Sky Frog English User Manual (Version 1.0)

Version 1.0 Revision A (February 2012)

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Simat Technologies, PCL

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Revision History

Change	Date	Description
Version 1.0 (Revision A)	February 2012	Initial release

Contents

Useful Information

Contact Simat Technologies

Corporate Web Site: www.simat.co.th

Sky Frog Website: www.skyfrog.net

Email Form: http://www.skyfrog.net/contact_us.html

Thailand Phone: +66(0)2-326-0999

Thailand Fax: +66(0)2-326-1666

Sky Frog Support

www.skyfrog.net/support/

Sky Frog FAQ

www.skyfrog.net/faq

Sky Frog Accessories

www.skyfrog.net/options

Sky Frog Releases

This Sky Frog User Manual is for Sky Frog version 1.0. The release information for each part of the Sky Frog software is shown below:

Web – 1.2.2

POD – 1.01.04.05

GPS – 1.01.04.05

PTT – 1.0

Notational Conventions

The following conventions are used in this document:

• "Handheld" refers to the Motorola ES400 Ruggedized Smartphone

• "Web" refers to the Sky Frog Cloud based service

Bold text is used to highlight the following:

• Dialog box, window, and screen names

• Drop-down list and list box names

• Check box and radio button names

• Key names on a keypad

• Button names on a screen.

What's included in this box

Sky Frog

- Sky Frog Vehicle sticker (Optional)
- Sky Frog DVD (includes user manual, training videos and End User Subscription Agreement)

Motorola

- Motorola ES400 Handheld
- Motorola ES400 Power Adapter
- Motorola ES400 Quick Start Guide
- Motorola ES400 User Agreement

Introduction

Intended Readership

This user manual is intended for users of Simat Technologies 'Sky Frog' service using a Motorola ES400 Handheld.

Purpose

The purpose of this Software user manual is to provide instructions on the use of the 'Sky Frog' Windows Mobile Software Services.

This Manual also includes a Quick Start Guide to using the 'Sky Frog' Cloud based service. Video Instructions on the use of the 'Sky Frog' Cloud based service can be found at:

www.skyfrog.net/download/ or on the included 'Sky Frog DVD'

Related Documents

1. Motorola ES400 Quick Start Guide (included with your ES400)
2. Motorola App Center Windows Mobile Administrator Guide
3. Motorola ES400 User Guide

Problem Reporting/Suggestions Contact Us Instructions

If you find a problem or have a suggestion regarding the 'Sky Frog' service or Motorola ES400 Handheld please contact us via our website http://www.skyfrog.net/contact_us.html.

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Overview

Sky Frog 'Your All in 1 Logistics Solution' is a Windows Mobile and cloud based software service provided by Simat Technologies, PCL using a Motorola ES400 Handheld. It consists of three services:

1. GPS Tracking
2. Walkie Talkie or Push to Talk (PTT)
3. Proof of Delivery (POD)

Sky Frog services that users can subscribe to on a monthly basis are shown in Table 1 below.

Option	Sky Frog Services
1	GPS Tracking + Walkie Talkie + Proof of Delivery (Most Popular)
2	GPS Tracking + Proof of Delivery
3	GPS Tracking + Walkie Talkie
4	GPS Tracking
5	Walkie Talkie

Table 1: Sky Frog monthly subscription options (purchase plan)

Note: Thai users are able to subscribe to either a lease plan or purchase plan for option 1.

Pre-Requisites

To use the 'Sky Frog' service users require a Motorola ES400 Handheld and mobile internet connection from their local mobile network provider, see Figure 1 below.

Figure 1: Pre-Requisites required for the Sky Frog service

Note: The Motorola ES400 Handheld and an unlimited DTAC internet usage SIM are included in the Sky Frog service lease plan for Thai users.

Simat Technologies, PCL requires Sky Frog users to email us their mobile phone numbers for each handheld via our website http://www.skyfrog.net/contact_us.html. Simat Technologies, PCL will then send the Sky Frog customer the information they require to activate their Sky Frog service. See Table 2 below for further details:

Service	Information Simat Technologies, PCL will send to a Sky Frog customer to activate their service	
	Handheld	Web
GPS Tracking	N/A	Company ID/Code
Walkie Talkie	N/A	Company ID/Code
Proof of Delivery	N/A	Company ID/Code

Table 2: Activation Information for a new Sky Frog customer

Quick Start Guide to 'Sky Frog' Cloud Based Service

The Sky Frog cloud based service is a web browser application designed for Managers of Logistics companies. Features include the ability to:

1. Track Sky Frog enabled handhelds/vehicles in real-time
2. Monitor traffic congestion along routes taken by Sky Frog vehicles
3. Retrace the route history of vehicles for up to 30 days and see where vehicles have stopped to fill up with petrol/gas or pickup and deliver goods
4. Set a high priority job and send jobs to Sky Frog Handheld's to get the "Right Worker" for the "Right Job" to the "Right Place" at the "Right Time!"
5. Receive confirmation of jobs with an image capture and/or a signature
6. Setup Points of Interest (POI) such as locations of petrol/gas stations and garages
7. Setup email alerts for when vehicles arrive at their pickup point and receive a job/goods and/or deliver/complete jobs.
8. Quickly view a report on the status of jobs, movement of vehicles and vehicle fuel costs

