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Dynamic Emergency Calling Customer Admin Guide

Getting Started

After your customer admin account is created by TelNet, you will receive a welcome email:



For first login, access horizon.e911cloud.com 1 from any browser, enter email address 2, click SIGN IN 3 and then click the Forgot/Reset Password link. Enter your email address and click NEXT.

	HORIZON
2	Welcome to Horizon Mobility [®] Portal Please sign in below Email jsmith@acme.com
	Password
3	SIGN IN
	Forgot/Reset Password?

A security code will be emailed to you. Enter the security code that was received via email and enter your desired password (minimum of 16 characters) and confirm desired password.

	HORIZON
	Please enter the one-time security code that was sent to in order to set your new password.
Securit	/ Code
Passwo	rd
Confirn	Password
Didn't re adminis	ceive the security code? Check your Junk/Spam folder, or contact you rator.
Still nee	d another code? Click here.



As a customer admin, there are several steps that need to be completed to setup dynamic emergency calling.

Dynamic Emergency Calling

Customer Admin Guide

This includes:

- 1. Define E911 Location information
- 2. Select and setup a Network Discovery method
- 3. Enable Alerts and Notifications

This admin guide will focus on those three steps plus bulk data importing. Refer to the online help documentation available directly within the customer admin portal for additional info. The same documentation is also available at:

https://resources.e911cloud.com/help/RedSky/E911_Anywhere_HM_Customer_Admin_Guide/Dashboard_and_ Menus.htm

Define E911 Location Information

E911 Location info should be defined for ALL hard phones. This includes desk phones, conference phones and other physical calling devices.

Note: E911 Location info does **NOT** get defined by customer administrators for softphone applications within the customer admin portal. End users define their E911 location information either directly within the native softphone/ collaboration app itself (for example, Webex Desktop App or Microsoft Teams Desktop App) or within the MyE911 application for other 3rd party softphones.

An E911 location includes 2 key components:

- Building this is the primary address or civic address of the workplace (office, home, etc)
- Location this is a more detailed description within the building also known as a "dispatchable location". Typically a room, floor, zone, lobby, etc

6 O redsky E911 Locations Midwest Buildings
 Cocations Search Q Building 1 Ê **Q** E911 LOCATIONS Building 2 54100 Broughton Rd. Macomb. MI 48042 È Building 3 24705 W 12 Mile Rd. Southfield. MI 48034 Ê Building 4 1175 W Long Lake Rd. Troy. MI 48098 Ê : Page 1 of 1 25 rows 👻

In the left navigation, click **CONFIGURATION** 4 then **E911 LOCATIONS** 5



If Buildings or Locations have been defined, they will be displayed similar to image above

Customer Admin Guide

To add a new building and address, click the **ADD BUILDING** option near the upper right corner.

Enter the desired building name and address. Press **SAVE** 7 to complete.

The system will try to match characters entered for the address, select the desired address from the matching list. Users can also click the **Alternate Address View** if the address being entered does not appear in the matching list.

Dynamic Emergency Calling

Add Building CLOS	E
*Building Name	
*Address	
Supplemental Information	8
Override Organization Name	
 SAVE	

After a Building is created, click the arrow next to the desired building and then click **ADD LOCATION •** near far right:

o redsky	E911 Locations				Customer Admin Midwest_M	CA edical	
DASHBOARD	Display Mode: Buildings Locations						
	Search Q				ADD BL	JILDING	
	Bu	liding Name	A	ddress	Details		
ALERTS & EMAILS	Building 1	3170	Research Park Dr, Madison Heights, MI 48071		Ê	:	
E911 LOCATIONS	 Building 2 	5410	Broughton Rd, Macomb, MI 48042		Ê		
USERS	Locations						
V PIDF-LO DEVICES					ADD LOCA	TION	•
NETWORK DISCOVERY	Location Name	Location Informat	n	Phone Number	Details		
CALL MONITORING	Room 101	Room 101	(248) 485-1924		â		
MONITORING		Page 1 of1	25 rows 🗸				
REPORTS	 Building 7 	2/7	EW 17 Mile Dd. Sauthfield, MI 48074				
CLIENT INSTALLERS	, Building 5	247	o vv 12 mile ka, souchneld, MI 48034		Ê	:	
ONLINE HELP	 Building 4 	1175	V Long Lake Rd, Troy, MI 48098		Ê	:	
		Page 1 of 1	25 rows 💌				



	Add Location	CLOSE
10	Location Name	
11	Phone Number	
12	Location Information	6
	Override Organization Name 🕖	
	HTML Link URL	
_		•
13	SAVE	

Enter the Location Name 10, Phone Number 11 and Location Information 12 and press SAVE 13.

