June 6, 2006 | 1.02 | Added requirement for SunPass customers to obtain parking receipt through SAS | Ron Plantz |
| June 6, 2006 | 1.02 | Update conditions of a customer in good standing to include active transponder, active account, and patron or commercial revenue types | Ron Plantz |
| June 9, 2006 | 1.03 | Added requirements for writing back to the transponder | Ron Plantz |
| June 13, 2006 | 1.04 | Updates to disallow pulling of ticket if gate vended using transponder. | Ron Plantz |
| June 13, 2006 | 1.04 | Only vend gate on entry if customers account is backed by credit card | Ron Plantz |
| June 13, 2006 | 1.04 | Don’t allow an entry if a previous entry remains in-flight | Ron Plantz |
| July 31, 2006 | 1.05 | Remove requirement to write back to the transponder | Ron Plantz |
| July 31, 2006 | 1.05 | Added the following return codes ‘00’ – request accepted ‘01’ – Denied by SunPass ‘02’ – System problems prevented normal processing of the request | Ron Plantz |
| Sept 18, 2006 | 1.06 | Added requirements for the Detailed transaction activity report to be delivered to M-Commerce Partner for reconciliation against their data | Ron Plantz |

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| | | repository. | |
| Sept 27, 2006 | 1.06 | Added requirements for the GENACK for entry and exit | Ron Plantz |
| Oct 2, 2006 | 1.06 | Added M-Commerce reference ID to exit transaction | Ron Plantz |
| Oct 2, 2006 | 1.06 | Expanded refund requirements to include discussion items surrounding refund | Ron Plantz |
| Oct 26, 2006 | 1.07 | Added additional details to GENACK for entry and exit | Ron Plantz |
| Oct 26, 2006 | 1.07 | Added requirements for delivery of Daily Activity Report in Excel and attached a sample report. | Ron Plantz |
| Oct 26, 2006 | 1.07 | Modified the presentation to move details related to Interoperable Agencies to its own section | Ron Plantz |
| Dec 7, 2006 | 1.08 | Corrected display message for entry as part of Genack | Ron Plantz |
| Dec 7, 2006 | 1.08 | Removed section on interoperable partners operating in batch mode. Inclusion of interoperable partners to be added at a later date as part of a separate phase of the project | Ron Plantz |
| Dec 8, 2006 | 1.08 | Added additional requirements for the Weekly Airport Parking Deposit Summary Report and provided a sample report as Attachment C | Ron Plantz |
| Dec 8, 2006 | 1.08 | Added additional requirements for the Monthly Credit Card Fee Reconciliation Report and provided a sample report as Attachment D | Ron Plantz |
| Dec 8, 2006 | 1.08 | Provided a sample Refund Request Form as Attachment E | Ron Plantz |
| Feb 26, 2007 | 1.08 | Provided a sample In-Flight Transactions report | Ron Plantz |
| May 7, 2007 | 1.09 | Modified Type III display message when transponder is rejected for payment to show existing 'Invalid' message rather than 'Payment Failed' message. This was required since the page where 'Payment Failed' was to be created is password protected and therefore will not be used. | Ron Plantz |
| Dec 5, 2007 | 1.10 | Modified the In-Flight report to include the M-Commerce Partner's original reference ID | Ron Plantz |
| Dec 5, 2007 | 1.10 | Removed all references to Interoperable Agencies operating in batch mode to reflect M-Commerce Partners' position that batch processing does not fit within their operating plan. | Ron Plantz |

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Modern Software Requirements Specification

1. Introduction

1.1 Purpose

This document lists the detailed requirements associated with the M-Commerce portion of the SunPass Account System.

1.2 Scope

Functional and non-functional requirements are provided for the interaction between SunPass and its Airport Parking partners. Currently SunPass is interoperable with OOCEA (E-Pass), Lee County (LeeWay) and Osceola county (O-Pass). These Interoperable partners will not participate in the initial implementation of M-Commerce.

The requirements specific to the M-Commerce lane processing are outside the scope of this document.

The requirements specific to the M-Commerce revenue control system are outside the scope of this document.

1.3 Definitions, Acronyms and Abbreviations

SAS – SunPass Account System

Interoperable Tolling Agencies – Tolling Agencies for which Florida Turnpike Enterprise has an interoperable agreement – OOCEA (E-Pass), Lee County (LeeWay), Osceola County (O-Pass).