Instructions

1. Open up either Internet Explorer 8.0 or Google Chrome 14.0.835.187m browser. Go to www.skyfrog.net
2. Click 'Customer Login' at the top right of the page
3. Enter your 'Company Code' which you received from us
4. Enter the default Username '**system'** and Password '**1234'**
5. You should now see the Sky Frog Start-up page, see Figure 2 below.
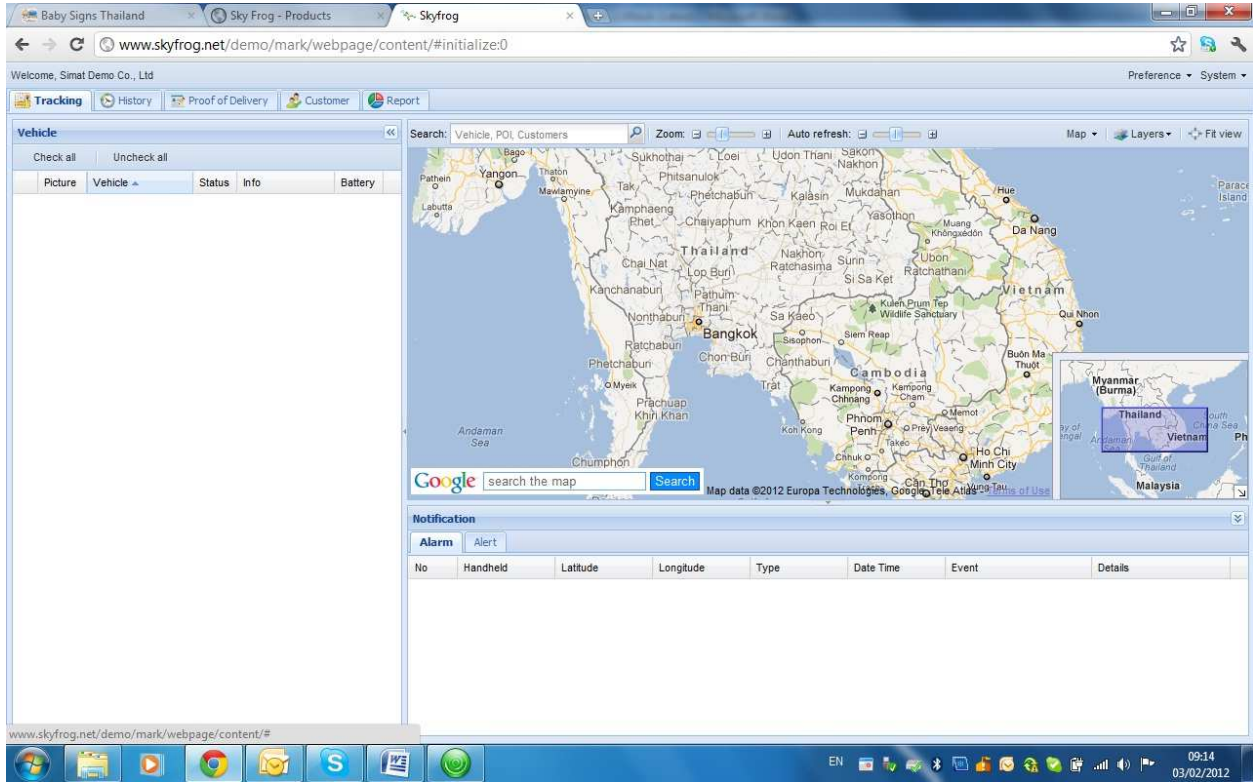
Figure 2: Example of Sky Frog Start-up page

The tabs shown on your Sky Frog cloud based service depends on which Sky Frog subscription service a customer has purchased. See Table 3 shown below.

Sky Frog Service	Tabs shown
1	Tracking, History, Proof of Delivery, Customer and Report
2	Tracking, History, Proof of Delivery, Customer and Report
3	Tracking, History and Report
4	Tracking, History and Report
5	Walkie-Talkie

Table 3: Sky Frog Tabs shown depending on Sky Frog service

Initial Web Setup and Instructions of use

Video training tutorials for the 'Sky Frog' cloud based service can be found at
http://www.skyfrog.net/download.html

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Functional Description of Windows Mobile Software

GPS Tracking

The GPS Tracking Software is used to connect to the web to enable real-time tracking of vehicles at the main office. It features a numeric speedometer display to allow a user to monitor their speed. Features include an icon to open up PTT and an icon to inform a user if the vehicle ignition detection system (Note: Requires optional Bluetooth ignition detection accessory) is connected and online. A basic compass and trip counter is also provided for simple guidance and job reporting.

Proof of Delivery

The Proof of Delivery software is capable of receiving jobs at a touch of an icon and creating a route to job pickup and delivery points. When a job has been completed user can send proof of delivery (time stamped signature and/or photo) back to the main office through the web.

The software also features a refuelling function. Users are able to enter the amount of fuel (litres), cost and take a photo of the odometer. When this information is saved it is automatically sent to the web and can be used for monitoring fuel usage.

Walkie Talkie

The walkie talkie or PTT service can be used to quickly communicate with other handhelds. A user can either communicate to another individual handheld or all handhelds in a group. An optional external lapel speaker and microphone accessory can be attached to the handheld to enable a user to easily use the PTT service whilst driving.

Cautions and Warnings

The GPS Tracking and Walkie Talkie Sky Frog Windows Mobile Software have been designed to be used whilst driving. The POD Software has not been designed to be used whilst driving.

Simat Technologies, PCL does not take any responsibility in the result of death or injury from using Sky Frog. See Sky Frog End User Subscription Agreement (v1.0) at http://www.skyfrog.net/download.html for further details.