Note: The data in the Location Information field is used during emergency calls

Override Organization Name can be enabled if you wish to use a different name for emergency calls than the one that is assigned to your organization. This assigned name is shown near the top right corner of the customer admin portal. In the above example, *Midwest_Medical* is the assigned name and could be changed to *Midwest_Medical Group* or another more descriptive or meaningful name.

Select and Setup a Network Discovery Method

Note: A network discovery method must be used on supported hard phones or E911 will not function properly. Contact your project manager for details.

There are four different network discovery methods available including MAC, LLDP, BSSID and IP RANGES

MAC

This discovery method uses an endpoint's MAC address to determine location. This method is beneficial for customers that wish to provide Enhanced 911 with a high level of granularity to endpoints that do not move often. Supported Input Formats: mm:mm:ms:s:s:s:s, mm-mm-mm-ss-ss-ss, mm.mm.mm.ss.ss.ss, mm mm mm ss ss ss, and mmmmmmssssss. Input format is not case sensitive.

LLDP

This discovery method uses the network switch to determine location. The endpoint uses **LLDP** (Link Layer Discovery Protocol) to identify its neighbor and passes this information to a HELD Service. When the LLDP information is received, the application associates the endpoint with the location assigned to the switch and/or port.



There are three requirements for LLDP Mappings to be successfully implemented:

Customer Admin Guide

- The customer must know the location of a switch and/or port.
- The endpoint and connected switch must support LLDP and pass the tags to the HELD Service.
- LLDP Chassis and Port Mappings must be properly configured in the application.

If the HELD Service receives an unknown Chassis ID in the request, it is automatically added to the database with no location. Similar to Chassis ID, if an unknown Port ID is in the request, it is automatically added to the database with no location and associated with the corresponding Chassis ID.

Dynamic Emergency Calling

If the HELD request contains both Chassis ID and Port ID, Network Discovery returns the locations associated with the port. If the Port does not have a location associated with it, then Network Discovery returns the fallback location of the Chassis.

This method is beneficial for customers who wish to provide a unique location for each phone or for those customers who have IP segments that cannot be geographically grouped. If the customer does not require a precise location of each endpoint or change control practices are not in place for patch panel management, this option is not recommended.

BSSID

This discovery method uses the connected **Wireless Access Point** (WAP) to determine location. **Basic Service Set Identifier** (BSSID) is a 48-bit identity used to identify a particular WAP within a wireless network, usually, the BSSID is the MAC address of the WAP. There are two different categories available for BSSIDs, Corporate and Personal. When a BSSID is sent to the HELD Service, the endpoint is associated with the location of the BSSID.

There are three requirements for the BSSID Mappings to be successfully implemented. First, the customer must know the location of a WAP. Second, the endpoint must pass the BSSID to the HELD Service. Lastly, BSSID Mappings must be properly configured in the application.

This method is beneficial for customers who want to track the location of WIFI endpoints where a WIFI Controller based integration is not available. If the customer has WAPs that service multiple floors within a building this method is not recommended.

IP RANGES

This discovery method uses an endpoint's IP address to determine location. When a registration event is determined, the IP address of the endpoint is collected and mapped to a defined range. The endpoint is then associated with the location of the IP Range.

There are two requirements for Layer 3 Network Discovery to be successfully implemented. First, the customer must know the location of their IP Subnets. Second, the IP Ranges must be properly configured within the application.

IP Ranges may be defined as small or as large as the customer is capable of defining. The application uses a minimum and maximum IP address for all ranges, and the range does not have to comply with a specific IP subnet, for example, 192.168.124.15 through 192.168.125.27 is valid.

