



WIRELESS GROUP MESSAGING TECHNOLOGIES

SUPPLEMENTAL INFORMATION

A Patent Portfolio Acquisition Opportunity

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WIRELESS GROUP MESSAGING TECHNOLOGIES

A PATENT PORTFOLIO ACQUISITION OPPORTUNITY

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To further demonstrate the value of the Critical Response Systems Portfolio, this document provides publicly available information showing applicable industry usage on wireless group messaging and/or alerting technologies as they relate to the Portfolio. More specifically, research on publicly available materials suggests that some level of current use may exist within the mobile and web-based emergency service provider software market. This is an emerging market where several Internet and cloud-based software companies provide services for emergency responders such as fire, medical, police, governmental agencies, and more. A few exemplary companies and an overview of their related products are provided below.

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 - FIREQ RVS
 - GOGREEN MESSAGING
- 4. ONE CALL NOW INC.**
 - ONE CALL NOW EMERGENCY NOTIFICATION SERVICES

Several other companies offer mobile messaging apps and/or group alerting apps and products that are very similar in nature to the Technology. To further assist in your review of the patented technologies, a sampling of current leaders and products in the mobile group messaging market are provided below:



WIRELESS GROUP MESSAGING TECHNOLOGIES

A PATENT PORTFOLIO ACQUISITION OPPORTUNITY

- GROUPME (MICROSOFT)
- APPLE IMESSAGE
- FACEBOOK MESSENGER
- GOOGLE MESSENGER (PREVIOUSLY "GOOGLE HUDDLE")
- GOOGLE+ HANGOUTS
- MESSAGEME
- WECHAT (TENCENT)
- TANGO
- KIK MESSENGER
- WHATSAPP MESSENGER (FACEBOOK)

SECTION 1

1. EMERGENCY SERVICES MARKETING CORPORATION (DEWITT, NEW YORK)

Product: IamResponding.com

IamResponding.com is a cloud-based emergency response management system offered by Emergency Services Marketing Corporation. The service communicates by both internet enabled devices, smartphones, and regular cell phones over a wireless network to allow emergency responders the ability to view who has responded to an emergency call, along with interaction to group members. For the purpose of this analysis, we will focus on the mobile wireless (smartphone) interaction with department or group members.

U.S. Patent No. 8,588,207 – Claim 1 (claim language shown in orange)

1. A method of alerting a group of recipients over a wireless network and providing acknowledged group messaging, each recipient comprising at least one mobile device capable of transmitting and receiving data, the method comprising the steps of:



Source: <http://www.iamresponding.com/v3/Pages/Default.aspx#>

IamResponding is a cloud based system that provides for a method of alerting a group of recipients over their mobile phones (wireless network) and providing group acknowledged messaging. As shown below, each recipient mobile device (smartphone) is capable of receiving and transmitting data.

CALL (800) 123-4567	TO RESPOND	RESPONSE CODES	HELP
On Duty	Position	On Duty For	On Duty At
Chris Doe	Chief	Fire	Home
Brad Doe	Asst. Chief	Unavail.	Out of Town
Jane Doe	EMT-P	EMS	Station 1
John Doe	Exterior FF	Fire	Station 1
James Doe	Interior FF	Fire	Station 1
Sam Doe	FF/EMT-P	Fire/EMS	Station 2
Gary Doe	FF/Driver	Fire	Work
Now Responding	Position	Responding To	Called At
Steve Smith	Interior FF	Station 1	09:23
Bob Andrews	Interior FF	Station 1	09:24
Eric Johnson	Asst. Chief	Scene	09:24
Charlie Daniels	Driver	Station 1	09:24
Jim Smith	EMT	Stand-By @ Station	09:25
Joe Ryan	Interior FF	Station/Delayed	09:25

Source: http://www.chesterfirstaid.org/images/IAR_SampleScreen.jpg

storing data relating to recipients, groups and group members, in a memory device, the data comprising a recipient identifier for each of a plurality of recipients, one or more group identifiers corresponding to each of respective groups of recipients, the groups each comprising selected ones of the plurality of recipients, and group membership data comprising the recipient identifiers of the selected recipients corresponding to each of the group identifiers;

The IamResponding.com server stores data relating to recipients, groups, and group members in a memory device within its cloud based servers. Group membership data of the recipients that belong to a fire station group named “Smithville Fire & Rescue” is shown below, with the group identifier being the unique call-in number assigned 800-123-4567 in this case.

Group Identifier

CALL (800) 123-4567 **TO RESPOND** **RESPONSE CODES** **SIGN OUT**

SMITHVILLE FIRE & EMS 9:25:44 Friday, March 19, 2010

On Duty

Position	On Duty For	On Duty At	Until
Chief	Fire	Home	14:30 Mar 19
Asst. Chief	Unavail.	Out of Town	12:00 Mar 23
EMT-P	EMS	Station 1	18:30 Mar 19
Exterior FF	Fire	Station 1	16:30 Mar 19
Interior FF	Fire	Station 1	18:30 Mar 19
FF/EMT-P	Fire/EMS	Station 2	20:00 Mar 19
FF/Driver	Fire	Work	16:30 Mar 19

Now Responding

Position	Responding To	Called At	ETA Before
Interior FF	Station 1	09:23	09:28
Interior FF	Station 1	09:24	09:29
Asst. Chief	Scene	09:24	09:29
Driver	Station 1	09:24	09:29
EMT	Stand-By @ Station	09:25	09:30
Interior FF	Station/Delayed	09:25	09:30

Upcoming Events

- Pancake Breakfast 03/20/2010 at 7:00 AM
- Drill at Station 1 03/23/2010 at 7:00 PM
- Monthly Meeting 03/24/2010 at 6:00 PM
- Fundraiser at Village Center 03/27/2010 at 12:00 PM
- CPR Class 03/29/2010 at 12:00 PM

New system enhancements just released!
More exciting enhancements coming soon!

CAR 1 CAR 2 E-1 E-22 LDR 1 LDR 2 TP-1 AMB 1 AMB 2 BOAT

*** FREE 2-month trial!!! * FREE 2-month trial!!! * FREE 2-month trial!!! * FREE 2-month trial!!! * FREE 2-month trial!!! ***

Source: http://www.chesterfirstaid.org/images/IAR_SampleScreen.jpg

Recipient Identifiers

In addition, at log-in on each member's smartphone, as shown below in the next picture, each member must log-in with his or her agency name. The agency name is associated with the unique call-in number on IamResponding server's "group identifier" and member user name ("recipient identifier") in this example. Multiple fire departments and emergency responders are also stored in the system.

IamResponding Smartphone Member Log-in

Group identifier

iamresponding.com
Emergency Responder Reply System™

http://www.iamresponding.com/ - :: Emergency Responder...