Instructions on the usage of the Sky Frog Windows Mobile Software

Motorola App Center

When you first boot up your handheld you will be presented with the Motorola App Center (User) Welcome screen, as shown in Figure 3 below. Note: Only the icons of the Sky Frog services a user has subscribed to will be shown.
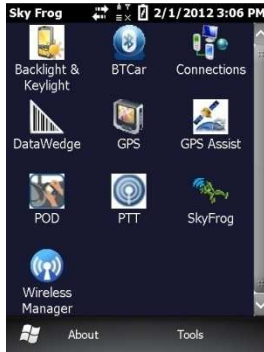

Figure 3: Motorola App Center Welcome Screen

A description of the Sky Frog related icons shown in the App Center (User) Welcome Screen is shown in Table 6 below.

Icon	Description
	Transmit/Receive Status Indicator
	Mobile Phone Strength Indicator
	Wi-Fi Strength Indicator
	Settings for Backlight and Keylight
	Bluetooth Engine Detection Accessory (Note: This application cannot be opened)
	Mobile Phone network configuration

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		Software to turn on/off the 1D/2D barcode scanner on the handheld
		Sky Frog GPS Tracking Service
		Software to allow the handheld to find its current location quickly
		Sky Frog Proof of Delivery (POD) Service
		Sky Frog Walkie Talkie/PTT Service
		Sky Frog 'All in 1' shortcut that opens up all the Sky Frog services that a user has subscribed to. Note: This icon is not shown if a user has subscribed to only GPS Tracking (Option 4) or only Walkie Talkie (Option 5).
		Software to manage Wi-Fi, Bluetooth and Phone Connections

Table 4: Description of Sky Frog icons shown on Motorola App Center Welcome Screen

The Motorola App Center consists of two pieces of software; AppCenter (user) and AppCenterAdmin (Administrator). The AppCenterAdmin is used to configure what software on the handheld can be used and displayed on the AppCenter (user) software. This allows administrators to add software or restrict software that a user can use on the handheld.

To log out of App Center and to the Windows Mobile Desktop, the administrator should follow the instructions shown below:

1. Tap **Tools** and **Exit**
2. Enter the password '**symbol'** and tap **OK**
3. The user should now be at the Windows Mobile Desktop

Further information regarding the use of the Motorola App Center software can be found in the 'Motorola App Center Windows Mobile Administrator Guide' at http://www.skyfrog.net/download.html

Cautions and Warning

Simat Technologies, PCL shall install the required Sky Frog Windows Mobile Software according to the Sky Frog option that a customer has subscribed to. On the rare occasion that we have installed the incorrect software please contact the 'support' team via our 'Contact Us' page http://www.skyfrog.net/contact_us.html

Pre-Requisites (Connecting to the internet)

Connect your handheld to the internet via Wi-Fi or CDMA/GSM/UMTS. See 'Motorola ES400 User Guide' for instructions. For GSM networks, users will need to follow the instructions shown below to configure a GSM Data Connection:

1. Tap **Connections** > **Add a new modem connection**
2. Enter a connection name in the '**Enter a name for the connection'** text box
3. Tap and select '**Cellular Line (GPRS)**' in the '**Select a modem'** drop down box
4. Tap **Next**
5. Enter the APN from the network provider in the 'Access point name' e.g. www.dtac.co.th
6. Tap **Next**
7. Enter a User name in the **'User name'** text box, if required by the network provider
8. Enter a Password in the '**Password**' text box, if required by the network provider
9. Enter a Domain in the '**Domain'** text box, if required by the network provider
10. Tap **Finish**

GPS Tracking

Pre-Requisites

To use the GPS Tracking Service users must first register their mobile phone numbers with us by sending their phone numbers to our 'support' team via our 'Contact Us' page http://www.skyfrog.net/contact_us.html. Note: This is only required for Sky Frog purchase plan users.

We will contact you back to let you know once registration has been completed. Once your registration has been completed you may activate your GPS Tracking Service as described below.

To use the GPS Tracking Service the handheld should be connected to the internet and must have line of sight to GPS satellites. Furthermore, a web user must configure a handheld user account (under **preference > User Management**) and assign it to the handheld (**preference > Handheld**). See the Video training tutorials for the web at http://www.skyfrog.net/download.html

GPS Tracking Service

1. Tap **GPS Assist > Update Now**. Once the '**Last update**' has been successful '**Successful**' is displayed. Next tap **OK.**
2. Tap **GPS**. You will be presented with the GPS Tracking Main screen as shown below in Figure 4

Figure 4: GPS Tracking Main Screen

A description of the icons shown in Figure 4 is shown in Table 6 below.

Icon	Description
	Tools icon used to activate and upgrade the GPS Tracking Software
	Exit icon used to close the Software. Note: Software does not close but instead is minimised as a background task
	Icon to show if the 'Sky Frog Bluetooth ignition detection module' is connected or not. Note: Requires Sky Frog Bluetooth ignition detection module accessory
	Icon to show if 'Sky Frog PTT' service is connected or not. Tapping this icon opens up the Sky Frog PTT Software

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		Icon to reset the trip counter
		Icon to show the network connection status
		Icon to unlock/lock the GPS Tracking screen. When in unlock mode the GPS Tracking software will minimise into the background within 10secs if no external power has been detected. If external power is applied the GPS Tracking screen will not minimise. When in locked mode the GPS Tracking software will not minimise even if external power has been removed.
0892024194		Handheld ID (HHID)/Mobile Phone Number used for activation
		Icon to show the battery level of the handheld
		Icon to show the number of GPS satellites that the handheld has line of sight to. The GPS Tracking Software must be able to receive GPS signals from at least 3 satellites to provide tracking.
		Icon to show the heading that the handheld is moving in

Table 5: Description of Sky Frog icons shown on GPS Tracking Main Screen

Initial Activation Instructions

1. Tap , this will then display a 'GPS Tracking Activation' Screen as shown in Figure 5 below. Enter your Company ID (provided by Simat Technologies, PCL) and mobile phone number. Tap 'Activate' to activate your GPS Tracking service. Note: Activation is only required for Sky Frog purchase plan users.