AVI – Automatic Vehicle Identification

Transponder – Radio Frequency (RF) device used to identify an AVI customer.

Request to enter transaction – a transaction requesting confirmation the customer should be allowed to enter the M-Commerce facility using their AVI transponder. A positive response to this transaction should vend the gate.

Confirmation of entry transaction – a transaction confirming the customer entered the M-Commerce facility using their AVI transponder.

Request to exit transaction – a transaction requesting confirmation the customer has adequate funds to cover the charge. A positive response to this transaction should vend the gate.

Abandon AVI transaction – a transaction notifying SunPass a customer who entered the M-Commerce facility using an AVI transponder will be using an alternative method of payment at exit.

Transponder Validation File – A batch file sent to SunPass nightly by a batch agency containing all transponders that agency considers to be in good standing.

Entry Transaction File – A batch file sent nightly from SunPass to agencies participating in M-Commerce in batch mode containing all entry transactions received by SunPass for confirmed entries using a transponder belonging to the agency.

Exit Transaction File – A batch file sent nightly from SunPass to agencies participating in M-Commerce in batch mode, containing all exit transactions received by SunPass for accepted exits using a transponder belonging to the agency.

Easy Pay – enrollment into automatically charging a specified amount to a credit card on file the moment the account balance falls below a specified threshold

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SunPass Plus – Designation that the transponder can be used in SunPass mobile commerce (a.k.a. M-Commerce) initiatives.

Day Divide – The time at which the previous day is considered closed and a new day begins. The day-divide is specified by each M-Commerce partner.

Genack – The general acknowledgement interaction with a transponder was either successful or unsuccessful. The acknowledgement activates the audio and/or visual features of the transponder.

1.4 References

SunPass Keystone Phase 1 requirements
 Interoperability Interface Specifications document
 OOCEA-GOAA Interoperability Business Rules document
 OOCEA-FDOT Airport Parking Internal Processing Requirements document

1.5 Overview

With SunPass M-Commerce initiatives, SunPass customers having accounts in good standing will be allowed to use their prepaid account balance to cover non-toll expenses at locations where the SunPass logo is displayed. This document specifies the requirements for the SunPass M-Commerce initiatives.

Where SunPass and another toll collection agency agree to interoperate, designating SunPass as the home agency, the requirements associated with the exchange of data between SunPass and the interoperable toll collection agency are included in this document.

The initial SunPass M-Commerce implementation will be at airport parking facilities where the fee to be charged is based on length of time in the facility. These requirements shall be expanded where necessary to satisfy any other M-Commerce initiatives that may follow.

2. SunPass Non-functional requirements

The M-Commerce partner shall interface with SunPass real-time. No batching of transactions shall be permitted.

The SunPass host shall not require any information regarding the M-Commerce partner's rates or rate structures.

All SunPass processes that make up the M-Commerce Interface shall meet the non-functional requirements specified for the SAS system.

The M-Commerce partner shall provide a communication link between their facility and SunPass having adequate bandwidth to accommodate the expected transaction volume from that facility

2.1.1 Redundancy

The M-Commerce partner shall provide adequate redundancy in hardware to ensure no single points of failure

The M-Commerce partner shall provide adequate redundancy in communications to ensure no single points of failure

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2.1.2 Security

The M-Commerce partner shall be authenticated as a partner whom SunPass has an interoperable agreement to allow processing of M-Commerce transactions.

SunPass shall provide a Digital Certificate for M-Commerce Partners for authentication over SSL (HTTPS).

SunPass may change the Digital Certificate periodically for security reasons.

SunPass shall provide a mechanism to update the Digital Certificate to its M-Commerce partners

3. SunPass Functional Requirements

This section details the M-Commerce requirements specific to SunPass. SunPass will be acting as the parent agency for these M-Commerce initiatives and may enter into an interagency interoperability agreement. In such cases, the M-Commerce partner shall interface with SunPass alone and SunPass shall interface with the agencies for which such an agreement is created.

3.1.1 Entry to M-Commerce Facility

These requirements relate specifically to the entry to the M-Commerce facility. On approach to the entry gate, the M-Commerce partner shall submit a request to enter transaction to SunPass. SunPass will return either a negative or positive response from which the M-Commerce partner may decide whether or not to vend the gate.