EMERGENCY RESPONDER REPLY SYSTEM
LOGIN AREA

AGENCY NAME CFD

MEMBER USER NAME Ethan Jonah

PASSWORD

☐ REMEMBER ME FOR THIS SESSION

LOGIN FORGOT YOUR PASSWORD

By logging into the ERRS, you hereby agree that you have reviewed,

Recipient identifier

“Your agency has been assigned a unique call-in number, which has been provided to your system administrator, and which is also displayed on your agency’s home page once you have logged in to this system. That is the telephone number that all members of your agency will need to call in order to report that they are responding to an event.”

Source: <http://www.iamresponding.com/Pages/Help.aspx>

providing the mobile device corresponding to each of the plurality of recipients with at least a subset of the data stored in the memory device, the subset of the data being stored in the mobile device and comprising its corresponding recipient identifier and the group identifier of each group to which that recipient belongs as a group member;

IamResponding provides each member of the department (plurality of recipients) that has an IamResponding “IAR” smartphone with a subset of data stored in the memory device. In this scenario, the subset of data is each members’ recipient identifier (subscriber name) and group identifier, the unique call-in phone number for each department (group), and the unique number that relates to “Smithville Fire & EMS” 800-123-4567 in our example.

This is also seen in IAR’s mobile Android device manual. Each member and status is displayed (although not shown in the screen for some reason) and a unique number to call 866-890-8725 (group identifier) is provided to the mobile device which the recipient belongs as a member to respond.



This page displays who is responding, where and when.
You can also indicate your response either by tapping the telephone number to speed-dial your assigned number, or by using the “Respond Now” button to indicate your response status directly through the app.

Unlike the desk-top web page, you will have to manually refresh this screen to update the list of responders.



Source: IamResponding, Android App Quick Start Guide, page #6



Source: <http://www.iamresponding.com/v3/Pages/Default.aspx#>

wirelessly transmitting a group message to the mobile device corresponding to each recipient in a selected group of recipients, each of the mobile devices being configured to receive the group message and send a response when the group message is determined to be for a group to which that recipient belongs as a group member;

The IAR system can wirelessly transmit a group message to each mobile device, including department dispatches where each of the recipient's mobile devices is configured to receive the messages:



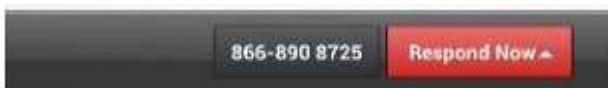
Source: <http://www.iamresponding.com/v3/Pages/Demonstration.aspx>

Step 6: In order to receive push notifications to your phone of dispatch messages (if such messages are currently processed through your department's lamResponding system), you need to go into your member profile (on-line via a desktop computer; not via the app), and make 3 entries in the "Dispatch Information" section of your member profile:

1. Select where else you want your dispatch messages sent. You must choose at least one other destination, in addition to push notifications to your app.
2. Click "Yes" to have push notifications sent to your app.
3. Select the type(s) of dispatches you want pushed to your app.



Source: lamResponding, Android App Quick Start Guide, page #5



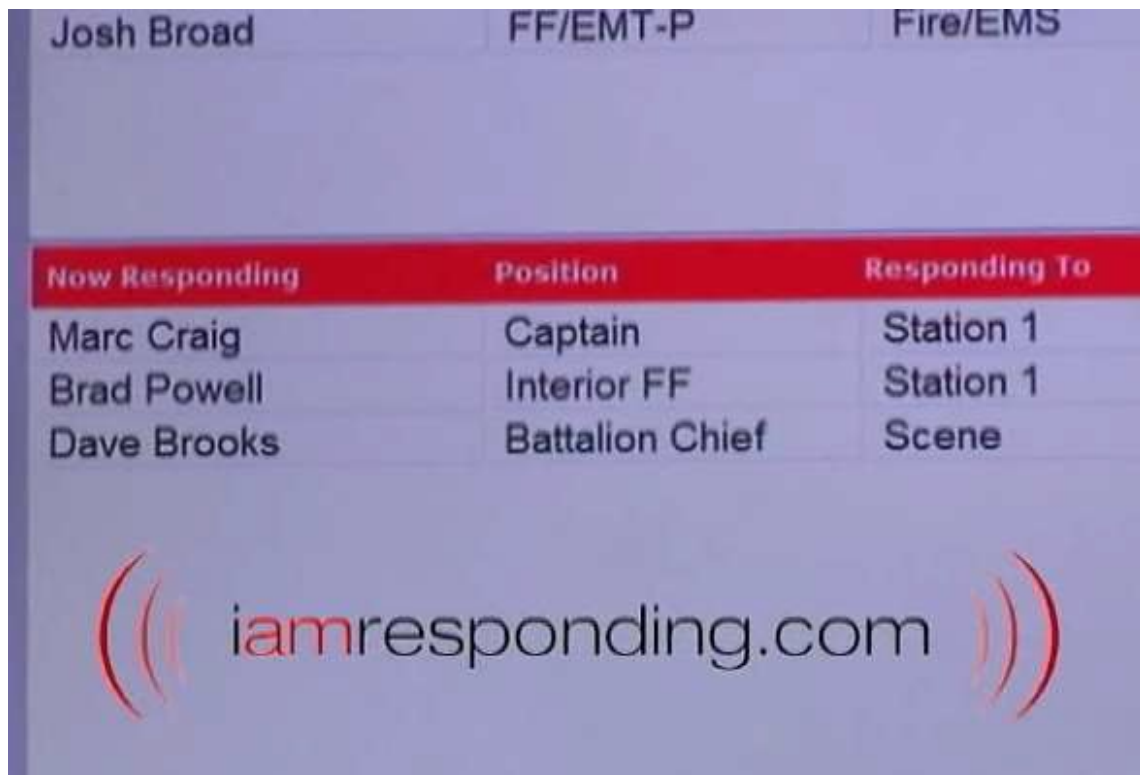
Source: lamResponding, Android App Quick Start Guide, page #6

However, the recipient's mobile device is not configured to send a response when the group message is determined to be for a group to which that recipient belongs as a group member. The recipient instead calls the unique number "866-890-8725" in this case, or hits "respond now" button on his or her mobile smartphone, as shown above.

monitoring for responses to the group message from the group members; and

IamResponding does monitor for responses from the group members - from dispatches or messages sent - as seen in the following screenshot.

IamResponding example screenshot



The screenshot displays a mobile application interface for IamResponding.com. At the top, it shows the name 'Josh Broad', the role 'FF/EMT-P', and the unit 'Fire/EMS'. Below this is a table with three columns: 'Now Responding', 'Position', and 'Responding To'. The table lists three individuals: Marc Craig (Captain, Station 1), Brad Powell (Interior FF, Station 1), and Dave Brooks (Battalion Chief, Scene). At the bottom of the screen is the IamResponding.com logo, which consists of two red curved lines flanking the text 'iamresponding.com'.

