



# A CHANGING WORLD

## HOW WE PREPARE AND RESPOND IS CHANGING

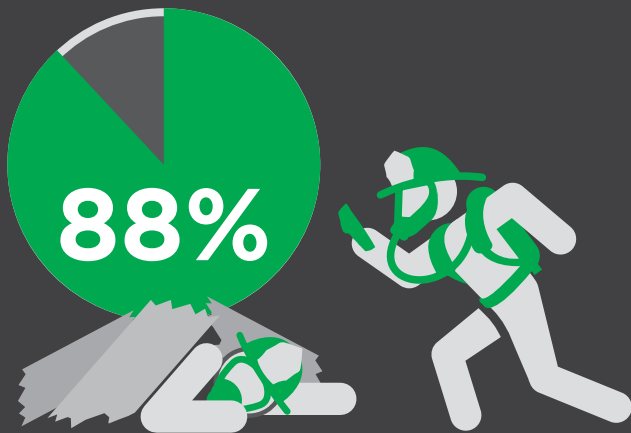


Training and safety tactics have been the staple of preparing for the uncertain—a mayday. The traditional approach to mayday is rooted in the assumption that Incident Command is set up and able to dictate direction in the critical time, voice communications are clear, and the dedicated RIT team will take action.

The technology revolution has opened the door for new life-protection opportunities that are far beyond traditional practices and add peace of mind no matter what uncertainty you are faced with. To be prepared for your worst day, you need more than accounting for some of your team, incomplete information on your crew, and tools for a subset of your team to respond in a critical time.

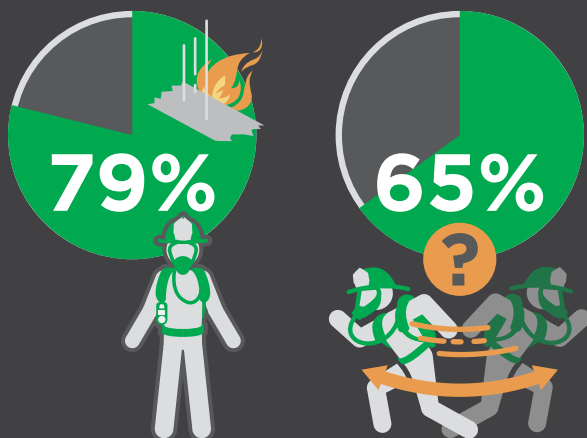
You need to be confident your entire crew is accounted for and you are being supplied with real-time information for confident decision making. You need to close the vulnerability gap with technology that goes beyond just having an idea of where your crew is or how much air they have, but knowing if a mayday is issued, everyone on the scene is instantly notified and can respond. Because safety is not just about the pieces—it's about the entire system being confident and prepared.

WHEN YOU GO IN, WE GO IN WITH YOU.



### 88% of Successful RIT Rescues Come from Within the Structure<sup>1</sup>

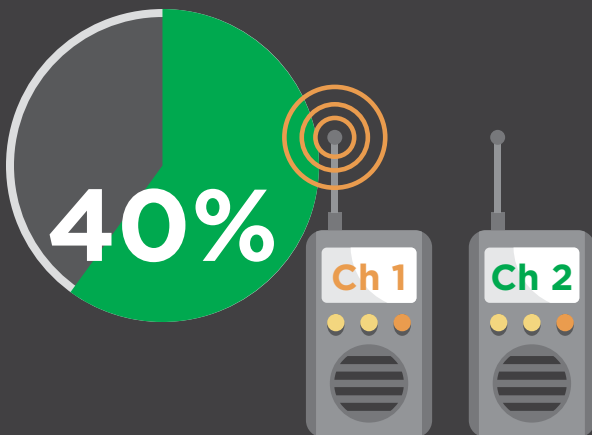
Although it is common to have a dedicated RIT, this approach heavily relies on Incident Command being established and tools external to the structure being used. Research shows that with the uncertainty and criticality of every mayday situation, success comes from within.



