SAFER/TOGETHER

The MeshSat Resilience Hub, a MeshSat initiative for emergency meeting points

When the masts go dark, the meeting point still gets the message out.

Any smartphone, no app. A short message leaves the emergency meeting point by satellite, and what people need to know is on the point's own page, with no mobile network and no internet behind it.



Masts down · Any smartphone · WiFi page · MeshSat kit · Satellite · Crisis team

Berlin, January 2026

Not even emergency calls got through.

> 100,000 people in 45,000 households were without power for days after an arson attack on 3 January.

> Mobile masts held for about 30 minutes.

> Of the 45 emergency meeting points Berlin had announced, just under a third were ready.

Sources: berlin.de, 11 August 2026; KOMMUNAL on the Berlin expert commission, 7 July 2026; BAKS working paper 2026, citing the Berlin audit office; Tagesspiegel, 30 June 2026; the Berlin Senate's answer of 24 April 2026.

Europe now urges every region to plan for the first 72 hours.

The Commission's guidelines are recommendations, not binding rules. We build MeshSat to help meet them; we are not affiliated with the Commission. Here is what the EU texts say, in their own words.

“The first 72 hours of a crisis are critical.”

Commission guidelines on population preparedness, C(2026) 8250, 30 October 2026. They name communication among the essential needs a household has to meet.

“Reinforce crisis and emergency communication with citizens … to ensure a capacity to reach citizens under all conditions.”

Sauli Niinistö, Safer Together, report to the President of the European Commission, 2024, recommendation 2.

“… to ensure redundancy and reduce the risk of a single point of failure.”

Niinistö report, box 6, on multi-channel alerting.

Towns across Europe are already setting up these points.

Emergency meeting points

Notfalltreffpunkte, Baden-Württemberg

The state's own advice: when phones stop working, you leave your emergency message at your Notfalltreffpunkt.

notfalltreffpunkt-bw.de

Emergency support points

Noodsteunpunten, the Netherlands

Groningen's pilot plans for a 72-hour power cut in which 112 can't be reached. Practical tests with residents on 7 and 14 November 2026, €580,000 for 2026.

Veiligheidsregio Groningen, progress report, 2026

The gap: the point can't get a message out for everyone.

What a meeting point usually has

- Power: a generator or a battery station
- Light, heat, a megaphone, a battery radio to listen
- A satellite phone: one caller at a time
- An internet dish: works while it has power and its service is up
- Radio amateurs who pass the emergency calls on

Baden-Württemberg's model kit for its meeting points: generator, lights, megaphone, DAB+ radio.

What is missing

A way for every visitor to send a short message out with their own phone, get the reply, and look up what they need to know, when there is no mobile network and no internet.

What MeshSat adds to the meeting point.

1

A page, not an app

A visitor joins the point's WiFi and a page opens on their smartphone. They write a short message to family or to the crisis team.

2

Out by satellite

A volunteer approves it, and the kit sends it over Iridium satellite. No mast, cable or internet has to work.

3

Delivered, and answered

The message arrives by SMS or email. The reply comes back to the same page, under the visitor's code.

4

The points stay linked

Volunteers between points talk over LoRa radios. Radio clubs and rescue teams can join over APRS, TETRA or DMR.

Where an internet link is up, MeshSat uses it. When it's down, text still goes out.

Look things up at the point, even with no signal.

When the network fails, people come to the point with questions: what happened, where to get water, what to do with a generator, how to reach family. On the point's own page they look it up on their own phone, with no app and no account, so the volunteers' time goes to what only people can do.

Your words first

The page opens with what your crisis organisation wants people to know: the point's hours and services and your region's own texts. You choose what is on it, and it is loaded before the crisis.

Official advice and the map

The national preparedness advice for residents, a map of the area with the way to the next point, and the safety basics people ask about: what to do in a power cut, generators and carbon monoxide, medicines and medical devices.

A reference library

Wikipedia in Dutch, German, Greek and English, a medical encyclopedia and travel guides: tens of gigabytes of knowledge that need no signal, marked clearly as reference, not official advice.

How MeshSat helps meet the EU's recommendations.

What the EU texts recommend	What MeshSat does
Communication as an essential need in the first 72 hours C(2026) 8250, action 28	Anyone at the point sends and receives short messages without a mobile network
Reach citizens under all conditions Niinistö, recommendation 2	Messages in and out over satellite, LoRa, SMS and radio when the masts are down
Several channels, so one failed link doesn't stop the message Niinistö, box 6	Each message goes over whichever link works: satellite, LoRa, SMS, APRS, TETRA or DMR
Planned channels and regular exercises C(2026) 8250, action 27; Niinistö, box 6	We bring a kit to your exercise and run it with your volunteers
Accessible formats and languages C(2026) 8250, actions 27 and 33	A plain browser page on any smartphone, in English, German, Dutch and Greek
Volunteers and mutual support between households C(2026) 8250, action 28	Volunteers between points on LoRa radios, one message flow for all
Schools as community resilience hubs C(2026) 8250, action 29	A school can host a point: the kit comes in one case

Not ours: food, water, medicine, power, education campaigns, and anything military. MeshSat is civil only.

What we offer.

An exercise day

We bring a kit to your next meeting-point exercise and run it with your volunteers, the messages and the offline library on their own phones. Afterwards you get a short written summary of the day: how many messages went out, how long they took to leave and how long the replies took.

Invite us to your next exercise

A funding-ready quote

A one-page quote for the kit, the message page and the offline library with your own texts, for your town to attach to its funding application.

Ask us for a quote

A small team in Leiden, the Netherlands, EU.

Kyriakos Papadopoulos founder and lead engineer

Elli Zafeiridou Georgiadou co-founder and project manager

George Zafeiridis public relations and communications

Civil only. We don't work with organisations that develop, produce, integrate or operate weapon systems. Read our Mission and Use Policy.

Invite us to your next exercise.

hello@safertogether.eu
safertogether.eu
meshsat.net

Sources

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