This method is beneficial for customers who wish to provide Enhanced 911 with minimal effort. If a high level of granularity is required, this method is not recommended.



The prioritized order of Network Discovery is as follows:

- MAC Address Mapping
- LLDP Port Mapping
- LLDP Chassis Mapping
- BSSID Personal Mapping
- BSSID Corporate Mapping
- Layer 3 Network Discovery (IP Range)
- Airwave (VPN Network Discovery)
- WIFI Network Discovery
- Layer 2 Network Discovery

MAC

Network Discovery can be accessed within the customer admin portal. In the left navigation, click **CONFIGURATION** 14 then **NETWORK DISCOVERY** 15. Click the **MAC** 16 tab. Click **ADD MAC ADDRESS MAPPING** 17 near the upper right corner

		16				17
	o redsky	Network Discovery			Custor	ner Admin CA west_Medical
	A DASHBOARD	MAC	LLDP	BSSID	IP BANGES	
					ADD MAC A	DRESS MAPPING
14		MAC Address	Locat	tion	Description	
_	ALERTS & EMAILS	80:5E:0C:4C:AE:55	Room 101 54100 Broughton Rd, Macomb, MI 4804	42		1
	E911 LOCATIONS	80:5E:0C:03:E3:A4	Room 102 24705 W 12 Mile Rd, Southfield, MI 4803	54		1
		805E0C963E02	Room 1922 31700 Research Park Dr, Madison Heigh	nts, MI 48071		1
	VE PIDF-LO DEVICES	80:5E:0C:54:65:FB	Room 1929 31700 Research Park Dr. Madison Heigh	nts, MI 48071		:
15	CALL MONITORING		Page 1 of1	25 rows 🗸		
	ONLINE HELP					



Enter the desired **MAC Address** 18. Select a previously defined **Building** 19 and **Location** 20 from the drop down list. Click **SAVE** 21. Note: Building and Location info must be defined prior to adding this mapping.

	Add MAC Address Mapping	CLOSE
8	*MAC Address	
9	*Buildings	
	Building 2	×
2 0	Room 101	~
	Description	
_		
21	SAVE	

LLDP

Network Discovery can be accessed within the customer admin portal. In the left navigation, click **CONFIGURATION**²² then **NETWORK DISCOVERY**²³. Click the **LLDP**²⁴ tab. Click **ADD CHASSIS MAPPING**²⁵ near the upper right corner.





Enter the Chassis ID in the **Identifier**²⁴ field (this is typically the Mac address of the customer switch). Select the desired **Building**²⁵ and **Location**²⁶ from the drop down lists. Click **SAVE**²⁷.

	Add Chassis Mapping	CLOSE
2 4	*Identifier	
	00:E1:6D:91:B9:99	
2 5	*Buildings	
	Building 1	~
	*Location	
6	Room 1922	~
	Description	
	SAVE	

After a switch Chassis is added, click the arrow on left to display any available ports that are associated with the Chassis.

oredsky	Network Discovery			Custom	vest_Medica
A DASHBOARD	MAC	LLDP	BSSID	IP RANCES	
				ADD CH	HASSIS MAPPINO
	Description	Ide	ntifier	Location	
ALERTS & EMAILS	*	00:E1:6D:91:89:99	Room 1922 31700 Research	Park Dr, Madison Heights, MI 48071	1
E911 LOCATIONS	Port Mapping				
	Description	Ident	ifier	Location	•
C PIDF-LO DEVICES		00:E1:6D:91:B9:9E	Room 1922 31700 Research Pa	rk Dr, Madison Heights, MI 48071	:
NETWORK DISCOVERY		00:E1:6D:91:B9:A1	Room 1923 31700 Research Pa	rk Dr, Madison Heights, MI 48071	:
CALL MONITORING		00/e1/6d/91/b9/9b	Room 1925 31700 Research Pa	rk Dr. Madison Heights, MI 48071	:
		00.e1.6d.91.b9.9d	Room 1927 7/200 Deceaseb D	de De Madican Holebre MI (907)	1
			Siroo Research Po	n or, monor ringing, mi 400/1	
		Page 1 of 1	25 rows 💌		
ONLINE HELP					