3.1.1.1 Request to enter transaction

The M-Commerce partner shall send a request to enter transaction to SunPass upon successfully reading an AVI transponder at any entry location.

The request to enter transaction shall include the transponder ID of the transponder read at the entry location.

The request to enter transaction shall include the plaza ID of the entry location.

The request to enter transaction shall include the entry date/time.

SunPass shall return one of the following in response to the request to enter:

'00' if the entry should be granted

'01' if SunPass denies entry based on the current status of the account

'02' if system problems prevented normal processing of the request

SunPass shall return false if the request to enter should be denied.

A SunPass customer shall be granted entry to the M-Commerce partner's facility using their AVI transponder, only if the customer's account associated with that transponder is in good standing .

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A SunPass customer shall be considered in good standing if all the following conditions are satisfied:

their balance is greater or equal to zero

the transponder status is active

The customers account to which the transponder is associated is active

The revenue class is either Patron or Commercial

The account to which the transponder is associated is on Easy Pay replenishment

The transponder is designated as SunPass Plus

If access to the parking facility is granted using the transponder, the lane controller at the entry location shall send a GENACK to the transponder, while in the RF Zone, activating the audio/visual features representing a good transaction:

The audio features, if available, shall present a long high tone

The light features, if available, shall present a long green light

The LCD display, where available, shall present a blank screen

If access to the parking facility is not granted using the transponder, the lane controller at the entry location shall send a GENACK to the transponder, while in the RF Zone, activating the audio/visual features representing a rejected transaction:

The audio features, if available, shall present a low low low tone

The light features, if available, shall present a flashing red light

The LCD display, where available, shall present an 'Invalid' message

A customer shall not have the option to pull a ticket once entry is granted using their AVI transponder.

The request to enter shall be denied if a previous entry for the same transponder remains in-flight.

3.1.1.2 Entry during periods of communication failure

In order to provide uninterrupted service to the greatest extent possible during a failure in communication, a backup repository will be provided containing the transponders that were considered in good standing up to the point of the communication failure. This list of transponders can only be used for entry purposes and not beyond a short period of time.

The M-Commerce partner shall provide the capability to maintain a backup repository of transponders considered to be in good standing in cases of communication failure.

The SAS system shall provide the capability of providing updates to the backup repository of transponders

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maintained by the M-Commerce partner.

The repository of transponders considered to be in good standing shall be up to date to the point of communication failure with the exception (possibly) of our batch agency transponder lists.

The repository of transponders considered to be in good standing shall only be used for purposes of determining if entry should be allowed during a communication failure.

The repository of transponders considered to be in good standing shall not be used if communication has been down for more than 2 days.

Confirmed entry transactions that have accumulated during a period of interrupted communication shall be submitted to SunPass immediately upon communication being restored.

Abandon AVI transactions that have accumulated during a period of interrupted communication shall be submitted to SunPass immediately upon communication being restored.

Refund transactions that have accumulated during a period of interrupted communication shall be submitted to SunPass immediately upon communication being restored.

3.1.1.3 Confirmed entry transaction

The confirmed entry transaction provides confirmation that the customer entered the M-Commerce facility using their AVI transponder without pulling a ticket. The expectation is that this customer shall also exit the facility using the same AVI transponder. Any future transactions tied to this entry shall include the transaction ID returned in response to receiving the confirmed entry transaction.

The M-Commerce partner shall send a confirmed entry transaction to SunPass upon verifying that the customer entered using their AVI transponder and did not pull a ticket.

The confirmed entry transaction shall be viewable on a SunPass customer's account upon receipt at the SunPass host.

The confirmed entry transaction shall be stored in the SunPass lane transaction table regardless of which agency the transponder belongs.

A confirmed entry transaction shall be considered a duplicate if another entry transaction for the same transponder has already been processed at the same plaza having a date/time within 60 seconds.

A confirmed entry transaction shall be rejected if it is considered a duplicate.

The confirmed entry transaction shall include the M-Commerce partners reference ID for the confirmed entry

The confirmed entry transaction shall include the transponder ID read at the entry location .

The confirmed entry transaction shall include the plaza ID of the entry location.