Figure 5: Sky Frog GPS Tracking Activation Screen

2. If successful 'Activated' is displayed and all of the Sky Frog services that a user has subscribed to opens up automatically. The mobile phone number gets automatically entered into the 'Username' text box of the POD and/or PTT software for users who have subscribed to options

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1-3. If the error message '**Invalid key'** is displayed please try retyping your phone number or rebooting the device (See the section on Troubleshooting).

Note: The GPS Tracking service must be activated before the program can be closed and minimised. If you are having any trouble activating your handheld please contact our support team. Furthermore, web users may need to wait up to 3mins before the handheld is displayed on the tracking tab.

The '**GPS Tracking Activation'** Screen also includes a software upgrade feature, which when pressed will connect to the Sky Frog server on the internet to check for, download and install any new versions of the GPS Tracking Software. Note: The time it takes for you to upgrade your software depends on the speed of your internet connection. Therefore, it is recommended that you connect to a Wi-Fi connection to perform a software upgrade.

Cautions and Warning

The battery of the handheld drains quickly when GPS tracking is in use with no external power. Therefore, we recommend users connect an external power supply, e.g. Motorola accessory, Part number CAC400-1000UR (12V in vehicle cigarette lighter charger) when using the GPS tracking service.

Simat Technologies, PCL can also offer solutions for users who wish to secure the handheld to the inside of a vehicle.

When the GPS Tracking software is closed it actually gets minimised and runs as a background task. This is to ensure that web users can track handhelds at all times e.g. for security reasons.

Useful Information

The default setting for the GPS Tracking software to transmit positional information (longitude and latitude) is every 100m at a speed of 30km/h or greater. This setting can be changed via the web (**preference > System > Alarm**) to reduce the amount of data that is transferred between the handheld and web. This is useful for countries with capped limits on internet data usage.

For speeds of less than 30km/h the distance between transmissions is 50m. This is not configurable via the web.

Offline Mode (No Internet Connection)

The GPS Tracking software can function offline for approximately 5/6 hours if no microSD card is inserted into the handheld. As soon as the handheld connects to the internet and comes online the GPS position will be transferred to the Sky Frog server for web users to view under the history tab.

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Proof of Delivery

Pre-Requisites

To use the POD Service users must first activate the GPS Tracking service as described above. To use the Sky Frog POD Service the handheld must be connected to the internet.

Initial Setup Instructions

1. Tap the **POD** icon.
2. You will be presented with the POD login screen. There are two versions of this screen depending on which Sky Frog option you have purchased; Option 1 (with Walkie Talkie/PTT) or Option 2 (without Walkie Talkie/PTT). See Figure 6 below.
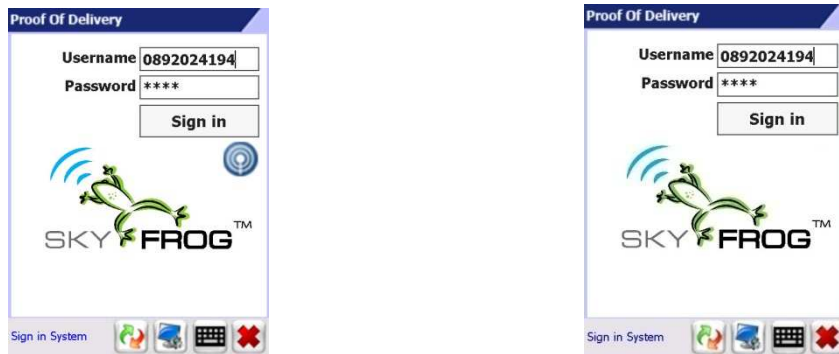

Figure 6: POD Login screen for Sky Frog Option 1 (Left Hand Side) and Sky Frog Option 2 (Right Hand Side)

Note: Handheld users using Sky Frog option 1 must sign into the PTT service before they can sign into the POD service.

A description of the icons shown in the POD login screen is shown in Table 6 below.

Icon	Description
	Shortcut to Walkie Talkie software
	Upgrade Sky Frog POD Software
	POD Configuration which includes an internet connection test, Language settings (Currently Thai, English or Vietnamese) and Sky Frog POD Release Information
	Soft Keyboard
	Close Program

Table 6: Description of icons shown on POD Login Screen

3. Enter the default password **1234** into the '**Password**' box and tap '**Sign in**'. Note: It is recommended that the POD password be changed via the web (**Preference > Handheld**).

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Instructions

After logging into the POD software the user will be presented with the POD Job Summary Screen as shown below in Figure 7.

Figure 7: POD Job Summary Screen with no Jobs

A description of the icons shown in the POD Job Summary Screen is shown in Table 7 below.