Now Responding	Position	Responding To
Marc Craig	Captain	Station 1
Brad Powell	Interior FF	Station 1
Dave Brooks	Battalion Chief	Scene

Source: <http://www.iamresponding.com/v3/Pages/Demonstration.aspx>

storing acknowledgement data in the memory device for each of the group members, the acknowledgement data comprising a listing of each of the group members and an indication of response for each of the group members, the indication of response comprising at least one of an indication of no response when that group member has not yet responded to the group message, and an indication of response when a response sent by the mobile device of that group member has been received.

As shown in the screenshot above, IamResponding on its cloud servers does store acknowledgement of data in a memory device for each of the group members and an indication of response. However, IamResponding may or may not store an indication of no response if the member has not yet responded to the group message in a memory device. However, it should be noted that IamResponding does have a control module (e.g. – “a dispatch center module”).

SECTION 2

2. ZIPIT WIRELESS INC. (GREENVILLE, SOUTH CAROLINA)

Product: Zipit Critical Messaging Platform

Zipit Wireless is a cloud-based wireless and internet messaging platform for individuals and enterprises with smartphones, Zipit wireless messaging devices, pagers, and Internet connected devices. The Zipit Wireless Paging device with the Zipit Enterprise Messaging Solution and Zipit Remote Administration Portal (RAP) provides two-way paging nationwide via the Verizon wireless backbone. This is very similar to Critical Response's SparkGAP paging system, which forms the basis of the '207 patent and other two family members.

U.S. Patent No. 8,588,207 – Claim 1 (claim language shown in orange)

1. A method of alerting a group of recipients over a wireless network and providing acknowledged group messaging, each recipient comprising at least one mobile device capable of transmitting and receiving data, the method comprising the steps of:

As shown in the Zipit product and website illustrations below, the Zipit messaging solution provides for a method of alerting a group of recipients over a wireless network (Verizon 3G network). Each recipient can comprise one mobile device (Zipit Messaging Device) with the capability of both receiving and transmitting data.

Zipit RAP Quick Start User Guide

Zipit® Enterprise Critical Messaging Solution™

Zipit RAP™ Quick Start User Guide

Getting Started

Ver02.18.2013a

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550 S. MAIN ST | SUITE 525 | GREENVILLE, SC 29601 | WWW.ZIPITWIRELESS.COM | P 864.451.5500 | F 864.451.5505

Initial Configuration for Administrators

Zipit initially configures the RAP, for each customer, with three pre-defined roles that can be assigned to administrators (aka operators, dispatchers, and true administrators):

Super Administrator - An administrator with this right can manage all administration functions, including imports, address book creation, group creation, user settings, sending page alerts, software updates, Wi-Fi access points and can access and run reports.

Paging Admin - An administrator with this role has access to the messaging interface and can send page

alerts to all users or groups of users. This administrator can also create /edit existing paging groups that are visible to all other administrators, but cannot perform any other tasks.

Device Paging – This administrator role is reserved for users who have been granted the ability to initiate page alerts from their devices (currently reserved for Zipit Confirm Users only).

Source: <http://www.zipitwireless.com/wp-content/themes/zipit/lib/download.php?file=2013/03/Zipit-RAP-Quick-Start-User-Guide.pdf>

Zipit Critical Messaging Platform

Overview

“Zipit worked for over three years to create a solution for enterprises that would solve their basic communications problems faced during circumstances **requiring critical messaging capability.** **The Zipit Enterprise Critical Messaging Solution™ is purposely designed to address all issues that hamper critical message delivery,** including uncertainty, connectivity, speed, and accountability.

Working with leading hospitals across the country, Zipit defined, developed, validated and then deployed a solution that not only is already in everyday use by over 250 hospitals, hotels, EMS providers, and other organizations, but is undergoing extensive trials by hundreds more that are eager to solve their critical messaging problems with a solution that meets 100% of the HIPAA Compliant Mobile Communications Standard.

Prior to the deployment of Zipit’s solution, organizations were forced to deal with coverage issues caused by: building infrastructure, 1-way “send and pray” paging based on decaying 40+ year old technology, the inability to securely communicate in real time, lack of support for traditional workflow methodology and no ability to hold people accountable.

The Zipit Enterprise Critical Messaging Solution solves all of these problems, and provides a solid foundation for the future, using patented, best-in-class software, device, and cloud-based technologies that will grow with the needs of the enterprise.”

Zipit® Now™ Nationwide 2-way Wireless Messaging Device w/Quarterly service plan selected

MFR#: zipitnowquar

Manufacturer: Zipit Wireless



The Zipit® Now™, the Ultimate Wireless Messaging Device with a Quarterly service plan selected is the newest in wireless messaging becoming our most asked for product offering in our 2013 lineup. It's the Ultimate PagersDirect wireless messaging device as it covers all of the bases in messaging including:

- Nationwide Numeric Paging includes local pager phone number
- **2-Way Paging Nationwide (message back and forth between Zipit® Now™ devices as well as cellphones via text messaging)**
- Unlimited Text Messaging Nationwide
- Authorized Email Messaging (configurable upon request)
- Assured Messaging (never miss a page)
- Complete accountability with HIPAA Compliance web based module available
- **Optional Smartphone App (Zipit® Confirm™) for Android or iPhone allows you to send and receive messages via your smartphone**
- Quick (much faster sending and receiving of messages compared to old school 2-way pagers)
- Brand New with rechargeable battery and AC adapter/charger
- **With the included Zipit® Rap™ (Remote Administration Portal), you can log on from any internet connected computer to view all messages (text, emails and pages) sent to and from your Zipit® Now™ Device(s) as well as to and from the Zipit® Confirm™ smartphone app.**