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The confirmed entry transaction shall include the lane from which the transponder was read.

The confirmed entry transaction shall include the entry date/time.

SunPass shall return the transaction ID created when storing the confirmed entry transaction to the lane transaction table.

3.1.1.4 Logging Rejections

To assist the SunPass customer service representatives in resolving customer complaints that may result from a rejected entry, the customers account shall log information associated with the rejected transaction if the transaction is associated to a SunPass customer.

A note shall be created on the customers account whenever a request to enter an M-Commerce facility is rejected

The rejection note shall indicate the transponder to which the rejection occurred.

The rejection note shall indicate the date/time of the attempted entry.

The rejection note shall indicate the plaza name to which the rejection occurred.

The rejection note text shall indicate the reason for the rejection

3.1.2 Exit from M-Commerce Facility

The following requirements relate to the exit from the M-Commerce Facility. The M-Commerce partner shall read the AVI transponder on approach to the exit gate and submit an exit transaction to SunPass.

3.1.2.1 Exit transaction

The M-Commerce partner shall send an exit transaction to SunPass upon successfully reading an AVI transponder at any exit location.

The exit transaction shall reference the transaction ID that was provided to the M-Commerce partner in response to accepting the corresponding entry transaction.

The exit transaction shall include the M-Commerce partners reference ID for the exit transaction.

The exit transaction shall include the transponder ID read in the exit lane.

The exit transaction shall include the plaza ID where the exit request originated.

The exit transaction shall include the lane where the exit originated.

The exit transaction shall include the date/time the exit transaction was generated.

The exit transaction shall include the charge amount calculated by the M-Commerce partner.

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SunPass shall return one of the following codes in response to an Exit Transaction:

'00' if request to exit has been granted by SunPass

'01' if the request to exit has been declined by SunPass

'02' if a system failure prevented normal processing of the request, leading to the request being denied

The entire charge amount on an exit transaction shall be debited against the SunPass customer's prepaid account if the funds are available from their existing account balance.

The entire charge amount on an exit transaction shall be charged to the SunPass customer's Easy Pay card on file if their current account balance does not cover the charge amount and they are enrolled in automatic replenishment.

Where a customer's Easy Pay card on file is charged, the entry to the customer's account ledger shall describe the replenishment resulted from an M-Commerce charge.

The request to exit using SunPass shall be granted if the following conditions are true:

The status of the transponder is active

The account is enrolled in SunPass Easy Pay

The transponder has been designated as SunPass Plus

Payment for the charged amount can be obtained from one of:

The customer's prepaid account.

Authorization on the credit card enrolled in Easy Pay

The request to exit using SunPass shall be denied if any of the following conditions are true:

The entry transaction ID referenced on the exit transaction cannot be found

Payment of the amount charged cannot be made from the customer's prepaid balance nor can authorization be obtained from the customer's Easy Pay card on file.

If exit from the garage is granted using a transponder, the lane controller at the exit location shall send a GENACK to the transponder, while in the RF Zone, activating the audio/visual features representing a good transaction:

The audio feature, where available, shall present a long high tone

The light feature, where available, shall present a long green light

The LCD display, where available, shall display the message "Payment Approved" if the transponders page storing the message "Payment Approved" has been populated at a previous tolling location

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The LCD display, where available, shall display a blank screen if the transponders page storing the message "Payment Approved" has not been populated at a previous tolling location

If exit from the garage is denied using a transponder, the lane controller at the exit location shall send a GENACK to the transponder, while in the RF Zone, activating the audio/visual features representing a rejected transaction:

The audio feature, where available, shall present a low low low tone

The light feature, where available, shall present a flashing red light

The LCD display, where available, shall present the message 'Invalid'.

The exit transaction shall be viewable on the customer's account upon receiving an exit transaction from the M-Commerce facility and the charge has been funded from either the customer's card on file or from their prepaid account balance.

The SunPass host shall send an e-mail receipt if an e-mail address is available, upon receiving an exit from the M-Commerce facility and verification that the charge is funded.

SunPass customers shall be able to obtain an airport parking receipt through SAS, either on-line or through the SunPass customer service center.

If an exit transaction is rejected for any reason, other than duplicate, the exit transaction shall be viewable on the transponder activity detail having a charge of zero and an Unusual Occurrence Code that indicates the rejection.