Click the ellipses near far right of Chassis and then click Add Port Mapping 28.

o redsky	Network Discovery					Customer Ad mir Midwest_N
DASHBOARD	мас	LLDP	BSSID		IP RANCES	
ADMINISTRATION						ADD CHASSIS M
CONFIGURATION	Description	Ide	entifier		Location	
ALERTS & EMAILS	•	00:E1:6D:91:B9:99		Room 1922 31700 Research Park	Dr. Madison Heights, MI 48071	Edit
E911 LOCATIONS	Port Mapping					Delete
USERS	Description	Iden	tifier		Location	Add Port M
PIDF-LO DEVICES		00:E1:6D:91:89:9E		Room 1922 31700 Research Park Dr	, Madison Heights, MI 48071	
NETWORK DISCOVERY		00:E16D:91:89:A1		Room 1923 \$1700 Research Park Dr	Madison Heights, MI 48071	
CALL MONITORING		00xe16d:91:b9:9b		Room 1925	Medice Unicker ML (007)	
MONITORING		00xe1:6d:91:b9:9d		Room 1927	, Mariison Heighis, Mi 48071	
MPORTING				31700 Research Park Dr	, Madison Heights, MI 48071	
REPORTS						
LIENT INSTALLERS	Previous	Page 1 of 1	25 rows ¥			

Enter the port **Identifier** ²⁹ (typically the mac address of the switch port). Select the desired **Building** ³⁰ and **Location** ³¹ from the drop down lists. Click **SAVE** ³².

	Add Port Mapping	CLOSE
_	*Identifier	
29	00:E1:6D:91:B9:A1	
	*Buildings	
30	Building 1	~
	*Location	
31	Room 1923	~
	Description	
32	SAVE	

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BSSID

Network Discovery can be accessed within the customer admin portal. In the left navigation, click **CONFIGURATION 33** then **NETWORK DISCOVERY 34**. Click the **BSSID 35** tab. Click **ADD BSSID MAPPING 36** near the upper right corner.

				3 5	
	oredsky	Network Discovery			Customer Admin CA Midwest_Medical
	A DASHBOARD	MAC :	LLDP	BSSID	IP RANGES
					ADD BSSID MAPPING
3 3		BSSID	Loca	tion	Description
	ALERTS & EMAILS	AC:4C:A5:4F:6C:B8	Room 1928 31700 Research Park Dr, Madison Heigi	hts, MI 48071	1
	E911 LOCATIONS		Page 1 of1	25 rows 👻	
	C PIDF-LO DEVICES				
3 4	NETWORK DISCOVERY				

Enter the BSSID of the wireless access point in the **BSSID** ³⁶ field. Select the desired **Building** ³⁷ and **Location** ³⁸ from the drop down lists. Click **SAVE** ³⁹.

	Add BSSID Mapping	CLOSE
36	*BSSID AC:4C:A5:4F:6C:B8	
	*Buildings	
37	Building 1	~
_	*Location	
38	Room 1928	~
	Description	
39	SAVE	



IP RANGES

Network Discovery can be accessed within the customer admin portal. In the left navigation, click **CONFIGURATION** ⁴⁰ then **NETWORK DISCOVERY** ⁴¹. Click the **IP RANGES** ⁴² tab. Click **ADD IP RANGE MAPPING** ⁴³ near the upper right corner.

					42 43
	o redsky	Network Discovery			Customer Admin CA Midwest_Medical
	A DASHBOARD	MAC	LLDP	BSSID	IP RANCES
		Private IP Range 🌙 Trusted IP Range			ADD IP RANGE MAPPING
40		Range Start	Range End	Location	Description
	ALERTS & EMAILS				
	E911 LOCATIONS		No	rows found	
	U PIDE-LO DEVICES				
41			Page 1 of 1	25 rows 👻	
	린 CALL MONITORING				
	A CONTRACTOR CONTRACTOR				

The **Private IP Range** is selected by default. Enter the **IP Range Start** 44 and **IP Range End** 44 values. Select the desired **Building** 45 and **Location** 46 from the drop down lists. Click **SAVE** 47.

