

ACR Electronics, Inc. 5757 Ravenswood Road Fort Lauderdale, FL 33312 www.acrartex.com **New Product Briefing**

SARLink 406 MHz / Iridium Beacon

Two Powerful Brands One Great Company

Our Brands



- Marine, Aviation, Outdoor and Military Markets
- PLBs, EPIRBs, SARTs, Strobe Lights, Searchlights, Ditch bags



- Aviation and Military Markets
- ELT, Antennas, Remote Switches



Our Company

- ACR Electronics, Inc.
 - Established in 1956
 - 55,000 Sq.ft Manufacturing Facility
 - Located in Fort Lauderdale, FL USA
 - 180+ Employees
 - AS9100 Quality Certification



Technology Overview



- 406 MHz Cospas-Sarsat
 - Direct Link to Search and Rescue
 - Government-MaintainedInfrastructure
 - Public and Military/Government use
 - □ 1-Way Alert Communication
 - Dedicated battery for emergency activations

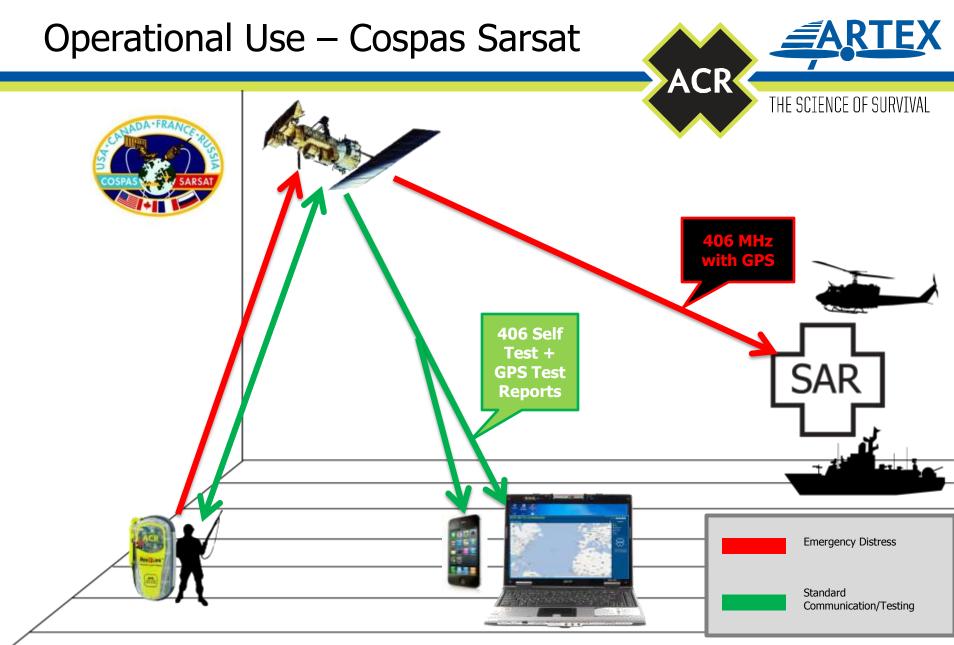


- SEND Devices
 - 2 Step Link to Search and Rescue
 - Commercial Infrastructure
 - ☐ 1-Way or 2-Way Communication/Tracking Capabilities
 - Replaceable or Rechargeable batteries that are not dedicated to emergencies