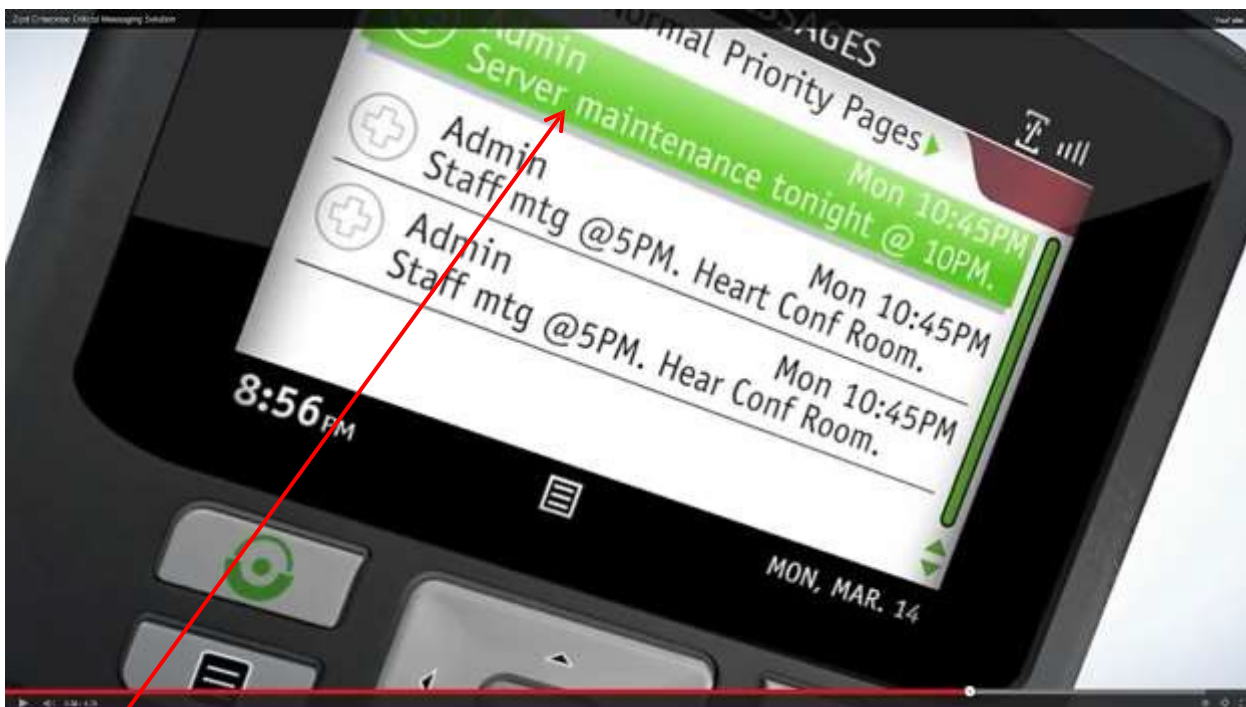
Imagine being able to run reports of when messages were sent, received and read in real time! Zipit® Rap™ takes the guesswork out of paging!

[Click Here for complete technical specifications of the Zipit® Now™](#)

The Zipit® Now™ device is powered by the nation's largest 3G data network so coverage is better than most of today's paging networks. The Zipit Now also works on wi-fi networks and will switch automatically between 3G and Wi-Fi, depending on network availability within your location.

The Zipit® Now™ device is about the size of two Motorola Advisor Elite Alpha Numeric Pagers stacked on top of each other. It's bigger by design. When using this device, you won't need to go fumbling around little buttons and mistakenly enter wrong characters. The keyboard is designed for ease of use for quick and efficient typed messages and numbers during urgent and critical situations for your personal, business, and/or healthcare messaging requirements.

Source: <http://www.pagersdirect.net/zipit-now-nationwide-2way-wireless-messaging-device-wquarterly-service-plan-selected-p-384.html#.UwhNBtiYaUk>



Example of the system administrator sending an alert message to a group of Zipit users, utilizing a Zipit messaging device.

storing data relating to recipients, groups and group members, in a memory device, the data comprising a recipient identifier for each of a plurality of recipients, one or more group identifiers corresponding to each of respective groups of recipients, the groups each comprising selected ones of the plurality of recipients, and group membership data comprising the recipient identifiers of the selected recipients corresponding to each of the group identifiers;

Zipit Wireless Enterprise Messaging solution is a cloud-based service where the system administrator can store data relating to recipients, groups, and group members as illustrated below. In addition, data information resides on the Zipit servers comprising a recipient identifier (employee name, or employee ID) for a member of any organization, group identifiers for each recipient because the system administrators are able to create groups within their organization and send alert messages to these groups; group membership must be defined for this to occur.



Source: <http://www.zipitwireless.com/solutions/>

As an example, shown below are the results of a message sent by a Zipit system administrator. Since the administrator can create and send an alert to all users, or to a select group of users within a company and can also send a department address book of departments or group members, the Zipit messaging system records responses of all members within these groups by member/user name (recipient identifier in this case). The Zipit Messaging System and RAP stores a group identifier for all the recipient identifiers (employee name / user names) and associated group identifiers (department or group name) on the group address book.

Recipient / Name	Processed	Delivered	Responded	Status
Colleen Patterson	00:00:00			→
Frank Greer	00:00:00	00:00:03	00:00:18	✓
Ralph Heredia	00:00:00	00:00:03	00:00:14	✓
Trent Norris	00:00:00	00:00:03	00:00:30	✓

Source: Zipit ECMS – Zipit RAP V3 Brochure, page #1, August 2012

providing the mobile device corresponding to each of the plurality of recipients with at least a subset of the data stored in the memory device, the subset of the data being stored in the mobile device and comprising its corresponding recipient identifier and the group identifier of each group to which that recipient belongs as a group member;

The Zipit system administrator can define a user sub-group, create and send both contact lists and a sub-group list of contacts to a defined group of users with Zipit Mobile Wireless Messaging, which meets the criteria of sending a subset of data in the memory device (Zipit cloud server running the Zipit Wireless Enterprise Messaging Solution and RAP).

In our example, the system administrator creates a contact list with Zipit (user names – recipient identifiers) and a department address book, naming the department address book (group identifier) and then sends it to each department member issued a Zipit Wireless Messaging Device as per the group recipients; hence meeting the claim elements - each mobile device corresponding to each plurality of recipients is provided with a subset of the data stored in the Zipit Enterprise Messaging server which comprises a memory device. The address book comprises each recipient identifier in the group (user name) and the group identifier (department address book name) stored in each mobile user's address book and local memory under the department name in their contact list.

Zipit® Enterprise Critical Messaging Solution™

Zipit RAP™ Quick Start User Guide

Users Main Function

Ver02.18.2013a

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550 S. MAIN ST | SUITE 525 | GREENVILLE, SC 29601 | WWW.ZIPITWIRELESS.COM | P 864.451.5500 | F 864.451.5505

Address Books

An address book is a collection of users that can easily be downloaded to a user's device or mobile application in one step – simplifying the process of populating each user's Contact List.

Typically, an address book is made up of members that share some common trait. For example, if you have multiple departments and it is common for end users to want to communicate with other members in their department, you may want to setup an address book for each department. As soon as an address book is imported or created, end users that have a Zipit Now device or a Zipit Confirm mobile application can search for and add the address book to their Contact List or it can be pushed down to specific users by their administrator. You can also use the "Address Bulk Edit" button on the main User listing screen to assign or unassign an address to all users at one time. If changes are made to an address book (using the Details button), the changes will automatically be pushed down to all end users that have that address book in their Contact List.