If an exit transaction is rejected for any reason, other than duplicate, the exit transaction shall be viewable on the account financial activity detail showing zero amount collected

If an exit transaction is rejected for any reason, other than duplicate, the exit transaction shall be viewable on the account financial activity detail showing that the transaction was rejected

If an exit transaction is rejected as a duplicate, the exit transaction shall not be viewable on the customer's account.

An exit transaction shall be considered a duplicate transaction if another exit transaction for the same transponder has already been processed having the same transaction ID.

The SunPass host shall not perform any validation of the charge presented on the exit transaction.

During special events, where charges are lifted, the M-Commerce partner shall send an exit transaction having a zero charge, only if an entry transaction was previously accepted by SunPass and a transaction ID was obtained.

3.1.2.2 Logging Rejections

To assist the SunPass customer service representatives in resolving customer complaints that may result from a rejected entry, the customers account shall log information associated with the rejected transaction if the transaction is associated to a SunPass customer.

A note shall be created on the customers account whenever a request to enter an M-Commerce facility using

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SunPass is rejected

The rejection note shall indicate the transponder to which the rejection occurred.

The rejection note shall indicate the date/time of the attempted entry.

The rejection note shall indicate the plaza name to which the rejection occurred.

3.1.2.3 Exiting with alternative method of payment

Even though a customer enters the M-Commerce facility using their AVI transponder, they may request to exit using an alternative method of payment. In such cases, the M-Commerce partner must notify SunPass that the confirmed entry transaction is being abandoned.

The M-Commerce partner shall provide an abandon AVI transaction to SunPass whenever an exit occurs where the customer used an AVI transponder on entry but will be using an alternative method of payment on exit.

The abandon AVI transaction shall reference the transaction ID that was provided to the M-Commerce partner in response to accepting the confirmation of entry transaction.

The abandon AVI transaction shall be viewable on a SunPass customer's account having a charge amount set to zero.

Only one abandon AVI transaction shall be recorded for a single entry transaction

The abandon AVI transaction shall be viewable on a SunPass customer's account having a description indicating abandon of M-Commerce transaction

3.1.3 Refunds honored by the M-Commerce partner

Customer disputes shall be handled through the SunPass customer service center. Where a refund is requested, SunPass shall record the customer details and contact the M-Commerce partner. All refunds shall be approved by the M-Commerce partner who created the original parking charge transaction. Where a refund is granted, the M-Commerce partner shall submit the refund adjustment (either partial or full) through the M-Commerce service interface. Creation of the refund transaction shall imply approval has been granted. A user interface shall be provided to the M-Commerce Partner to look up the original transaction and generate the refund request if approved. Once processed, a record of the request shall be recorded on the M-Commerce's data repository for reconciliation purposes. A sample refund request form has been provided as

Where a refund (either partial or full) is honored by the M-Commerce partner, an exit transaction shall be submitted to SunPass having a negative amount equal to the amount being refunded.

The refund transaction shall copy all data elements of the original exit transaction, replacing the original charge with the negative refund amount.

One or more refunds shall be permitted for the same exit transaction

The total amount refunded for any original exit transaction cannot exceed the amount originally charged

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A refund request shall be rejected if the original exit transaction cannot be found

Where a refund is rejected because the original exit transaction is not found or the amount refunded exceeds the original charge, the customers account shall be noted

All refunds shall be recorded as Toll Credit Adjustments on the customers account

The SAS application shall prevent the issuance of a Toll Credit Adjustment against any M-Commerce transaction from within the SunPass Customer Service Center.

3.1.4 Distribution of Revenue

This section includes requirements associated with the transfer of funds from the SunPass prepaid account to the M-Commerce's revenue account.

The distribution of revenue to the M-Commerce partner shall include all charges accepted at the SunPass host during that distribution period.

The distribution period shall be from the previous Thursday through Wednesday midnight of the current week

Refunds honored during the distribution period shall be deducted from distributed revenue to the M-Commerce partner for that period.

Credit card fees of 2% of the total revenue calculated for the distribution period shall be deducted from the distributed revenue for that period.

SunPass shall transfer funds weekly to the M-Commerce partner each Monday by 4PM.