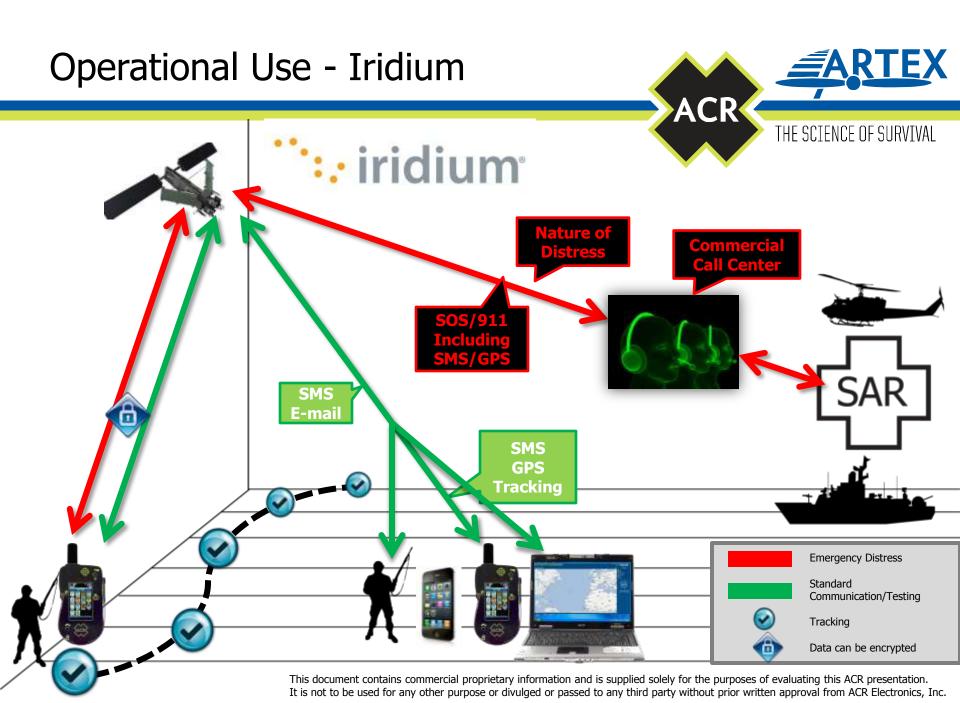








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Imagine the possibilities if these two networks could be integrated into one communication device....



Introducing SARLink





Your Ultimate Way Out...

- Dual Emergency Distress Capabilities
 - 406 MHz Cospas-Sarsat Distress Alerting
 - Iridium Commercial Distress Alerting
- 2-Way Messaging (Canned or Custom)
 - SARLink to SARLink
 - SARLink to Cell/Satellite Phone via SMS
 - SARLink to PC via E-mail
- Tracking
 - GPS Check-in
 - GPS Tracking
 - Geofencing
- Beacon Management System
 - SARLink to Beacon Management System
 - Account Management/Administration



Communicate Smarter





WAYPOINTS

SEND

406 MHz

911

TRACK





THE SCIENCE OF SURVIVAL





ALERT

CHECK IN







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Product Features

The SARLink has a touch screen, an ON/OFF button, 406 MHz Test button, and a dual emergency distress button. The Iridium ON/OFF button is used to power up the device and can also acts as a back key. The touch screen allows access to the device features. The USB port is for charging, and firmware update.

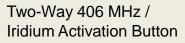
406 MHz Test Button

· Press for 1 Seconds to activate 406 MHz test signal

USB Battery Charger

 Clip custom USB cable to SARLink to charge battery





Lift cover, press and hold for 3 Seconds to activate distress signal

Iridium ON/OFF Button

- Press and hold for 1 Second to Turn ON
- Functions as the Back Button during use
- Press and hold for 3 Seconds to Turn OFF

Touch Screen

- Press the desired icon to navigate
- Free Text Messaging



Two Dedicated Batteries:



1. Rechargeable Lithium ion for daily operational communications use



Dedicated **Lithium Battery** for Life Saving Emergency

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Dual Emergency Modes

The proven power and technology of the Cospas-Sarsat System with the 2-Way communication feature from Iridium combines to create the smartest Personnel Recovery Support System available

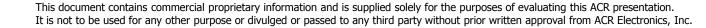
The 406 MHz Test LED flashes red under Emergency mode





The status LED turns solid red under Emergency mode

This bar turns from black to red under Emergency mode. It turns back to black when the device is taken out of Emergency mode



- Iridium

Chk-In Way Pts

Home (<1 min)

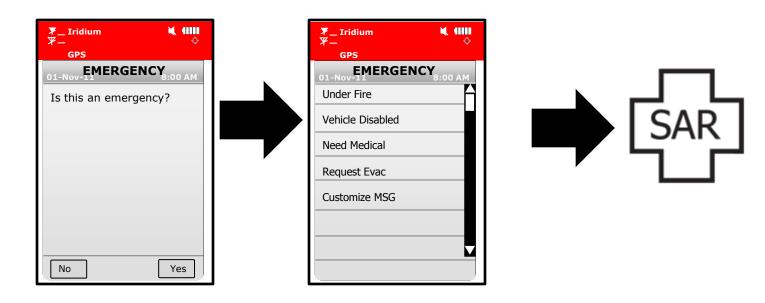
Texting Tracking Utilities Setting

Emergency Mode



The first Smart Personal Locator Beacon, allows you to confirm your emergency distress call and also assist in your own rescue by providing detailed information about the nature of your distress.

Result: No more blind Rescue Operations. They know the details of your emergency situation, so they can respond appropriately.