Follow these steps to create an address book from within the RAP:

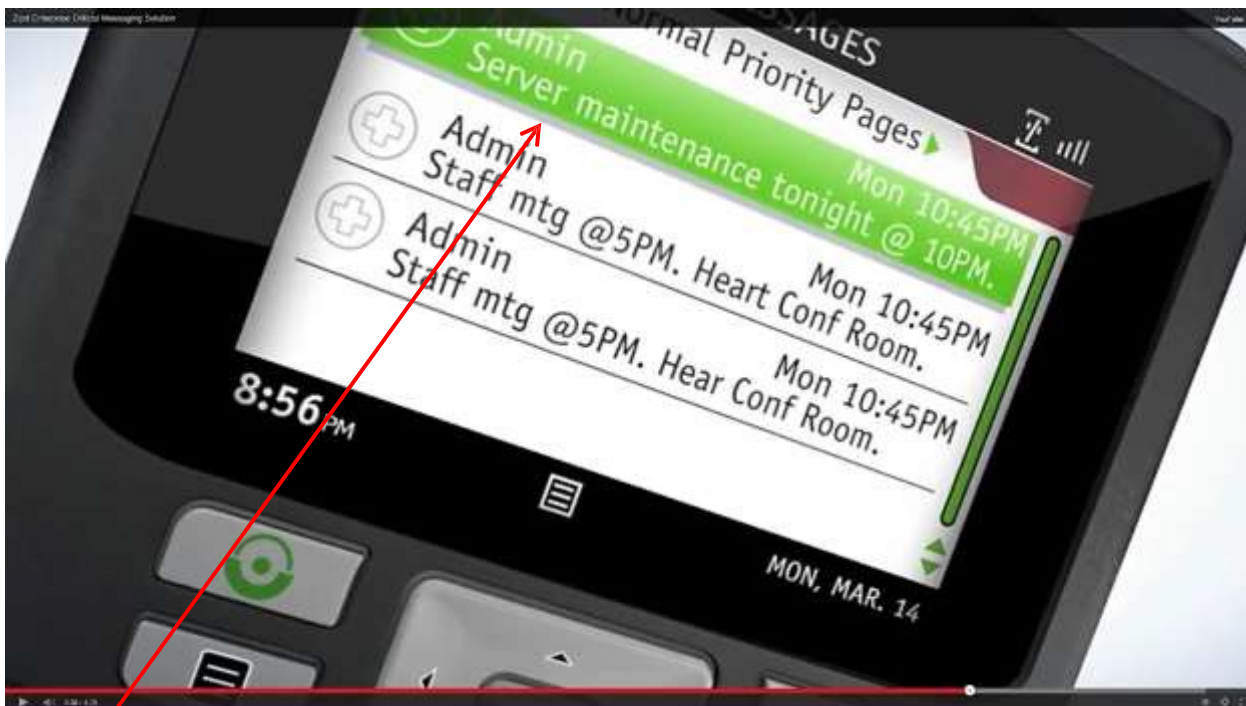
1. Click the Add button in the upper left hand corner. Enter a name and description if desired. Click the Save Changes button to the left of the new address book to save the address book.
2. To assign users to this address book, click the Details button next to the address book you just created. Select the "Add / Remove Members" button to display a list of all users to choose from. Place a check in each

check box to select desired address book members or place a check in the top left check box to add all users (up to 250 users) to your address book. Apply filters to help locate desired users.

Source: <http://www.zipitwireless.com/wp-content/themes/zipit/lib/download.php?file=2013/03/Zipit-RAP-Quick-Start-User-Guide.pdf>

wirelessly transmitting a group message to the mobile device corresponding to each recipient in a selected group of recipients, each of the mobile devices being configured to receive the group message and send a response when the group message is determined to be for a group to which that recipient belongs as a group member;

Here the Zipit administrator can wirelessly transmit a group message to each recipient of a selected group, say the department group just created or a larger group of an upcoming system maintenance alert tonight, for example. The administrator of the Zipit system selects priority and other features of the message, plus each mobile Zipit wireless devices sends a response back (shown in the next table).



Shown above is an example of the system administrator sending an alert message to a group of Zipit users.

New Message

Message Detail

Priority Priority 1 – Mayday Alert (Blocks user's screen, forces an audible alert.)

Expiration 10 Min.

Response Options OK

Message Critical Messaging – Redefined

	Processed	Delivered	Responded	Status
Recipient / Name	00:00:00			
Colleen Patterson	00:00:00	00:00:03	00:00:18	→
Frank Greer	00:00:00	00:00:03	00:00:14	✓
Ralph Heredia	00:00:00	00:00:03	00:00:14	✓
Brent Norris	00:00:00	00:00:03	00:00:30	✓

Close

Source: Zipit ECMS – Zipit RAP V3 Brochure, page #1, August 2012

Each group member device sends back a confirmation response to the administrator. Although this example is a little shaky if the response being sent is based on the device being a member of the designated group, it appears a response is sent as soon as the message has been delivered regardless if the selected receiving device is actually a member of the designated group.

monitoring for responses to the group message from the group members; and

The Zipit Enterprise Message Solution suite and RAP does monitor for responses from group members for the group message sent as shown below.

Recipient / Name	Processed	Delivered	Responded	Status
Colleen Patterson	00:00:00			→
Frank Greer	00:00:00	00:00:03	00:00:18	✓
Ralph Heredia	00:00:00	00:00:03	00:00:14	✓
Trent Norris	00:00:00	00:00:03	00:00:30	✓

Source: Zipit ECMS – Zipit RAP V3 Brochure, page #1, August 2012

storing acknowledgement data in the memory device for each of the group members, the acknowledgement data comprising a listing of each of the group members and an indication of response for each of the group members, the indication of response comprising at least one of an indication of no response when that group member has not yet responded to the group message, and an indication of response when a response sent by the mobile device of that group member has been received.

Zipit Enterprise Message Solution suite and the RAP meet the last claim element in Claim 1: Zipit Enterprise stores acknowledgement data in the memory device, because you can retrieve it from the message sent. In addition, the software stores data for each group member where the acknowledgement includes a listing of each group member (shown below), and an indication of response when no response has been received to the group message as seen in the table for Colleen Patterson, where a blue arrow is shown next to status signifying no response has been received, as well as those users who have sent back a response, signified by the three green check marks in the far right column.

New Message [X]

Message Detail

Priority Priority 1 - Mayday Alert (Blocks user's screen, forces an audible alert.)

Expiration 10 Min.

