

SARCALL the Irish Journey or a successful lockdown project

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Two part presentation

What is the Sarcall system

What strategies were used for operating and managing the rollout in Ireland



What is Sarcall?

- Sarcall is a web-based system that provides each individual team member and the teams with the following abilities.
 - Messaging
 - Team Member Availability Responses
 - Incident Logs
 - Partner Contact Lists
 - Inter-Team Messaging
 - > Maps
 - PhoneFind
 - Document Resource
- The platform runs on high reliability, secure resilient servers that are diversly located



System History

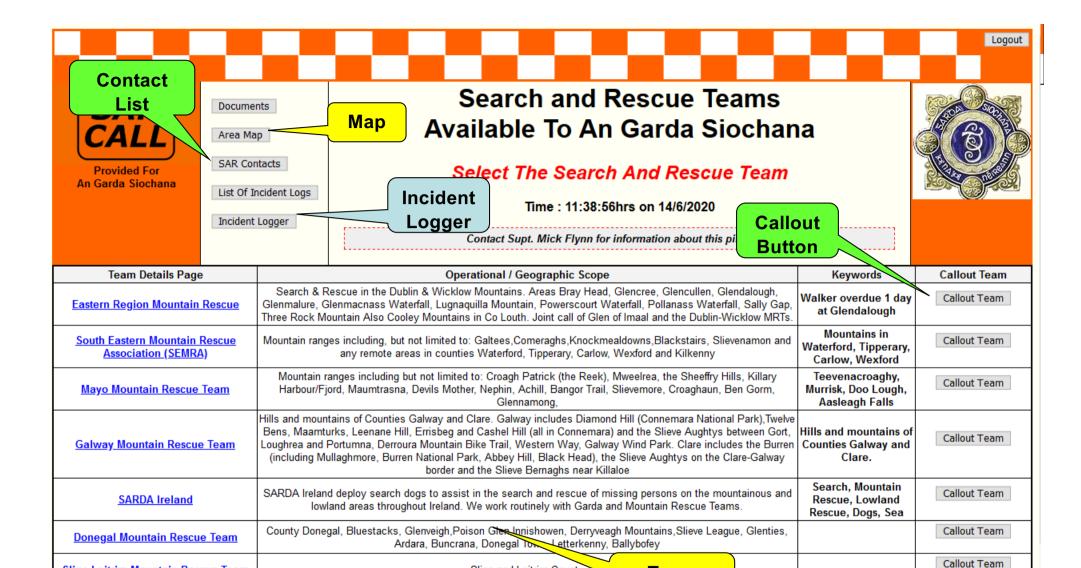
- System developed by John Hulse and colleagues in the UK in 2008.
- Based on SMS technology initially.
- ➤ Irish teams first started using it in 2014.
 - > DWMRT, PSNI, Mournes & NW.
- ➤ Went live with the Garda/ NAS tasking agencies in 2020.
- ➤ All Irish MR teams are on the system, and they can choose at what level they use it.



What does Sarcall do for us?

- ➤ The Calling Authorities (Primary Response Agencies) Garda / NAS can task teams directly from the system.
- ➤ The Incident Log feature allows interaction between the CA and the Team.

> The log can be used as a record of the incident.