Always Improving



Proof of Concept Unit





New Antenna Technology

Combines 406 MHz and Iridium transmit capability

25% Smaller Size and Weight

Increased Button Size

Provides for ease of operation

Same Screen Size

No change in size or functionality of touch screen



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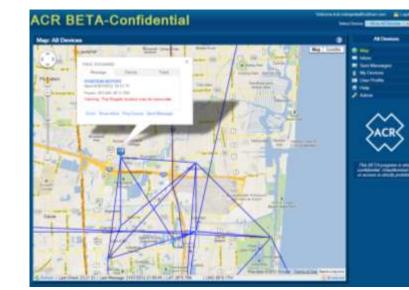
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Beacon Management System



- Manage all your SARLink devices in our Beacon Management System (BMS)
 - Assign Groups
 - Track Beacons/Users
 - Send Messages
 - Manage Users





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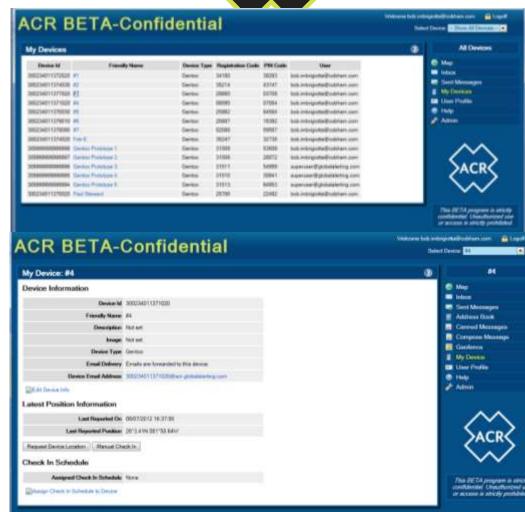
Beacon Management System





THE SCIENCE OF SURVIVAL

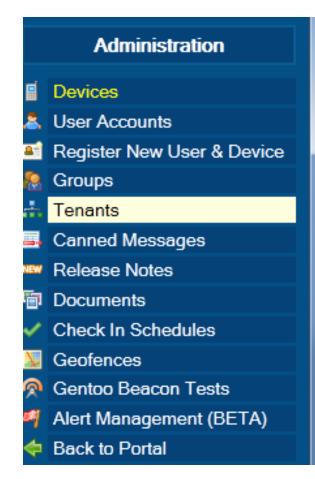
- Manage Devices
 - Request DeviceLocation
 - Manual Check In
 - Set Check InSchedule



Beacon Management System



- Administration Options
 - Group Devices into Teams
 - Set Canned Messages
 - Create and monitorGeofencing
 - View PLB Testing and Alert Management



Monitor 406 MHz Beacon Testing



- Get real time 406 MHz testing through the Cospas-Sarsat Satellite System
- An ACR Exclusive



Test Time	Battery on Elapsed Time	15 Hex ID Validity	PLL Test	406 Detect	Battery Voltage Test	ACR Serial Number Missing	Elapsed Time	PLL Lock Detect	PLL Ripple	Burst 406	Battery
06/07/2012 16:08:48	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	00:37:00	1700 mV	25 mV	542 mV	2052 mV
06/07/2012 14:54:55	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	00:01:46	1700 mV	24 mV	1031 mV	2103 mV
06/07/2012 14:47:09	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	✓ Pass	00:36:35	1700 mV	24 mV	617 mV	2064 mV



WHY ACR?



A PROVEN PARTNER

- Meeting the Military Demands since 1956
 - Supplied over 100,000 AN/URT-33 Beacons and AN/PRC-90 radios to military forces around the world
 - Over 55,000 406 MHz MicroFix-Military Personal Locator Beacons in use by the United States military combat personnel in Iraq and Afghanistan
 - Manufactured and delivered more MS-2000(M) distress strobe lights than we can count
 - Supplied the SLB2000 (AN/URT-45) as a form and fit replacement for the AN/URT-33, in aircraft that use the ACES II ejection seat (F-15, F-16, F-22, and B-1)
- Joint cooperative effort with EMS Global Tracking

ACR SARLink Exclusives

- Touch Screen Personal Locator Beacon
- Dual Satellite Technology
- Separate dedicated battery systems
- GPS Sharing Technology
- Simultaneous Distress Alerting via Cospas-Sarsat and Iridium Satellites
- Two-way Satellite Messaging
- Global Tracking

QUESTIONS



Thank you.....

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