Response Options OK

Message Critical Messaging - Redefined

	Processed	Delivered		Responded	
Recipient / Name	00:00:00		Offline		Status
Colleen Patterson	00:00:00				→
Frank Greer	00:00:00	00:00:03		00:00:18	✓
Ralph Heredia	00:00:00	00:00:03		00:00:14	✓
Trent Norris	00:00:00	00:00:03		00:00:30	✓

Close

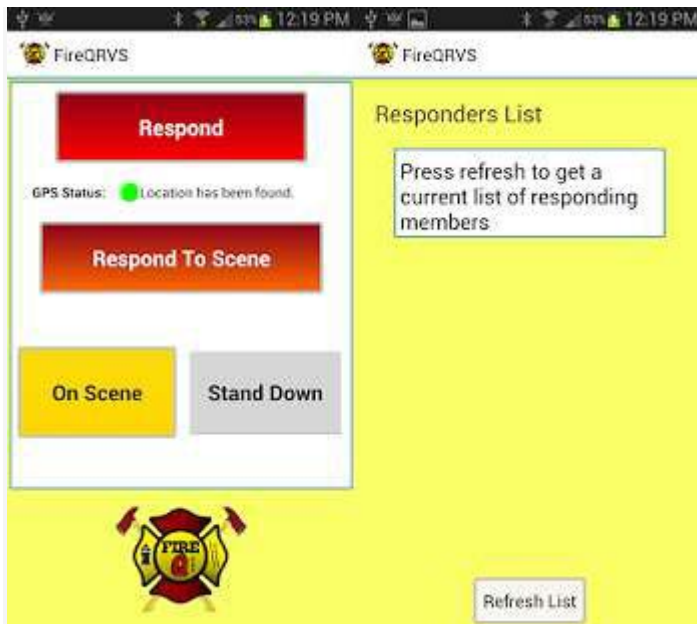
Source: Zipit ECMS – Zipit RAP V3 Brochure, page #1, August 2012

SECTION 3

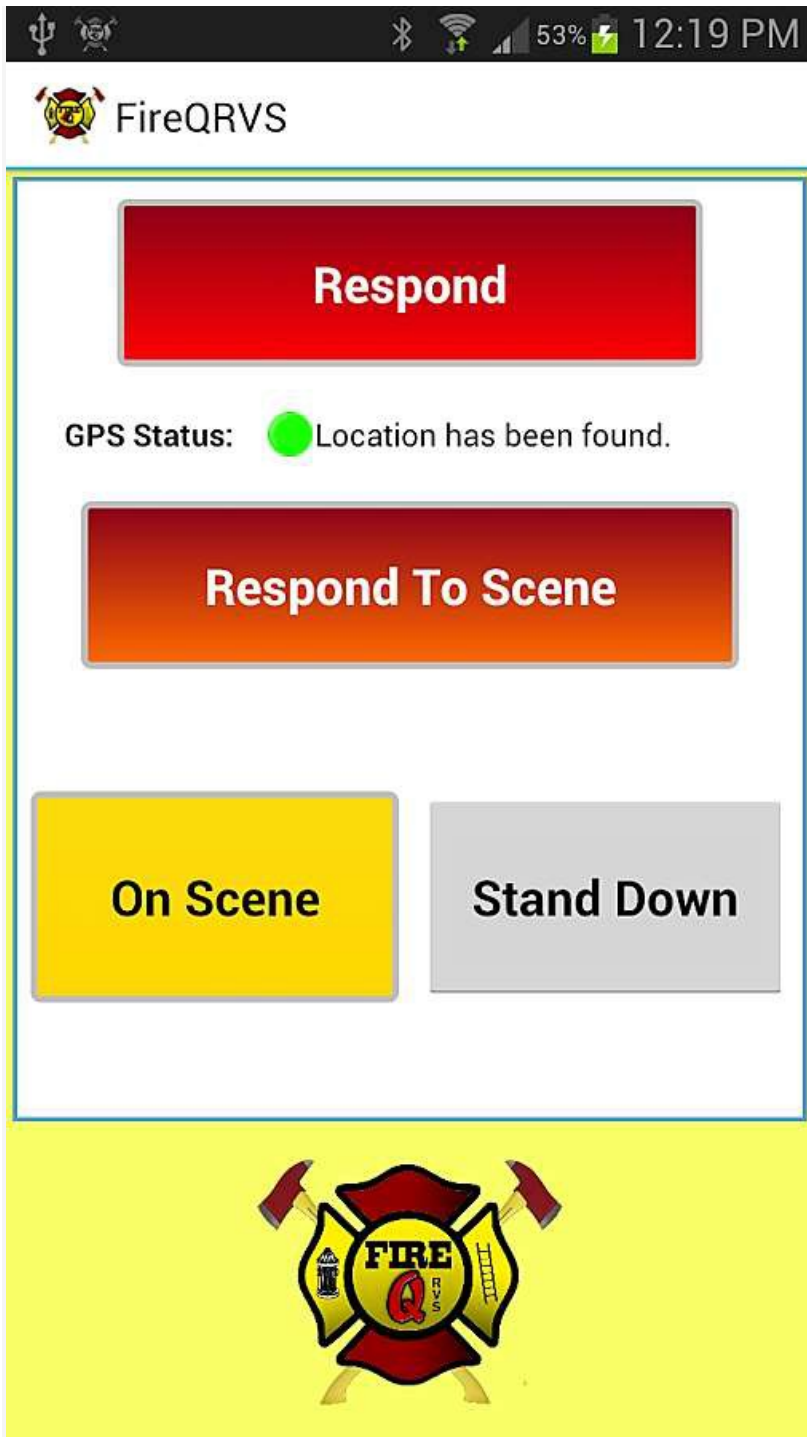
3. THUH COMPANY (BOLINGBROOK, ILLINOIS)