Sligo and Leitrim County

Kerry & West Cork

Sligo Leitrim Mountain Rescue Team

Kerry Mountain Rescue Team

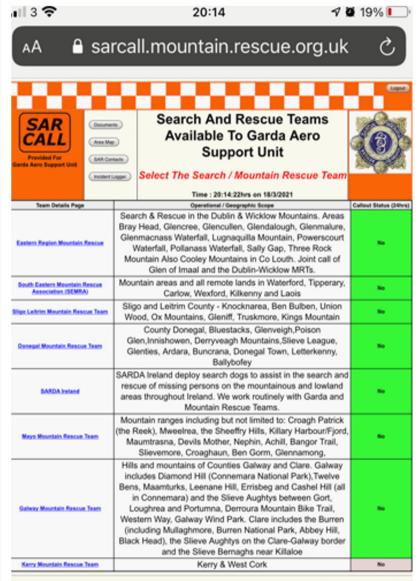
Keywords

Carrauntoohil

Team Summary

Callout Team





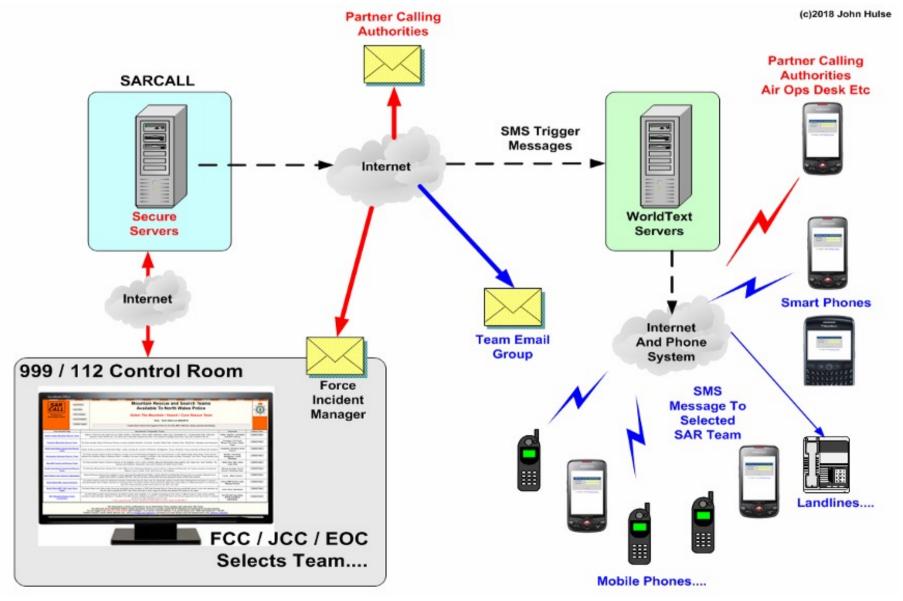
This information is strictly confidential for use by Garda Aero Support Unit together with authorised SAR Teams.

The data must not be distributed without written permission. All server accesses, emails and IP addresses are monitored for security purposes.

You are logged in as Donal McNamara (RA) with Privileges = 3 on Server 1 (Live) from IP Address 95.44.117.205 on port 443 using CA ID = GARDA_ASU with session ID = 2713599 Platform Version 3.11.105 ©2021 SARCALL Ltd. Click to manage your password. If



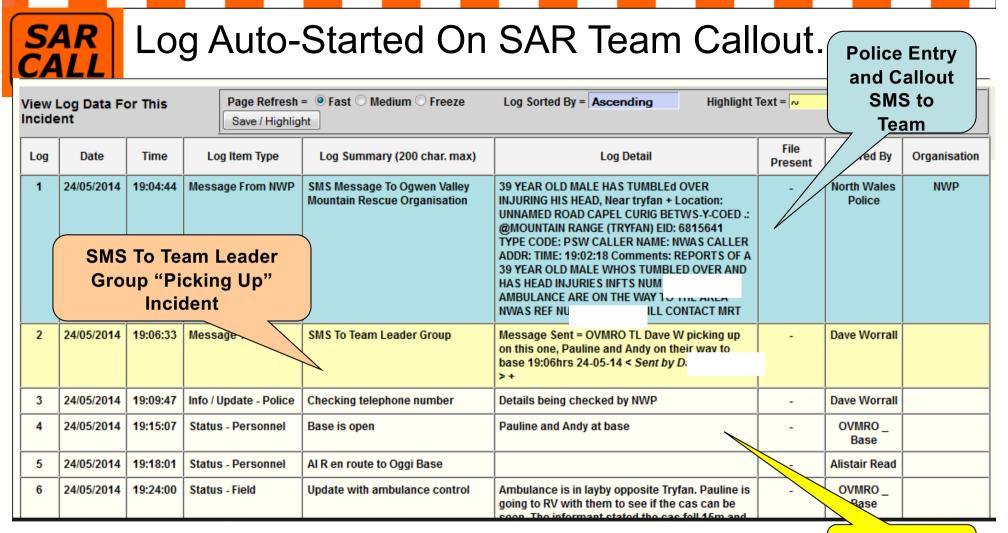
The Callout Message To The SAR Team..