	Add IP Range Mapping	CLOSE
4 4	*Range Start 10.0.0.10	
4 4	*Range End 10.0.0.50	
4 5	*Buildings Building 3	~
4 6	*Location Room 102	~
	Description	
47	SAVE	



The next step is to set the Public IP Address. Click the toggle near upper left to enable the **Trusted IP Range** 48. Click **Add IP Range** 49.

	4 8				4 9
o everbridge redsky	Network Discovery			Cust	omer Admin CA dwest_Medica
A DASHBOARD	MAC	LLDP	BSSID	IP RANGES	
	Private IP Range 🛑 Trusted IP Range				ADD IP RANG
	Range Start	Range	e End	Description	
ALERTS & EMAILS	75.191.167.236	73.191.167.236			
E911 LOCATIONS		Page I of I	25 rows 👻		
U PIDE-LO DEVICES					
WINTWORK DISCOVERY					
CALL MONITORING					

Enter the IP Range Start 49 and IP Range End 50 values. Click SAVE 51.

	Add IP Range	CLOSE
49	*Range Start	
50	*Range End	
	Description	
	SAVE	



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Bulk Importing

If there are numerous E911 Locations or Network Discovery inputs, bulk importing may be an easier approach. Importing can be accessed within the customer admin portal. In the left navigation, click **IMPORTING** ⁵². Then Click **TEMPLATE FILES** ⁵³ near upper right. This shows a list of all available import methods. Select and download the desired csv file.

	Customer Admin CA Midwest_Medical						Importing	o redsky		
53	TEMPLATE FILES							DASHBOARD	•	
		s Processed	Rows P		nfo	Import ir		ADMINISTRATION	6	
	Total	Failures	CLOSE Updated		Template Files	Type	Created	ORGANIZATION MANAGEMENT		
								ADMINISTRATORS	-	
				Download	Template Name			CONFIGURATION	4	
				0	Sample and Reference					
				٥	BSSID Assignment			MONITORING		_
			S rows 👻	٥	Buildings	reylaus		IMPORTING	• o	52
				0	Device Users			REPORTS		
			_		LLDD Chassis Assignment			CLIENT INSTALLERS	6	
				٥	LEDP Chassis Assignment			ONLINE HELP	-	
				0	LLDP Port Assignment					
				٥	Locations					
				٥	MAC Assignment					
				٥	PIDF-LO Devices					
				٥	Private IP Range Assignment					
				٥	Trusted IP Range Assignment					
			570×5 ¥		BSSID Assignment Buildings Device Users LLDP Chassis Assignment LLDP Port Assignment LLDP Port Assignment LDP Port Assignment PIDF-LO Devices Private IP Range Assignment Trusted IP Range Assignment	aras		MONITORING IMPORTING IEEPORTS CLIENT INSTALLERS		52

Below is an example of the .csv file for Locations

A	B		D	E		G	н	
##Locations								
## A Location can only be	provisioned with a Phone	Number OR Alternate ID, r	ot both.					
## Callback Number will I	be required if a value is pro	ovided for Alternate ID.						
1								
Building Name *	Location Name *	Phone Number (10)	Alternate ID (50)	Callback Number (10)	Location Info (20)	Organization Name Overr	HTML Link Name (64)	HTML Link URL (1024)
5								

Populate the required data fields and save the .csv file. Click the **ADD IMPORT** ⁵⁴ button and select the desired **Import Type** from the list (Locations is shown here as an example). Select the **UPLOAD CSV** ⁵⁶ option and search for the desired file. Click **SAVE** ⁵⁷.

									TEMPLATE FILES ADD	IMPORT 5 4
	DASHBOARD									
			Impo	ort Info			Rows	Processed		
		Created	▼ T;	/pe	Status	Inserted	Updated	Failures	Total	
	ALERTS & EMAILS									
	E911 LOCATIONS									
	면 PIDF-LO DEVICES			Add Import			CLOSE IS rows V			
	NETWORK DISCOVERY									
E E	CALL MONITORING			Import Types						
55				Locations	All all a second start					
56				UPLOAD CSV	No file provided					
57					SAV	/E				
	CLIENT INSTALLEDS									



Enable Alerts

When an emergency call is made, others within your organization should be automatically alerted or notified. Two different methods for the notification are SMS text or Email. Either method can be used (both methods can also be used at the same time).