Icon	Description
	Start (Day) – This icon should be pressed once at the beginning of the day to receive Jobs for the Day. After this icon has been pressed once it will change to 'End Day'. After all of the Jobs for the Day have been completed the user should press the 'End Day' button. This will either shutdown or reboot the handheld, depending on the web configuration (**Preference > System > Handheld**).
	Opens up Job Details
	Program to log refuelling at petrol/gas stations
	Directions to a Job
	Signal Strength (Note: The image will not change but the numbers will depending on signal strength)
	Battery Level (Note: The image will not change but the numbers will depending on battery level)
	Refresh – This is used to refresh and update Jobs from the web. Note: If the handheld user is idle at the 'POD Job Summary screen' the POD software will automatically refresh and update Job information every 10mins if an internet connection exists
	Close Program
0892024194	Handheld ID/HHID or Phone number used for activation

Table 7: Description of icons shown on POD Job Summary Screen

A high level work flow from starting the day to receiving a job at a pickup point and delivering/completing a job at a delivery point is shown in Figure 8 below.
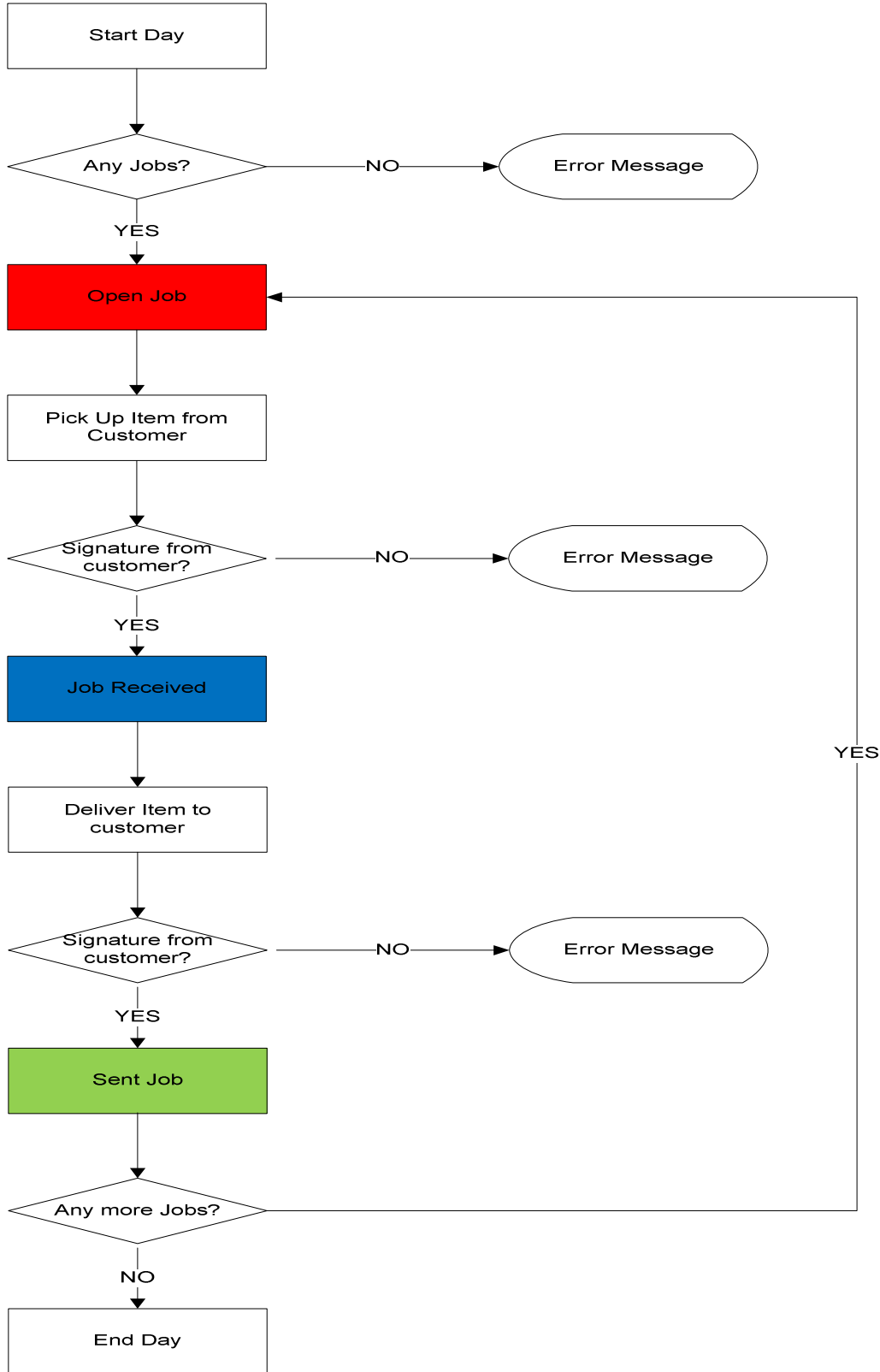
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Figure 8: High Level work flow from start of day to completing jobs to the end of the day

Start of Day

Create Jobs for the day through the web. Jobs can also be imported into the web via Comma-Separated Values (.csv) files. See Appendix A for details of the file format. See http://www.skyfrog.net/download.html for training videos and an example .csv file.

1. Tap **Start**. The Jobs (Open) for the day should be shown in the Job Summary Screen as shown in Figure 9 below. Open Jobs are highlighted in red. Jobs which are of high priority ( ) are shown at the top of the screen. All other jobs are sorted by delivery time starting with the earliest Job at the top. Jobs of high priority can be used to alert handheld users of last minute Job requests.

Figure 9: POD Job Summary Screen showing four Jobs for the day

Directions to Pick Up or Delivery Points/Addresses

1. Tap a Job and then tap **Directions**
2. The directions from your current position to the pick up or delivery point is determined and displayed as shown in Figure 10 below.

Figure 10: Directions to a pick up or delivery address

Note: The handheld must be able to pick up a GPS signal before Directions will be displayed.

Opening Jobs and editing picked up items

1. Tap a Job and then tap **Job**
2. The contact details and details of the item to be picked up will be displayed as shown in Figure 11 below. A description of the icons and tabs are shown in Table 8 below.