SARCALL Incident Logger Features

- Shared log interaction by Teams and Primary Response Agencies
- Timestamps key operational flow and decisions
- Store files, images, documents, maps etc.
- Remote log updates by SMS are supported
- Access controlled by User credentials (roles-based)
- Soft redaction policy to help manage sensitive data
- Improves tactical situational awareness even during routine ops, not just major incidents.



Log is auto-created when Garda / Ambulance send callout n

TL and Base Entries

Team Leaders log into SARCALL to read Garda / Ambulance mio

Actions and decisions are entered by any User and time-stamped



What a member sees

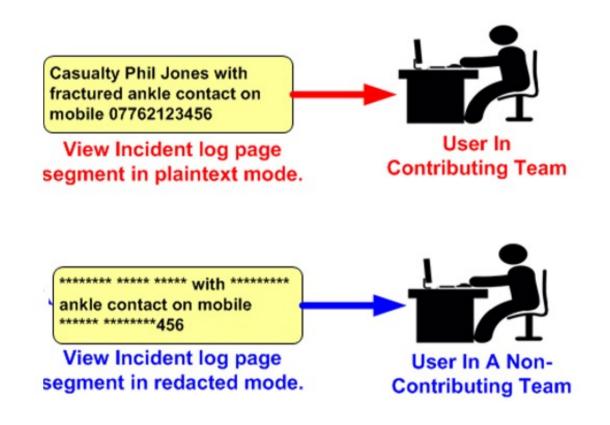
SEMRA [Full Team] GKEL accepting call from AGS for 15 year old injured walker in Ballyhouras. Please standby. Send availability and ETA to SARCALL. Thank you. [Sent by Georgina Kelly at 14:51hrs on 05-09-22]

SEMRA TLs Call Aero medical desk <u>021-4640054</u> Ref. T1234567 Testing that desk phone number correctly configured. No action required 17:15hrs 29/07/20 L @

SEMRA [Full Team] Members planning on attending base opening event on 24 Sep, please indicate availability and time to SARCALL by 10 pm today. Official opening is from 15:00 to 18:30. Thank you. [Sent by Georgina Kelly at 18:30hrs on 09-09-22]