Product: FireQ RVS

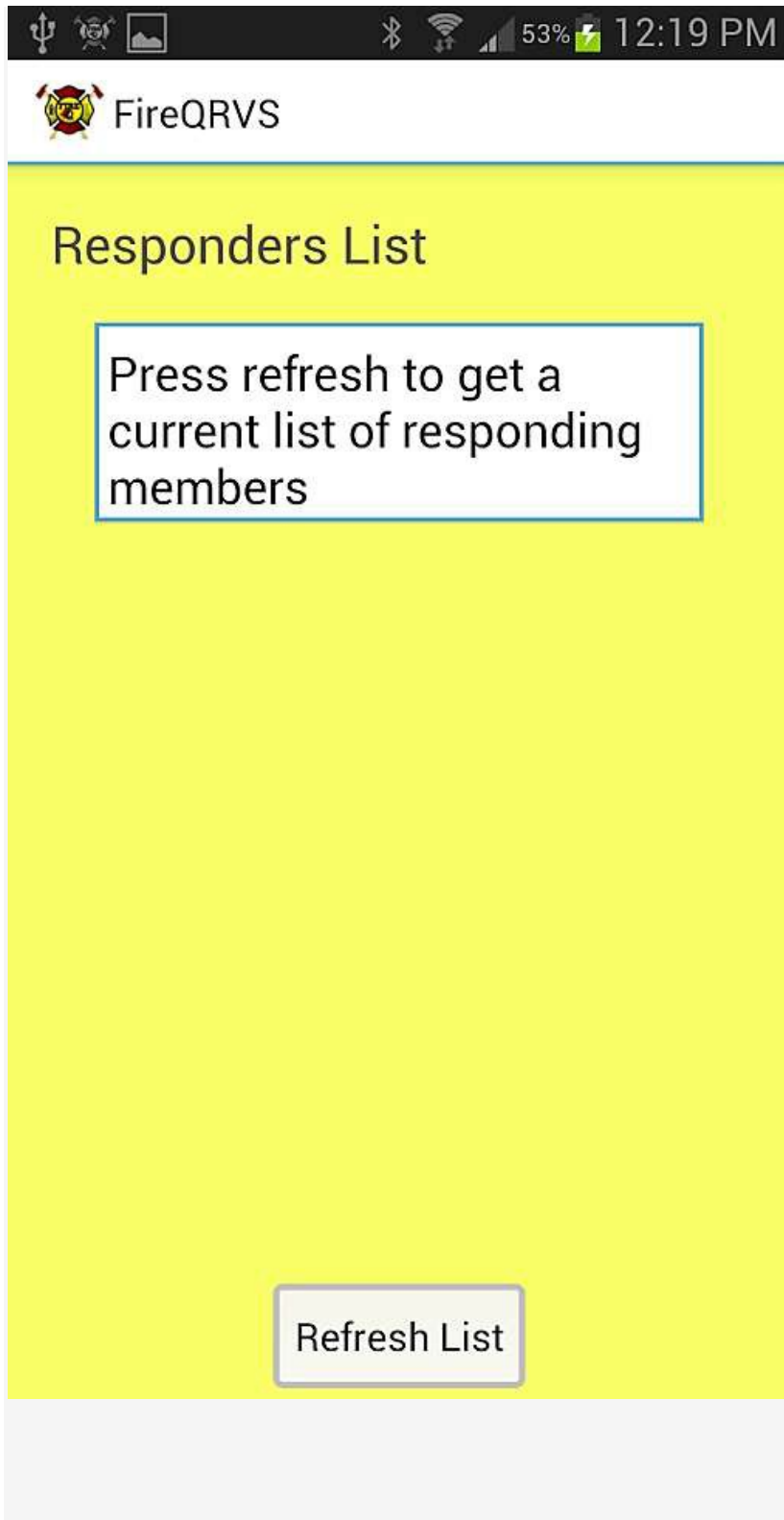
FireQ RVS is a communication and service mobile app provided by the Thuh Company. The emergency group messaging FireQ app is designed to connect volunteer firefighters via their mobile phones. For each identified group, the messaging app provides for a list of responders to an event, group messages between members and the fire station, as well as group acknowledgement status.



Source: <https://play.google.com/store/apps/details?id=com.BretonSmarTek.FireQueue>



Source: <https://play.google.com/store/apps/details?id=com.bretonsmartek.FireQueue>



Description

The Fire-Q RVS app is one part of a two-part firefighter response verification and fire department management system. It has been created by professional firefighters to provide critical information to first responders during and after an incident. Fire- QRVS is an innovative solution that meets the specific needs of the volunteer fire service.

The Fire-QRVS system allows firefighters to use their smartphones to access real-time information about who is responding to an incident as well as their estimated time of arrival. The app provides additional functionality when the first member arrives on scene. The "On Scene" feature can be used to send a Google Maps link with the exact location of the incident to responding members.

Two additional quick communication features in the app ensure firefighters receive accurate and relevant information quickly. The console at the fire hall can send messages or call any members in the Fire- QRVS system and the app allows for quick text messaging back to the console. Additionally, a "Stand Down" feature communicates information regarding incident containment or a false alarm.

Firefighters continually risk their lives to protect the communities they serve. The Fire-QRVS system provides information that keeps firefighters safe and ensures that resources are deployed with maximum efficiency.

Source: <https://play.google.com/store/apps/details?id=com.BretonSmarTek.FireQueue>

Product: GoGreen Messaging

Thuh Company offers another social and group messaging product named GoGreen Messaging - targeted for the educational market. GoGreen allows teachers and educators to communicate with students, parents, other teachers, and other administrators in a school district or designated group. This product illustrates the value of the patent outside of the emergency services provider market.

GoGreen allows a text message to be sent to a cell phone for individual groups. For example, "Grade 10 – Basketball Team", which could be considered the group identifier, and student names or phone numbers, which could be considered the recipient identifiers.

http://www.thuhcompany.com/ggm/support/VideoPlayer.php?V=7&C=3

Amazon.com - Online Sh... eBay Daily Deal See What's Hot 1/1/2... WildTangent Games f... Monthly Weather Forec

Find: dispatch Previous Next Options

GoGreenMessaging

Web Portal Sign Up

New Message / Scheduling Message

Send Si
Text M

Groups

Group	Description	Members
Grade 10 Basketball Team		7

Sort By
☐ Phone ☒ Name ☐ Grade ☐ Type

Phone	Name	Grade	Type	Lang
1112223333	Alice Arthur	10	Student	English
2223334444	Bill Biotin	10	Student	English
3334445555	Carl Case	10	Student	English
4445556666	Debra Denton	10	Student	English
5556667777	Edward E.ington	10	Student	English
6667778888	Frances Fulton	10	Student	English
7778889999	George Green	10	Student	English
8889990000	Halla Howard	10	Student	English
9990001111	Ian Iverson	10	Student	English
0001112222	Alan Jacoby	10	Student	English
1112223333	Kalish Knight	10	Student	English
2223334444	Lily Landau	10	Student	English
3334445555	Marnae Marnettson	10	Student	English
4445556666	Noel Nichols	10	Student	English
5556667777	Olivia Owens	10	Student	English
6667778888	Parker Peterson	10	Student	English
7778889999	Quentin Queens	10	Student	English
8889990000	Rachel Ryerson	10	Student	English
9990001111	Steven Swenson	10	Student	English
0001112222	Tyler Trenton	10	Student	English