The period between midnight on the last Wednesday of the month and midnight of the last day of the month shall make up the final distribution for the month

A reconciliation of credit card fees shall be performed monthly. The reconciliation amount shall be calculated based on the actual credit card fees incurred by SunPass multiplied by M-Commerce partner's total revenue for the month compared to the overall SunPass revenue collected for the month less any credit card fees already deducted from that partner's distribution for the month.

3.1.5 Reconciliation of unrealized revenue

This section covers the requirements when parking charges are assumed paid and revenue distributed, but later payment is not realized. Since SunPass and its M-Commerce partners are communicating real-time, such events are expected to be unlikely, however, should the situation occur, the following requirements apply.

A monthly reconciliation of revenue shall be performed by SunPass to recover any revenue over-distributed.

3.1.6 Reporting

This section specifies the financial reporting requirements for SunPass M-Commerce. To the greatest extent possible these

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reports shall follow the existing revenue distribution reports already established in either of the Interoperability Interface Specifications document.

3.1.6.1 Weekly Airport Parking Deposit Summary Report

4. This report provides a daily summary of M-Commerce revenue processed in the period for which the report is created, the credit card fees deducted and the amount to be distributed to the M-Commerce partner. A sample of the report can be found as Attachment B – In-flight transactions report

In-Flight Transaction Detail Aging Report

Fort Lauderdale Intl Airport NEW

Time Frame: 01/08/2007 - 01/09/2007

01/08/2007
04:00:33 PM

| <u>Transponder ID</u> | <u>Entry Date Time</u> | <u>Entry Plaza</u> | <u>Entry Lane</u> | <u>SunPass Txn ID</u> | <u>Customer Name</u> | <u>Days In-flight</u> | <u>Reference ID</u> |
|-----------------------|------------------------|--------------------|-------------------|-----------------------|----------------------|-----------------------|---------------------|
| 999000000110 | 01/08/07 15:59:33 | Three Lakes | 01D | 2057444471 | John Smith | 2 | 123456789012 |

Total: 1

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| Airport Parking Functional and Non-Functional requirements for M-Commerce | Date: April 2006 |

Attachment C – Deposit Summary Report

SunPass shall generate the Weekly Airport Parking Deposit Summary Report by 3PM every Friday.

The daily summary transaction count and revenue amounts presented on the Weekly Airport Parking Deposit Summary Report shall break on the day-divide specified by the M-Commerce Partner.

The Weekly Airport Parking Deposit Summary Report shall present the day-divide time for the M-Commerce partner

The Weekly Airport Parking Deposit Summary Report shall contain a daily summary of all Transponder M-Commerce exit transactions for the period for which the report is being generated.

The Weekly Airport Parking Deposit Summary Report shall include in each daily summary any refund transactions that occurred during the period for which the report is being generated.

The Weekly Airport Parking Deposit Summary Report shall present the total gross revenue processed in the period for which the report is being generated.

The Weekly Airport Parking Deposit Summary Report shall present the total credit card fees to be deducted from gross revenue for the period for which the report is being generated.

The Weekly Airport Parking Deposit Summary Report shall present the net revenue for the period for which the report is being generated. This amount represents the amount to be wire transferred to the M-Commerce partner

4.1.1.1 Monthly Credit Card Fee Reconciliation Report

This report provides a summary of the monthly M-Commerce revenue and the associated credit card fees for each M-Commerce partner. This report will be used to determine the remaining funds to be transferred from the SunPass prepaid account to each M-Commerce partner's revenue account during the month end 'true up'. The report includes any adjustments and any credit card fees passed on to the M-Commerce partner. This report will be created manually using Excel.

SunPass shall generate a Monthly Credit Card Fee Reconciliation Report for the previous month's distribution.

The Monthly Credit Card Fee Reconciliation Report shall be delivered to the M-Commerce partner via E-Mail

The Monthly Credit Card Fee Reconciliation Report shall present the period for which the Credit Card Fee Reconciliation report is generated

The Monthly Credit Card Fee Reconciliation Report shall present the total overall revenue distributed by SunPass in the period for which the report is being generated.

The Monthly Credit Card Fee Reconciliation Report shall present the total credit card fees charged to SunPass in the period for which the report is being generated.