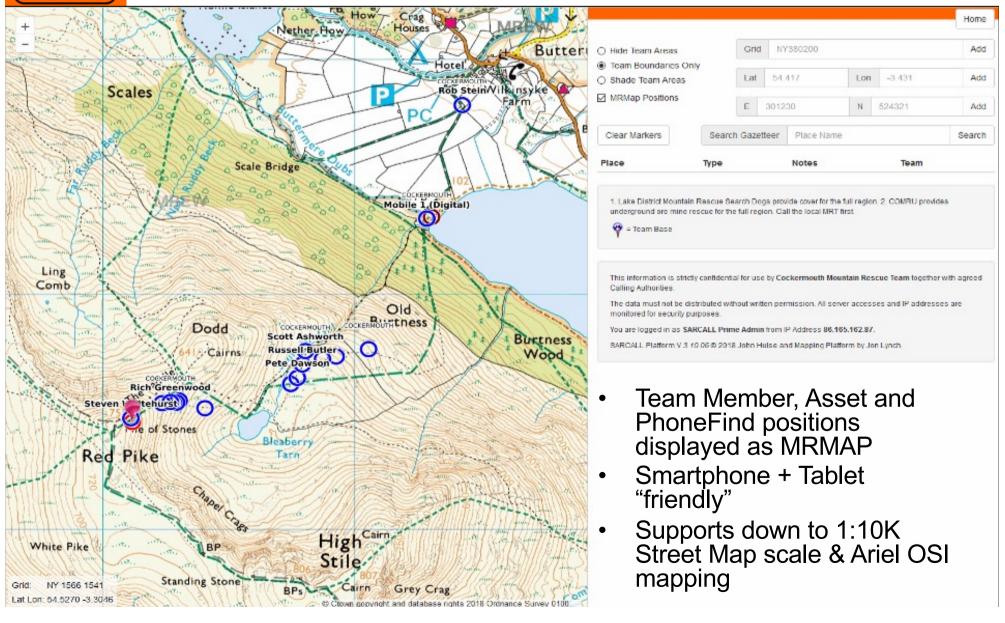


Team Level Log Information Redaction



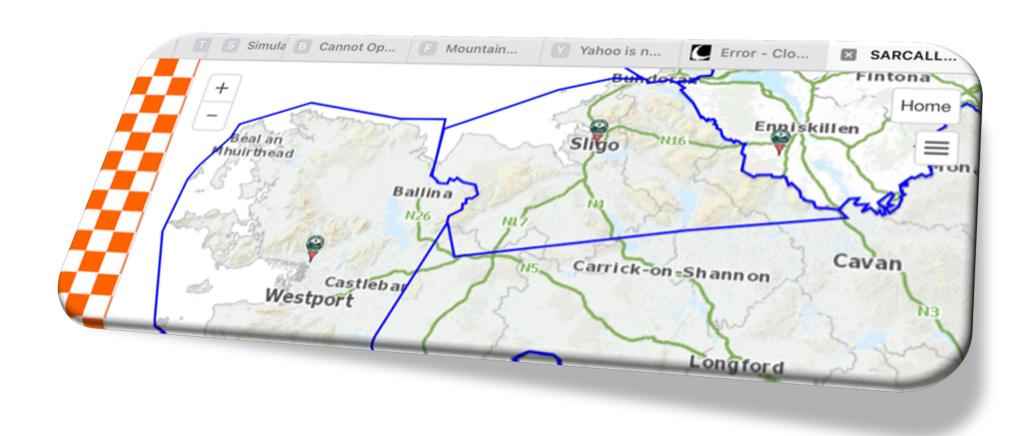


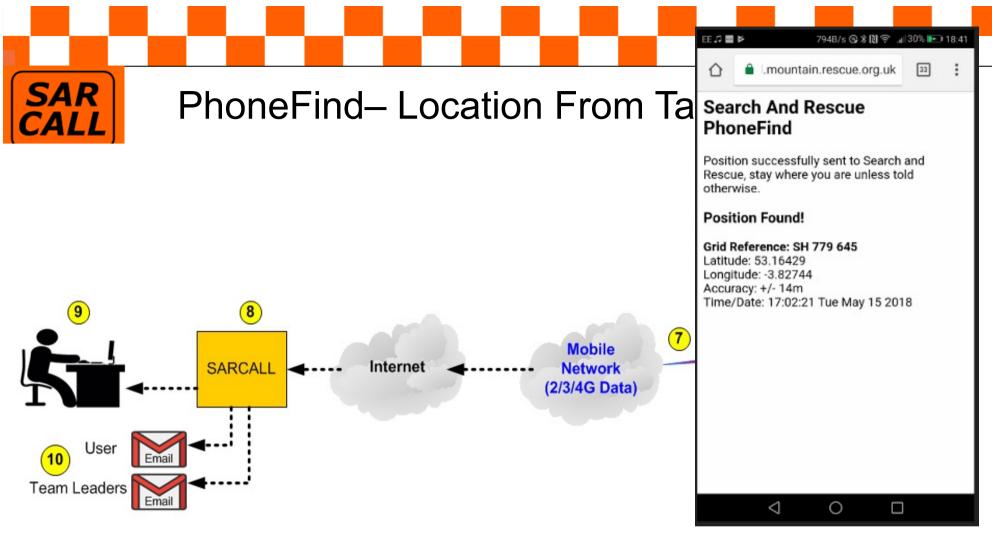
Real-Time Display Of Team Locations On Map





