

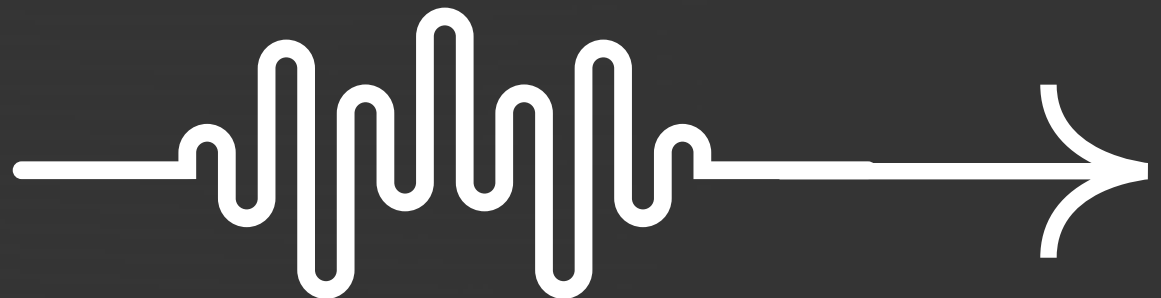
EU regulations



# Digital Networks Act (DNA) proposals



# On public warning dissemination channels



# Cell broadcast

Mandate Cell Broadcast as the universal immediate-alert channel.



## Emergency Alert

National Weather Service:  
A flash flood warning is in effect along the Mile River until 4:45 PM CET. Do not travel by car or foot unless evacuating flooded area or under an evacuation order. Refer to [flooding.service.gov](http://flooding.service.gov) for updates.



*Blasts every phone in the zone instantly. Loud and unignorable*




## SMS or Mobile app

Mandate a persistent messaging channel alongside Cell Broadcast.

JAN  
03

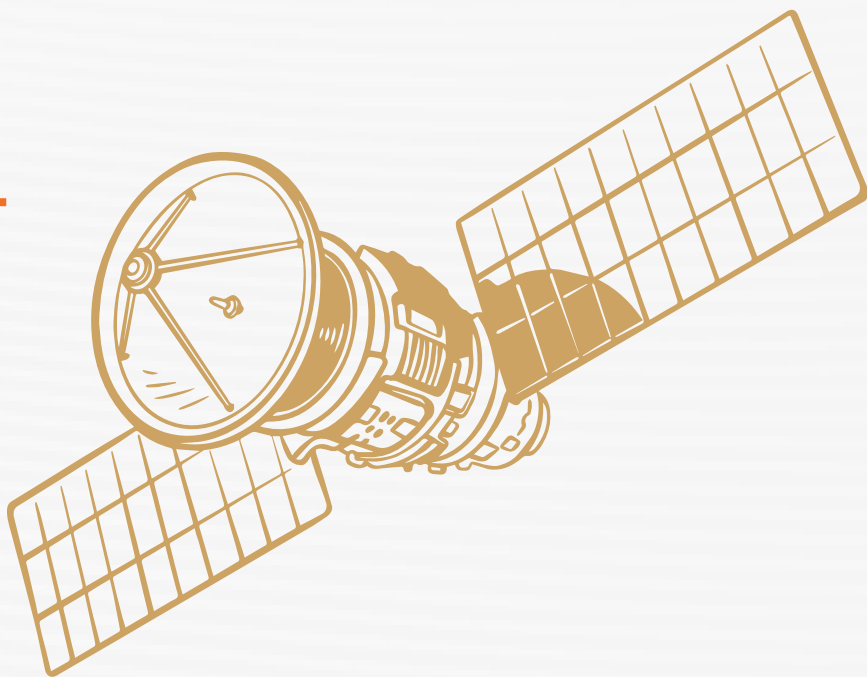
**Emergency alert**  
Severe flood warning issued.



*Persistent and  
informative  
message with links,  
and easy sharing*

# Satellite

Mandate Galileo satellite alert channel by January 2030, mandatory by 2033.



*No blind spot,  
no dependency  
on ground  
infrastructure*

## EU cooperation

Establish an EU-wide alert database for cross-border notification continuity.



*Uninterrupted  
cross-border  
notifications*

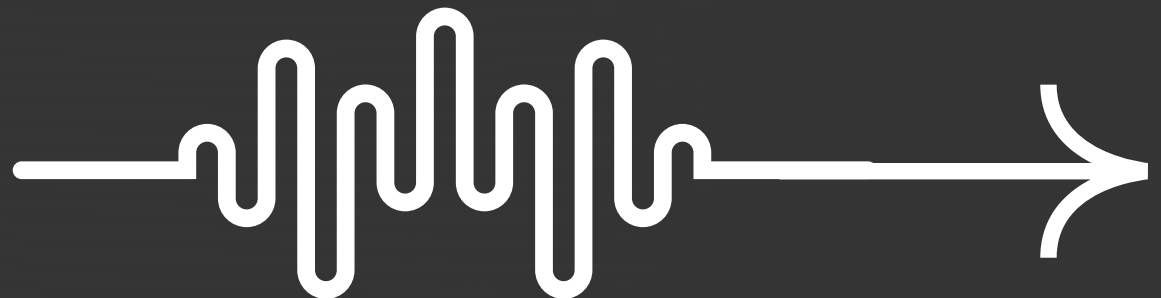
# TV, sirens, social media...

Leverage traditional and digital channels as complementary dissemination layers.