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Figure 11: Job Details (Pickup)

Icon/Tabs	Description
	Opens up Signature capture screen (Required)
	Opens up Image capture screen (Optional)
	Opens up a screen to allow scanning of 1D/2D barcodes. Up to 1,000 characters of information can be inserted and stored in a Job
	Saves the Job Information
	Close Screen
Job detail	Summary of Job Details
File attached	This tab displays image files (png, bmp and jpg file types only) that a web user has uploaded to a Job
Remark	This tab displays any special remarks about the Job that a web user has entered e.g. normal, fragile or express delivery

Table 8: Description of icons and tabs shown on POD Job Details Screen

3. Tap a line item and tap **OK**
4. Add any additional details about the item that has been picked up, including the quantity picked up (circled field in Figure 12). If required barcode information (See Appendix B to setup the DataWedge barcode software) can be stored in the '**Ref**' text box.
5. **(Optional) –** If the item has Quality Assurance (QA) enabled the quantity of the item to be picked up must be one i.e. one sample. The handheld user must enter '**1**' in the field circled in Figure 12.
6. Tap **OK.**

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Figure 12: Item Details (Pickup)

7. If QA has been enabled a message box will appear as shown in Figure 13 below. Tap **OK.**

Figure 13: QA Message box (Pickup)

8. A **QA** form (Figure 14) will then appear informing the handheld user to check the quality of the sample picked up. Item conditions to check are created by the web user under **Preference > Document > Quality Assurance.** The handheld user should complete the form if required and tap **OK.**

Figure 14: QA form

9. Tap to capture the customer's signature (Required). After the customers signature has been captured tap **OK**

10. Tap 💾 and **YES** to send the updated Job information to the Sky Frog Cloud Based service. The Job will now turn blue in the POD Job Summary Screen, to indicate that an item has been picked up and the job has been received. Note: Web users can create email alerts to be sent to customers indicating that a job has been received under **Customer > Contact Person.**

Note: The current/last known GPS position of the handheld is also sent with the updated Job information. This is to allow the Administrator of the web to confirm that the pickup location that they have setup is accurate. i.e. the handheld user should ensure that they are at the pickup location when they send the updated Job information to the web.

Opening Received Jobs
1. Tap a Job and then tap **Job**
2. The contact details and delivery address that the items need to be delivered to will be displayed as shown in Figure 15 below.
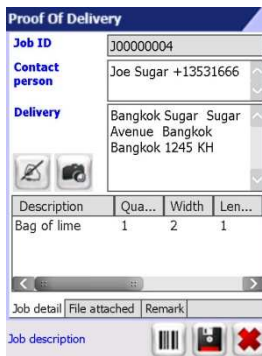

Figure 15: Job Details (Delivery)

3. Tap ✏️ to capture the customer's signature (Required). After the customers signature has been captured tap **OK**

Tap 💾 and **YES** to send the updated Job information to the web. The Job will now turn green in the POD Job Summary Screen, to indicate that a Job has been sent (See Figure 16 below). Again web users can create email alerts to be sent to customers indicating that a job has been completed under **Customer > Contact Person.**

Note: The current/last known GPS position of the handheld is also sent with the updated Job information. This is to allow the Administrator of the web to confirm that the delivery location that they have setup is accurate. i.e. the handheld user should ensure that they are at the delivery location when they send the updated Job information to the web.

Figure 16: POD Job Summary Screen with sent/completed jobs for the day

End Day

Once all of the Jobs for the day have been sent the handheld user must tap **End day**. A message box will inform the user if the handheld will reboot or shutdown. The functionality of the **End day** button is configurable via the web under **Preference > System > Handheld**.

Important: The user must tap **End day** at the end of the day as rebooting or shutting down the handheld clears the 'sent' jobs and clears the memory of the handheld.

Refuelling

1. Tap **Refuel** on the POD Job Summary Screen
2. The Refuelling screen shown below in Figure 17 will be displayed
3. Tap to capture an image of the odometer as evidence for accounting purposes. If a mistake is made tap to delete the image.

Figure 17: Refuelling Screen

4. Record the amount of fuel in litres and the price and tap to save and send the recorded information to the web.

Note: The current/last known GPS position of the handheld is also sent with the refuelling information. This is to allow the Administrator of the web to confirm that the petrol/gas station that they have setup as a POI is accurate i.e. the handheld user should ensure that they are at the petrol/gas station when they send the refuelling information to the web.

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Logging out of POD

There are two methods to log out of POD; user or administrator. To setup logging out as a user no password must be entered in the '**Password to Exit POD'** text box of the web. See **Preference > System > Handheld > 'Password to Exit POD'**

When a handheld user taps on the 'POD login screen' they will be presented with a pop up message as shown in Figure 18 below. When the user taps **Yes** the POD software will close and they will return to the Motorola App Center screen.

Figure 18: Logging out of POD (User mode)

For web Administrators who wish to add additional security to prevent handheld users from logging out of the POD software, an additional screen (See Figure 19 below) is displayed after the handheld user has tapped **Yes.**

Figure 19: Logging out of POD (Administrator mode)

To setup the additional Administrator log out screen web administrators must add an integer password (at least four digits long) in the '**Password to Exit POD'** text box of the web. See **Preference > System > Handheld > 'Password to Exit POD'.** The password must then be entered before a handheld user can logout of the POD software and return to the Motorola App Center screen.