Team boundaries

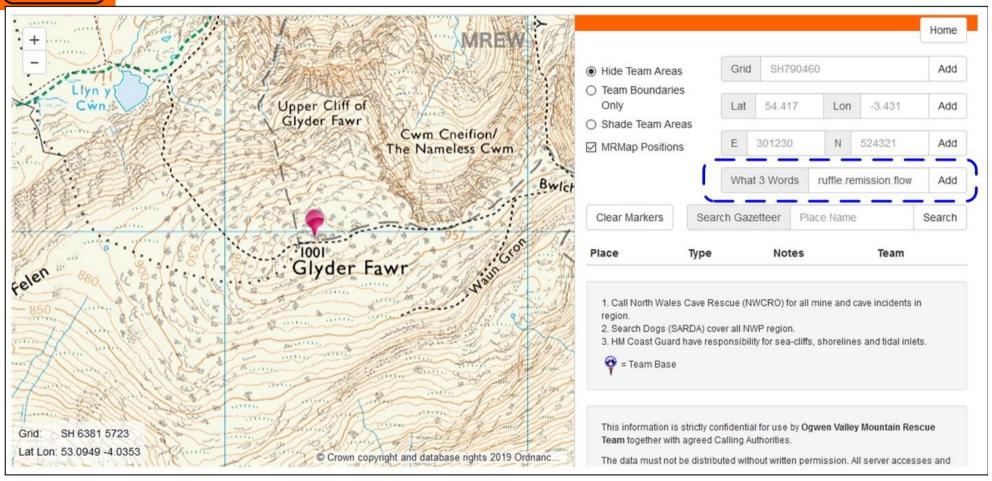




- When Recipient clicks through the link and the position is received on the phone, the result is sent to SARCALL
- User views log and checks email for the PhoneFind report
- All authorised Partners can "see" the location in the log



What3Words (W3W) Integration Into The Mapping Page





What3Words (W3W) Integration In The Incident Log

Page Refresh = ● Fast ○ Medium ○ Freeze Log Sorted By = Descending				
ax)	Log Detail			File
	Location is said to be at OUTER.SPRING.REGAL [decoded in SARCALL as NY066129] with nearest location of Cleator Moor, Cumbria.] or given as Illdimension.fuels.knots [decoded in SARCALL as NY301096] with nearest location of Ambleside, Cumbria.] but unsure that it may be climbing.trek.interviews [WARNING - SARCALL decoded W3W wordset is outside the UK area.] or climbing.track.intervue [WARNING - no matching W3W wordset or location found by SARCALL.] due to poor line.		n as n nearest wordset is	-

- Auto-decodes the W3W content to OS Grid and nearest town.
- Warnings displayed for locations that cannot be found or are outside UK and Rol