The Monthly Credit Card Fee Reconciliation Report shall present the total revenue distributed to the M-Commerce

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Partner in the period for which the report is being generated

The Monthly Credit Card Fee Reconciliation Report shall present the ratio of M-Commerce revenue to overall revenue distributed by SunPass in the period for which the report is being generated

The Monthly Credit Card Fee Reconciliation Report shall present the M-Commerce partners portion of the overall total Credit Card fees paid by SunPass in the period for which the report is generated

The Monthly Credit Card Fee Reconciliation Report shall present the credit card fees already charged to the M-Commerce partner in the period for which the report is being generated

The Monthly Credit Card Fee Reconciliation Report shall present the either the remaining fees to be collected or fees to be returned to the M-Commerce partner in the period for which the report is being generated

A Monthly Credit Card Fee Reconciliation Report shall be created for each M-Commerce partner.

4.1.1.2 In-Flight Transaction Detail Aging Report

This report lists entry transactions processed a specified number of days prior for which no exits have been received. The absence of transactions on this report verifies that the M-Commerce partner has been submitting AVI Abandon transactions for AVI customers entering using their AVI transponder but opting to pay with an alternative method at exit.

The In-Flight Transaction Detail Aging Report shall present the option to specify the number of days prior to the current day for which entry transactions having no corresponding exit transactions should not be included in the report.

The In-Flight Transaction Detail Aging Report shall show the name of the M-Commerce partner

The In-Flight Transaction Detail Aging Report shall show the entry plaza.

The In-Flight Transaction Detail Aging Report shall show the entry lane.

The In-Flight Transaction Detail Aging Report shall show the entry date/time.

The In-Flight Transaction Detail Aging Report shall show the transaction ID assigned to the entry transaction.

The In-Flight Transaction Detail Aging Report shall show the transponder ID associated with the entry transaction.

The In-Flight Transaction Detail Aging Report shall show the customer name to which the transponder belongs.

The In-Flight Transaction Detail Aging Report shall show the number of days since entry.

The In-Flight Transaction Detail Aging Report shall present the Airport Parking Partners Reference ID.

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4.1.1.3 Daily Transaction Activity Report

This report lists all transactions processed in the specified calendar day. This report will be delivered via E-Mail to the Airport Parking partner at the close of a calendar day to be used to reconcile against their transaction repository. Any discrepancies between what is reported on the Daily Transaction Activity Report and the Airport Parking partner's data repository shall be analyzed to determine impact on revenue distribution. A sample report has been provided in Appendix A.

The Daily Transaction Activity report shall be E-Mailed daily.

The report period shall be configurable based on business day cut-off time of the M-Commerce partner

A separate report shall be created for each M-Commerce partner showing that partners daily activity

The Daily Transaction Activity report shall present the lane transaction ID recorded on the customers account

The Daily Transaction Activity report shall present the M-Commerce Partners reference ID

The Daily Transaction Activity report shall present the Transponder ID read

The Daily Transaction Activity report shall present the Entry Plaza

The Daily Transaction Activity report shall present the Entry Lane

The Daily Transaction Activity report shall present the Entry Date/Time

The Daily Transaction Activity report shall present the Exit Plaza

The Daily Transaction Activity report shall present the Exit Lane

The Daily Transaction Activity report shall present the Exit Date/Time

The Daily Transaction Activity report shall present the Amount Charged

5. Attachment A - Daily Activity Report

SunPass Revenue Transactions Detail Report Fort Lauderdale Intl Airport NEW

DRAFT

Station: ALL
Time Frame: 10/04/2006 - 10/05/2006

10/5/06
11:38:14 AM

1

| TransponderID | Entry Date/Time | Entry Plaza | Entry Lane | Exit Date/Time | Exit Plaza | Exit Lane | Charge | SunPassTanID | ReferenceID | |
|---------------|-------------------|------------------------|------------|-------------------|------------------------|-----------|-----------|-----------------|--------------|--|
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 01 | \$ 10.00 | 123456789012345 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 05 | \$ 15.00 | 123456789012345 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 04 | \$ 100.00 | 123456789012345 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | -\$ 15.00 | 123456789012345 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | \$ 2.00 | 123457789012344 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | \$ 15.00 | 123456789012345 | 987654321098 | |
| 123456780110 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 04 | \$ 40.00 | 123456789012345 | 987654321098 | |
| 123456780510 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 01 | \$ 10.00 | 123456789012345 | 987654321098 | |
| 123456780510 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 05 | \$ 15.00 | 123456789012345 | 987654321098 | |
| 123456780510 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 04 | \$ 100.00 | 123456789012345 | 987654321098 | |
| 123456780510 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | -\$ 15.00 | 123456789012345 | 987654321098 | |
| 123456780510 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | 10/04/06 04:27:09 | Cypress Garage Level 3 | 02 | \$ 2.00 | 123457789012344 | 987654321098 | |
| Total | | | | | | | 12 | \$849.00 | | |