Offline Mode

The POD software has an offline mode where Jobs can be performed even when the handheld cannot connect to the web. The handheld does need to be online to log in. Once logged in if you lose internet

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connection you can perform a job from **open > Received > Sent**. You will get a Pie chart error message as you perform the job but this can be ignored. To log out of the POD software or tap **End day** an internet connection is required i.e. a handheld user needs to be able to connect to the internet at the start and end of a day. Offline mode has been designed for customers who want a POD system but do not have a mobile internet connection. For example they can start the day and download all of the Jobs for the day by connecting to the internet via Wi-Fi in their office. At the end of the day they can update the web with the completed jobs via Wi-Fi.

Walkie Talkie/PTT

Pre-Requisites

Sky Frog users who have chosen option 1 and 3, which includes the GPS Tracking service, must activate the GPS Tracking service first. No password is required to login to the PTT service. This is only required for Sky Frog purchase plan users. Simat Technologies, PCL will setup PTT for lease plan users.

Users who have chosen option 5 which is walkie talkie/PTT only, must first register their mobile phone numbers with us by sending their phone numbers to our 'support' team via our 'Contact Us' page http://www.skyfrog.net/contact_us.html. No password is required to login to the PTT service. Users will then be able to login to the PTT software by following the steps shown below. To use the PTT Service the handheld must be connected to the internet.

Initial Setup Instructions

1. Tap **PTT**
2. The PTT login screen will be shown as in Figure 20 below.

Figure 20: Sky Frog PTT Login Screen

3. Sky Frog users who use option 5 will need to enter their mobile phone numbers in the '**Username'** field. Note: No password is required.
4. Tap '**Sign in**'.

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Instructions

Users will be presented with the Sky Frog PTT Main screen as shown in Figure 21 below.

Figure 21: Default Sky Frog PTT Main Screen with all users offline

When another Sky Frog PTT User in the same company logs in their username changes from '**Offline'** to '**Available'**, as shown in Figure 22 below.

Figure 22: Default Sky Frog PTT Main Screen with one user (0856617751) Available

A description of the icons shown on the PTT Main screen is shown in Table 9 below.

Icon	Description
	Button to select ALL available handheld users/usernames.
	Button to select a particular user/username
	Button to call selected user(s). Tap and hold the button until you hear a 'bleep'. Talk after the 'bleep'. This button must be held for the duration of a call i.e. push, speak and then release
	Similar to although this button locks the call, which means the user does not need to tap and HOLD a call whilst speaking

Table 9: Description of icons shown on PTT Main Screen

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Instructions to change a Sky Frog PTT username

By default the Sky Frog PTT username is set as a user's mobile phone number. To change the username, a web user must change the '**Short Name'** of the handheld under **Preference > Handheld > 'Short Name'.**

A Video training tutorial outlining this can be found at http://www.skyfrog.net/download.html

Cautions and Warning

There can be a delay of up to 1 second when using the PTT function to talk to another user.

There can also be up to 50 people talking in a PTT group/channel. Each company can have up to 5 channels. If a company has 50 people or less, their channel number will be the same as their company number. For companies with more than 50 people i.e. more than 1 channel, Simat Technologies, PCL will assign additional channel numbers to Sky Frog customers. Channel numbers can be added via the web under **Preference > System > Handheld.**

Troubleshooting

Question: The Sky Frog software has crashed.

Answer: Try rebooting the device by pressing '**9 + 1 + Power Button**'

Question: The handheld has stopped working.

Answer: Check that the battery is charged and that the environment around the handheld is between 0°C and 40°C (handheld operating temperature).

Question: The handheld beeps ten times and then stops

Answer: The battery level of the handheld is below the threshold set on the web. The handheld user should recharge the handheld or the web user should reduce the battery level alarm threshold. This can be done by a web user under **Preference > System > Alarm.**

Question: The handheld makes a siren noise

Answer: The GPS hardware on the handheld is behaving erratically or the handheld is moving over the speed limit set on the web. The web user should change the maximum speed limit. This can be done under **Preference > System > Alarm.**

Upgrading Sky Frog POD and GPS Tracking Software

Instructions

The 'GPS Tracking' and 'POD' Software services can be upgraded by tapping, and following the onscreen instructions. The upgrade feature requires the handheld to be connected to the internet. The feature connects to the Sky Frog server and checks for, downloads and installs any new software that is available. Note: The time it takes for you to upgrade your software depends on the speed of your internet connection. Therefore, it is recommended that you connect to a Wi-Fi connection to perform a software upgrade.

Simat Technologies, PCL shall email its customers when new software is available to download and use. Please ensure that you keep us updated with your contact details.

Upgrading Sky Frog PTT Software

The upgrade feature is not available for the PTT Software service; therefore a user must follow the instructions shown below to upgrade the PTT Software.

Simat Technologies, PCL shall email its customers when new software is available to download and use.

Instructions to uninstall old version of Sky Frog PTT
1. Tap **Start > Settings > System > Remove Programs**
2. Scroll down and highlight '**Simat Technologies Sky Frog PTT'**
3. Tap **Remove**
4. At the message prompt tap '**Yes'**
5. Tap **OK**

Note: The Sky Frog 'PTT' software will have been removed but the icon will remain in the AppCenter (user) software.