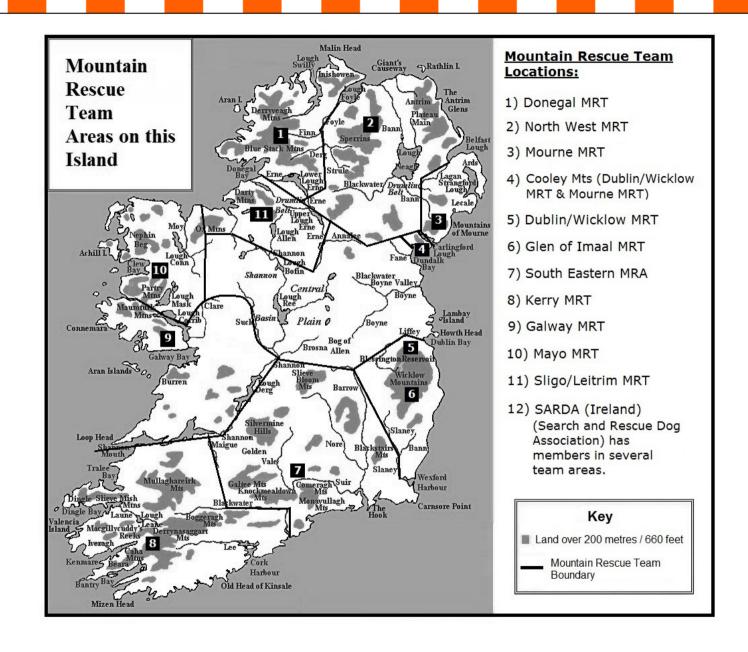
Part 2

What strategies were used for operating and managing the rollout in Ireland

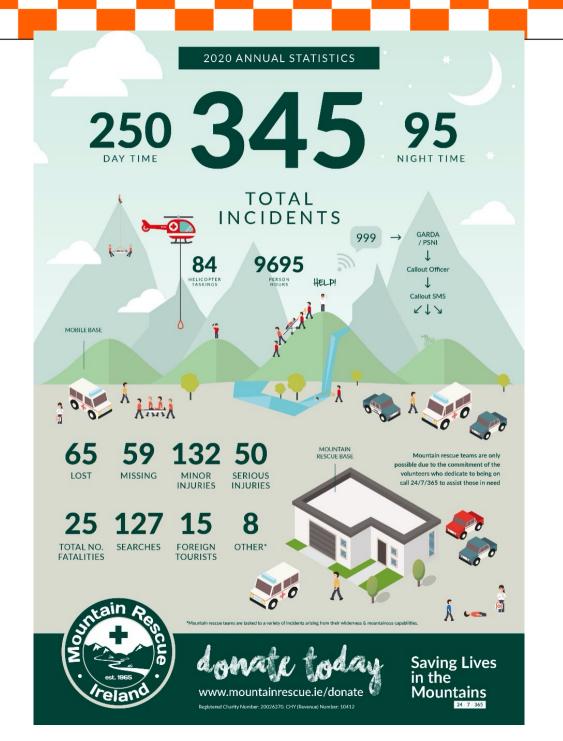














How was this implemented

➤ Why was change required?



Is the time right for change?

- 95% of Irish users had smart phones at that stage, including Team members
- All missing people rang for help
- Teams already using Sarloc
- Reduce potential for wandering calls
- Existing React 'notification' system was reducing functionality

All parties need to be onboard



How was this implemented

Looks like all went live in a year.

But what did it take to achieve that?



Teams required at all levels

At developer level - Regional Admins

Two positions at MRI Exec & TL support

On line weekly Team Admin meeting – main working group



Who was in each team

- 1 to 2 member per Team. Resilience
- Approx. Deputy TL level / influencer in the team
- Tech or project management background
- Formed early, evolved
- Now have entry training and meeting norms



Timelines

- > 12 teams operational in N Wales in 2009
- > Irish teams became aware through conferences
- ➤ MRI appointed an MRI Development Officer Soft skills approach 2015
- ➤ Sarcall appointed a Regional Admin Tech side 2015
- > SARCALL starts in DW and SEMRA
- > Three pilot counties suggested
- > OSI Mapping Service level agreements put in place



Timelines continued

- ➤ Pause for new ECAS and new AGS C+C centres until early 2019 Regional Control centres.
- ➤ All Irish Teams on system by MRI AGM, Donegal in March 2019.
- ➤ Went live in all 4 new C+C centres April 2020.
- ➤ Went live with NAS C+C 17th September, 2020.
- > Training and meetings done on line.
- > REACT closed down in September 2020.
- Continued liaison with AGS and NAS nationally and among the teams.



Team benefits

- One coordinated system.
- Part of the states initial response
- Survived Covid-19
- Survived HSE Cyber attack in 2021



Where are we now

➤ Project phase over

➤ Normal running

- Transitioned to a Licence model
- GASU asked to come on board with 'view' access in 2021
- ➤ Integrated the PhoneFind with the Ireland65 datum in 2022



Lessons Learnt

Good old fashioned project management skills with modern tools work in a pandemic, when everyone has a **common goal**.

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Overall System Use

SARCALL live in

- ➤ 17 Police Forces,
- ➤ 6 major Ambulance Services,
- ➤ 4 Helimed organisations,
- ➤ 6 x HM Coastguard Helicopter Bases,
- > 90+ SAR/MR Teams,
- > RAF Mountain Rescue Teams