### Situational Awareness Contributed to 79% & Disorientation Contributed to 65% of Maydays<sup>2</sup>

Firefighter staffing numbers are dropping lower than ever before resulting in increased stress, fatigue and task overload affecting situational awareness.

In addition, fires are burning hotter and faster than before due to today's synthetic materials. These conditions contribute to hazards such as zero visibility and flashover affecting orientation.



### 40% of Mayday Calls Were on the Wrong Channel<sup>3</sup>

Voice communications can be very challenging in a live fire situation, and Incident Commanders don't always have the right information to make confident decisions. Given the dynamics of any scene, communication can be compromised, altering the outcome.

## MSA CAN HELP

MSA is the first manufacturer to introduce advancements in firefighter safety, providing F.A.S.T Technology, connectivity, and Edge Detection enhanced thermal imaging to every firefighter on scene. Only with the MSA LUNAR and FireGrid can you experience a network of safety providing real-time, on-scene visibility, increasing safety, and decreasing risk for all personnel on and off scene.

You'll use the most effective mix of today's technology, and be ready to turn on new technology as soon as it becomes available—all on the same platform. With rapidly advancing capabilities in the areas of connectivity, situational awareness, locating, and monitoring, the possibilities for firefighter safety are staggering. In the end, you'll protect not only your investment, but most importantly, the safety of your firefighters and everyone on a fire scene.

### ACCOUNTED

Wireless to allow for accountability of the entire team on every scene—on or off air.

Equipped with 3 alarms: **MANUAL**, **MOTION**, and **HARDWARE** to keep you accounted for in your time of need.