SunPass Revenue Transactions Detail Report Fort Lauderdale Intl Airport NEW

DRAFT

Station: ALL
Time Frame: 10/04/2006 - 10/05/2006

10/5/06
11:38:14 AM

2

| Grand Totals | Transactions | Revenue |
|--------------|--------------|-----------------|
| Charges | 10 | \$379.00 |
| Refunds | 2 | (\$30.00) |
| Other | 0 | \$0.00 |
| Total | 12 | \$349.00 |

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6. Attachment B – In-flight transactions report

In-Flight Transaction Detail Aging Report

Fort Lauderdale Intl Airport NEW

Time Frame: 01/08/2007 - 01/09/2007

01/08/2007
04:00:33 PM

| <u>Transponder ID</u> | <u>Entry Date Time</u> | <u>Entry Plaza</u> | <u>Entry Lane</u> | <u>SunPass Txn ID</u> | <u>Customer Name</u> | <u>Days In-flight</u> | <u>Reference ID</u> |
|-----------------------|------------------------|--------------------|-------------------|-----------------------|----------------------|-----------------------|---------------------|
| 999000000110 | 01/08/07 15:59:33 | Three Lakes | 01D | 2057444471 | John Smith | 2 | 123456789012 |

Total: 1

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| <i>Project Keystone – Phase I</i> | Version: 1.10 |
| Airport Parking Functional and Non-Functional requirements for M-Commerce | Date: April 2006 |

7. Attachment C – Deposit Summary Report

Airport Parking Deposit Summary Report 10/1/2006 02:30:00 AM to 10/11/2006 02:29:59 AM

| Date | Count Sent | Amount Sent |
|---------------------------------|-------------------|--------------------------|
| 10/1/2006 | 699 | 11,259.00 |
| 10/2/2006 | 1,019 | 25,149.00 |
| 10/3/2006 | 849 | 16,444.00 |
| 10/4/2006 | 702 | 12,931.00 |
| 10/5/2006 | 829 | 15,396.00 |
| 10/6/2006 | 1,078 | 22,118.00 |
| 10/7/2006 | 1,079 | 23,169.00 |
| 10/8/2006 | 738 | 10,786.00 |
| 10/9/2006 | 1,012 | 27,264.00 |
| 10/10/2006 | 1,066 | 27,854.00 |
| 10/11/2006 | 1,028 | 26,589.00 |
| <hr/> | | |
| Week Totals | 10,099 | 218,959.00 |
| Less 2% Credit card fee | | (4,379.18) |
| Net Wire Transfer (date) | | <u>214,579.82</u> |

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| <i>Project Keystone – Phase I</i> | Version: 1.10 |
| Airport Parking Functional and Non-Functional requirements for M-Commerce | Date: April 2006 |

8. Attachment D - Credit Card Fee Reconciliation

SunPass Operations
Credit Card Fee Reconciliation
FLL Airport

August-06

| | |
|---|--------------------|
| Total SunPass Credit Card Fees | \$ 1,000,000.00 |
| Total FLL Distribution | \$ 500,000.00 |
| Total SunPass Distribution | \$ 40,000,000.00 |
| Percentage | <u>1.25%</u> |
| Credit Card Fees allocated to FLL | \$ 12,500.00 |
| Actual Amount Deducted during August 2006 | \$ 10,000.00 |
| Difference | \$ <u>2,500.00</u> |

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| <i>Project Keystone – Phase I</i> | Version: 1.10 |
| Airport Parking Functional and Non-Functional requirements for M-Commerce | Date: April 2006 |

9. Attachment E – Refund Request Form

Refund Request Form will be supplied when available.