Instructions to download and install new version of Sky Frog PTT

Pre-Requisites
Download and install 'Windows Mobile Device Center' v6.1 or later from

http://www.microsoft.com/download/

1. Run 'Windows Mobile Device Center'
2. Connect your handheld to your PC via the supplied USB cable
3. Click '**Connect without setting up your device'** on your PC
4. Click **'File Management'** and '**Browse the contents of your device'**
5. Navigate to '**Computer\Pocket_PC\Application\Cabfiles\SkyFrog'** on your device

6. Download '**PTT_vX.X'** from http://www.skyfrog.net/download.html and copy the file to '**Computer\Pocket_PC\Application\Cabfiles\SkyFrog'** on your device
7. Tap **Start > File Explorer**
8. Navigate to '**Application\Cabfiles\SkyFrog'** on your device
9. Tap '**PTT_vX.X'**
10. Choose to install the Sky Frog PTT Software to the '**Device**' and tap **Install**
11. Tap **OK**

Appendix A

.CSV File Format for a Job

Field Name	Description	Date Type	Comments
jobheader	Prefix for a Job	One Character	Assigns a "J" to indicate a Job
jobno	Running Number	Integer	1,2,3,4, etc
jobtype	Job Type e.g. deliver container, return empty container	Integer	1,2,3,4, etc. Number relates to the Job Type description (See web – **Preference > Document > Prefix Job Type**)
poireceive	Customer, pickup or POI address	String	"P000001", "P000002", etc. (See web – **Report > Point of Interest, Customer or Pickup/Delivery Point**)
poidelivery	Customer, delivery or POI address	String	"P000001", "P000002", etc. (See web – **Report > Point of Interest, Customer or Pickup/Delivery Point**)
ref1	Reference for web user	String	e.g. reference number for documents
ref2	Reference for web user	String	e.g. reference number for documents
ref3	Reference for web user	String	e.g. reference number for documents
ref4	Reference for web user	String	e.g. reference number for documents
remark	Remark for web user	String	e.g. special delivery
hhid	Handheld ID (Phone number)	String	e.g. 0856617754 (Maximum 20 characters). If nothing is entered the job will move into the draft folder under the POD tab.
jobstatus	Job Status	Character	B – Blank Job only
jobpriority	Job Priority	Boolean	TRUE – High priority
contactp	Contact phone number of Pickup address	Integer	Contact ID (See web – **Customer > Double click customer > Contact Person**)
contactd	Contact phone number of delivery address	Integer	Contact ID (See web – **Customer > Double click customer > Contact Person**)
ccode	Customer code	String	"C00000001","C00000002", etc (See web **Customer tab**)
pduedate	Pickup due date and time	Date Time	Format dd/mm/yyyy hh:mm e.g. 19/01/2012 13:00
dduedate	Delivery due date and time	Date Time	Format dd/mm/yyyy hh:mm e.g. 19/01/2012 15:00

.CSV File Format for an Item

Field Name	Description	Date Type	Comments
jobitem	Prefix for an item	One Character	Assigns an "I" to indicate an item
jobno	Running Number	Integer	1,2,3,4, etc (Used to link items to a job)
itemno	Running Number	Integer	1,2,3,4, etc
description	Description of item	String	e.g. bags of sugar, box of apples, etc
width	Width of item (m)	Integer	e.g. 0.5
length	Length of item (m)	Integer	e.g. 1
height	Height of item (m)	Integer	e.g. 0.4
weight	Weight of item (kg)	Integer	e.g. 2
qty	Quantity	Integer	e.g. 5
itemcode	Unique code for item	String	e.g. barcode
qa	Quality Assurance	Boolean	"TRUE" if the item is to be sampled for quality assurance or "FALSE" if the item is not to be sampled. Note: If "TRUE" the quantity of the item (qty) must equal one.
qatype	Condition of sample	Integer	1,2,3,4, etc. Number relates to the Quality Assurance ID (See web – **Preference > Document > Quality Assurance**). Note: A qatype can only be defined if qa is TRUE.

Sample Job and Item(s) in one .CSV File

jobheader / jobitem	jobno	jobtype / itemno	poireceive / description	poidelivery / width	ref1 / length	ref2 / height	Ref3 / weight	Ref4 / qty	Remark / itemcode	Hhid / qa	jobstatus / qatype	jobpriority	contactp	contactd	ccode	pduedate	dduedate
J	1	1	P000001	P0000099	See Sugar_description.doc				Special delivery	0856617754	B	TRUE	54	55	C00000002	19/01/2012 13:00	19/01/2012 15:00
I	1	1	Bags of sugar	0.5	1	0.3	2	9	6930358801032	FALSE							
I	1	2	Bag of sugar	0.5	1	0.3	2	1	6930358801032	TRUE	2						
J	2	3	P000002	P0000088	See organic_certification.doc				Normal delivery	0856617888	B	FALSE	43	34	C00000099	19/01/2012 13:30	19/01/2012 15:30
I	2	1	Box of apples	0.4	0.8	0.2	1	5	6930358801099	FALSE							
I	2	2	Box of carrots	0.2	0.8	0.4	3	5	6930358801097	FALSE							

Appendix B

DataWedge Bar code scanning software

DataWedge provides a convenient mechanism for non-scanning aware applications to receive data from embedded or connected data capture devices. It allows the user to capture data into any application that accepts keyboard input. It supports scanning of 1D and 2D bar codes. It provides user with text/hex data formatting and prefix/suffix facilities.

To activate and use Datawedge follow the steps below:

1. Tap **DataWedge** > **Running** > **OK** on Motorola App Center

2. Press and hold on the handheld keyboard. The camera screen should pop up with a horizontal red line

3. Aim the red line at a 1D/2D barcode. The information from the barcode should automatically be entered into any text box

Appendix C

Glossary

APN – Access Point Name

GPS – Global Positioning System

GSM – Global System for Mobile Communications

POD – Proof of Delivery

POI – Point of Interest

PTT – Push to Talk

QA – Quality Assurance

UMTS – Universal Mobile Telecommunications System