Alerts can be accessed within the customer admin portal. In the left navigation, click **CONFIGURATION 57** then **ALERTS & EMAILS 58**. Click **ADD SUBSCRIPTION 59** near the upper right corner.

									59
		lsky	Alerts & Emails						Customer Admin C Midwest_Medic
	A DASHBOARD		AL	ERT SUBSCRIPTIONS				ALERT & EMAIL TEMPLATES	
		ON							ADD SUBSCRIPTIO
7	CONFIGURATI	ол	Subscription Name	Alert Template Name		Recipients		Subscribed Locati	ons
8•	ALERTS & EMA	ILS	911 Email & SMS Alert	Standard Emergency Call Alert Template			A	II Locations	
	Segni Location	5	933 Email Alert	Standard 933 Test Call Alert Template			A	II Locations	
			933 SMS Alert	Standard 933 Test Call Alert Template			A	II Locations	
	VE PIDF-LO DEVIC	ES	EON Alert - 911 Actual Call	Standard Emergency Call Alert Template			A	II Locations	
	CALL MONITO		EON Alert - 933 Test Calls	Standard 933 Test Call Alert Template			A	II Locations	
				Page	1 of 1		25 rows 🖌		
	REPORTS								

Click the SMS ALERTS 60 or EMAIL ALERTS 61 tabs

*Alert Type			Ţ
*Template			
*Time Zone			
America/New York (UTC-04:00)	¥		
Recipients 0			
EON ALERTS	SMS ALERTS	EMAIL ALERTS	
*Phone Number		ADD	
	Recipients		
	No rows found		



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Enter the subscription **Name** ⁶² and **Alert Type** ⁶³. Select the desired Template from the drop down list. Enter the desired **Phone Number** or **Email** address (click **ADD** ⁶⁴ after each). Scroll to the bottom of the form and click **SAVE**. Below is an example of an alert when an actual 911 call is made.

*Name 911 Call Received *Alert Type Emergency Call Received *Template Standard Emergency Call Alert Template * *Time Zone America/New York (UTC-04:00) * Enable Alert Filtering Enable Alert Filtering Phone Number Phone Number Recipients Phone Number Recipients (55) 666-77777		Add Subscription			CLOSE
*Vert Type Emergency Call Received *Template Standard Emergency Call Alert Template *Time Zone America/New York (UTC-04:00) Enable Alert Filtering Enable Alert Filtering Phone Number Phone Number Recipients (55) 666-77777 (55) 667-7777 (55) 667-7777 (55) 666-77777 (55) 666-77777 (55) 666-77777 (55) 666-77777 (55) 666-77777 (55) 666-77777 (55) 666-77777 (55) 667-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (55) 670-7777 (57) (57) (57) (57) (57) (57) (57) (57)	•	*Name 911 Call Received			
*Template Standard Emergency Call Alert Template *Time Zone America/New York (UTC-04:00) Enable Alert Filtering Fecipients Feon ALERTS EMAIL ALERTS EMAIL ALERTS Phone Number Fecipients (55) 666-77777	•	*Alert Type Emergency Call Received			•
*Time Zone America/New York (UTC-04:00)		*Template Standard Emergency Call A	lert Template		*
Enable Alert Filtering Recipients EON ALERTS EON ALERTS EMAIL ALERTS Phone Number ADD Recipients ismith@mm.com (555) 666-7777		*Time Zone America/New York (UTC-04:	00) 👻		
EON ALERTS EMAIL ALERTS Phone Number ADD gismith@mm.com Image: Constraint of the second secon		Enable Alert Filtering			
EON ALERTS SMS ALERTS EMAIL ALERTS Phone Number ADD Recipients		Recipients 0			
Phone Number ADD Recipients jsmith@mm.com		EON ALERTS	SMS ALERTS	EMAIL ALERTS	
Recipients		Phone Number		ADD	
Simitri@mm.com			Recipients		
				-	