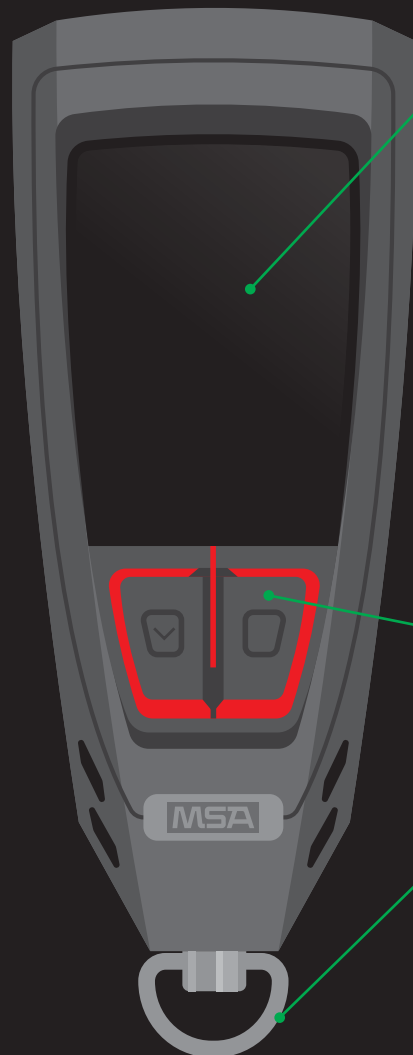
### CONFIDENT

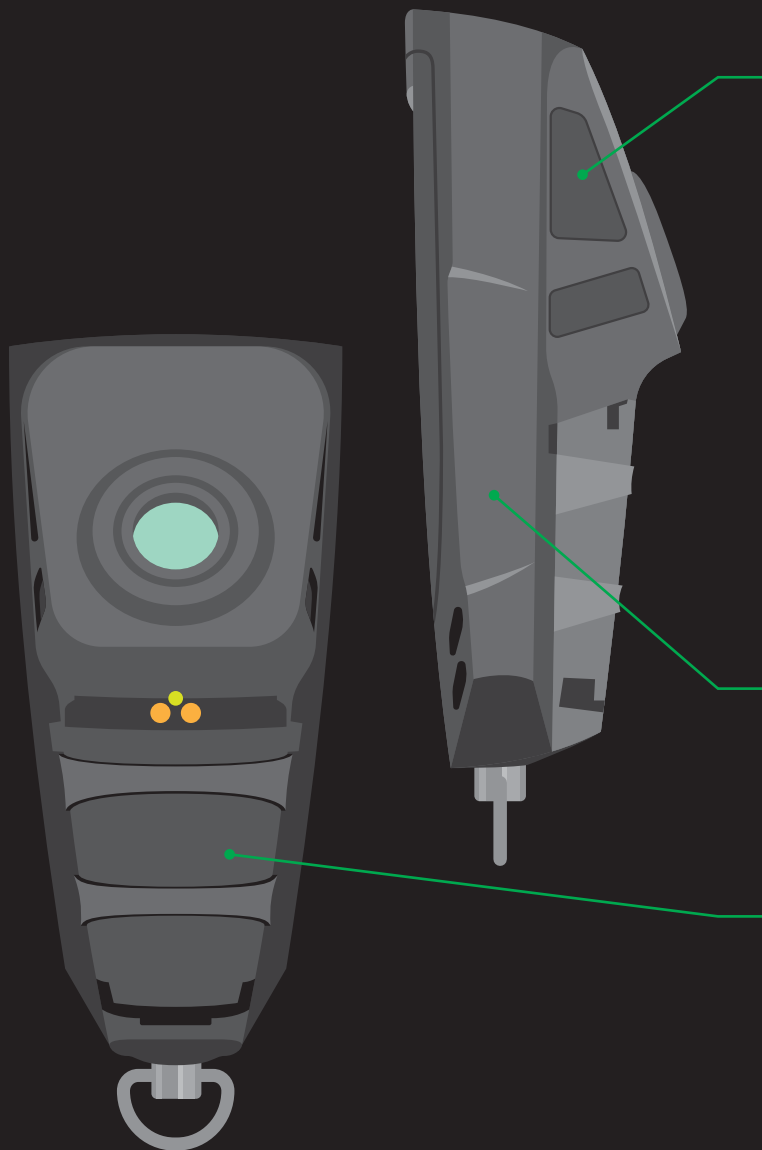
3.5" (89 mm) display for clear viewing of Edge Detection-enhanced thermal imaging, receiving a PAR Check or Evacuation, and confirming the air pressure, time remaining, and battery status of the paired G1 SCBA.

### COMFORTABLE

Designed with two easily-locatable buttons for simple scrolling and selecting in a gloved hand.

Swivel quick disconnect for easy use with multiple attachment methods.





## CONNECTED

Integrated LTE-M technology uses existing cell towers to send real-time accountability information to FireGrid Monitor + FireGrid Remote Monitoring.

F.A.S.T. Technology: the independent firefighter-to-firefighter ranging network providing distance and directional information during a search and rescue mission.

Embedded Bluetooth technology enables easy pairing with G1 SCBA + ALTAIR® Gas Detector.

## COMFORTABLE

Covered in a rubber overmold for secure gripping and increased ruggedness.

## CONFIDENT

Textured rechargeable battery for secure gripping and to keep you powered when you need it.

## SOURCES

- 1 Abbott, Don. Project Mayday, 2019, [projectmayday.net/public/res/pdf/2015%20\\_2019\\_PM\\_Career.pdf](https://projectmayday.net/public/res/pdf/2015%20_2019_PM_Career.pdf).
- 2 Abbott, Don. Project Mayday, 2019, [projectmayday.net/public/res/pdf/2015%20\\_2019\\_PM\\_Career.pdf](https://projectmayday.net/public/res/pdf/2015%20_2019_PM_Career.pdf).
- 3 "Firefighter Mayday? Reality vs. Myth." *Fire Engineering*, 14 Apr. 2016, [www.fireengineering.com/2016/04/14/240836/firefighter-mayday-reality-vs-myth/](http://www.fireengineering.com/2016/04/14/240836/firefighter-mayday-reality-vs-myth/).

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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