Select Recipients

Add Group

Recipient List

List Count

Text outgoing List

Clear Lists

Clear TXT List

Clear Email List

Go Green Messages

Group Added

OK

Grade

Type

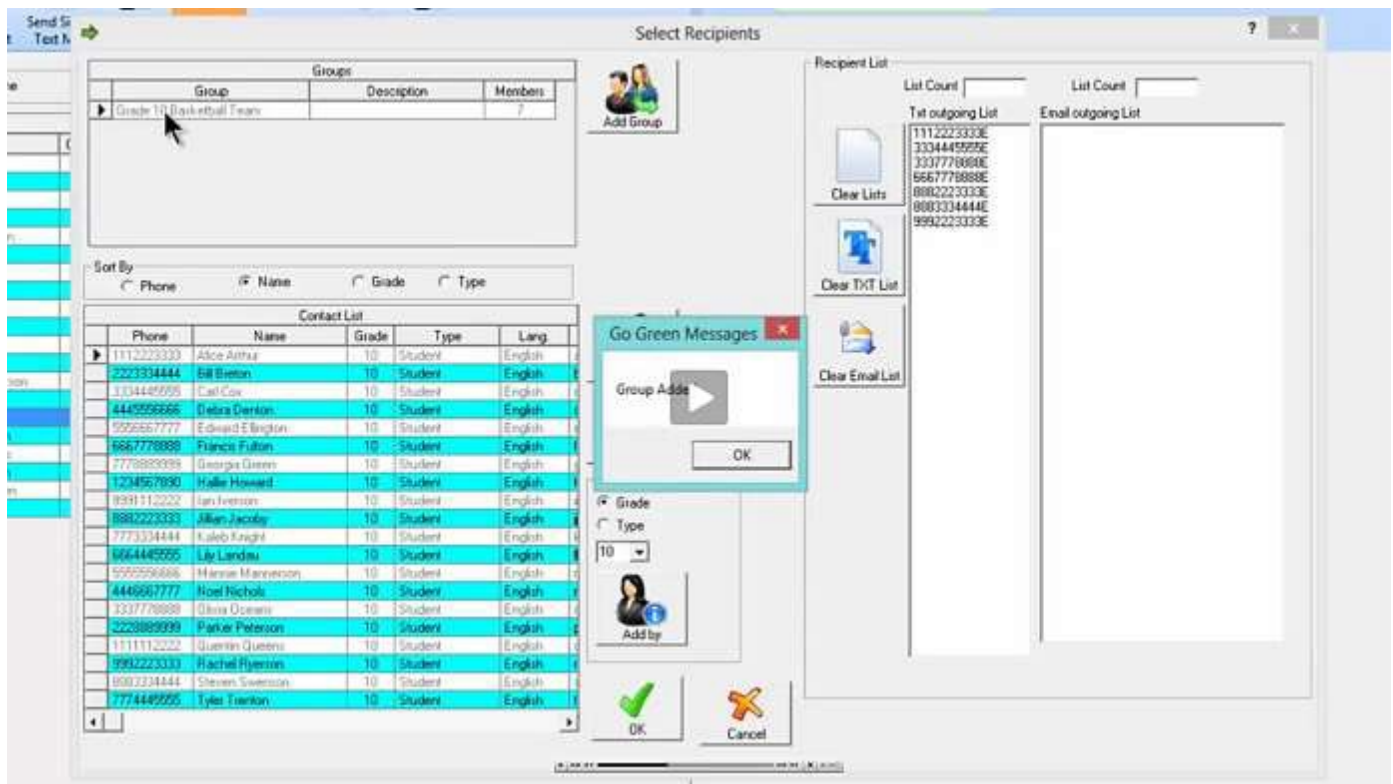
10

Add by

OK

Cancel

Source: <http://www.thuhcompany.com/ggm/support/VideoPlayer.php?V=7&C=3>



Source: <http://www.thuhcompany.com/ggm/support/VideoPlayer.php?V=7&C=3>

SECTION 4

4. ONE CALL NOW INC. (TROY, OHIO)

Product: One Call Now Emergency Notification Services

One Call Now is a cloud-based emergency group messaging and contact platform provided by One Call Now Inc. One Call Now provides voice, text, and email messages to a self-uploaded contact list and to smaller sub-groups or groups of those contacts stored on their server.

One Call Now advertises that they provide messages to cell phone holders through a wireless network. In addition, One Call Now provides an acknowledgement of the response, an indication of no response when that group member has not yet responded to the group message, and an indication of response when a response sent by the mobile device of that group member has been received. This is shown in One Call Now's online video tutorial below.

See: <http://www.onecallnow.com/emergency-notification-system/search-and-rescue-mass-calling/how-it-works>

Further detail is provided below on the One Call Now Emergency Services Notification service and "How it Works".

How it Works Overview

How It Works
Emergency Notification Services for Search and Rescue

Volunteers needed immediately. Can you help?

Name	Destination	Status	Response
Bill	(555)555-5551	Reached Person	YES
Cindy	(555)555-5552	Reached Person	NO
Tom	(555)555-5553	Reached Person	YES
Nancy	(555)555-5554	Reached Call In	YES
Jeff	(555)555-5555	Reached Call In	NO

00:36 01:02

Source: <http://www.onecallnow.com/emergency-notification-system/search-and-rescue-mass-calling/how-it-works>

Recipient Identifier

Partial excerpt from Claim 1 showing similar commercial use: Acknowledgement data comprising a listing of the group members, response for each of the group members, including an indication of no response when that group member has not yet responded to the group message, and an indication of response when a response sent by the mobile device of that group member has been received.

“One Call Now Emergency Notification Services are powerful enough to alert entire cities and **versatile enough to notify small teams, track detailed information** and supply real-time reports. With One Call Now Emergency Notification Services, it’s fast and easy to get the word out. Simple tools help you take control and make informed, life-saving decisions.”

Source: <http://www.onecallnow.com/emergency-notification-system/search-and-rescue-mass-calling/how-it-works>

One Call Now Search & Rescue Brochure

FEATURES & STATS	
Maximum voice messages to each number per year	UNLIMITED
Maximum email to PC's and email to Internet-enabled cell phones per year	UNLIMITED
Maximum SMS text* messages sent to cell phones	UNLIMITED
Maximum length of voice messages	90 SECONDS
Maximum characters in an SMS text* message	130
Phone numbers per contact (includes voice and text)	6
Email addresses per contact	5
Maximum number of Subgroups	UNLIMITED
Messages with high priority status	ALL
Text-to-Speech: your typed message is converted to a voice message	UNLIMITED
Caller ID: you select an ID that let's recipients know it's an important call	YES
Multilingual: immediately translates typed messages and delivers in voice (18 languages)	UNLIMITED



Source: One Call Now Search & Rescue Brochure, page #3

“Target messages to specific groups within your organization.”

Source: One Call Now Online Video Tutorial, <http://www.onecallnow.com/emergency-notification-system/search-and-rescue-mass-calling/how-it-works>