*Maximise reach  
across all  
audiences*

# On situational awareness for resilience

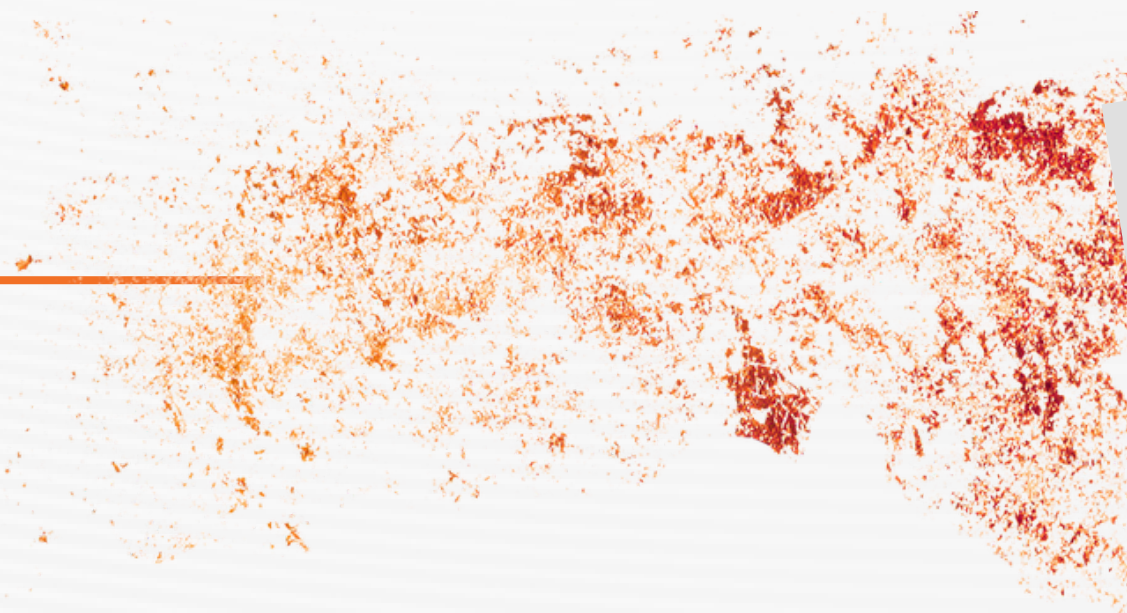


RECOMMENDED



# Population density

Provide real-time aggregated population density data.



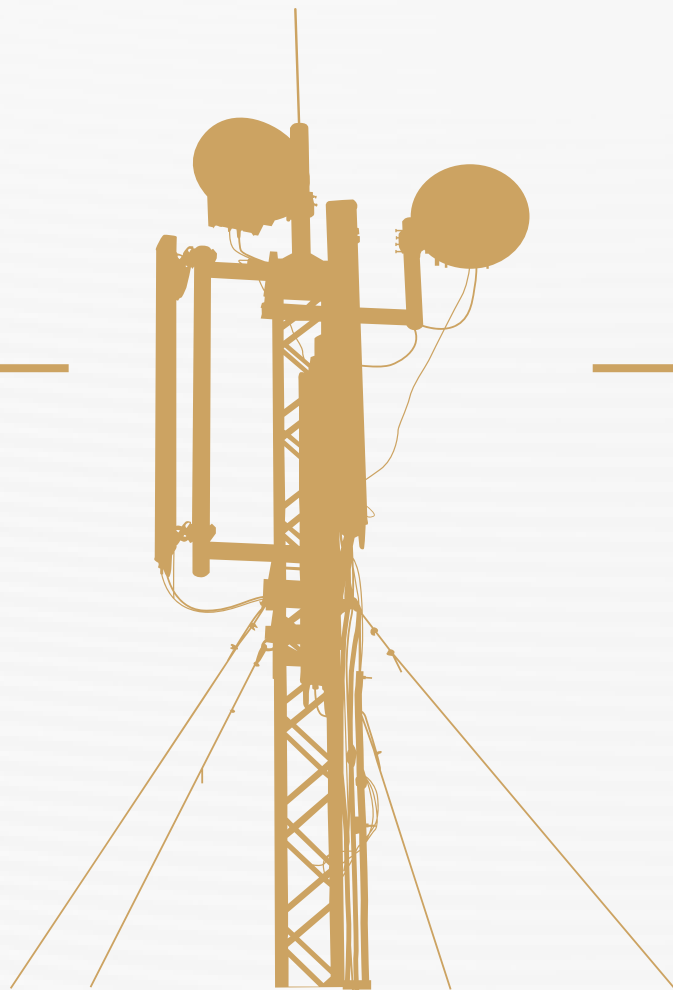
*Size the alert and  
verify evacuation  
in real time*

OPTIONAL



## Network availability


Provide a real-time network state feed for alert broadcast capability.



*Confirm broadcast capability before launching an alert*

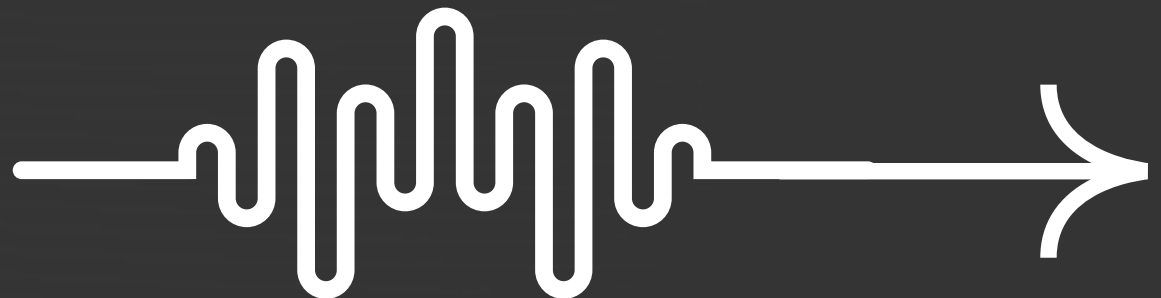
# Peaks in emergency calls

Report locations with high concentrations of emergency calls.



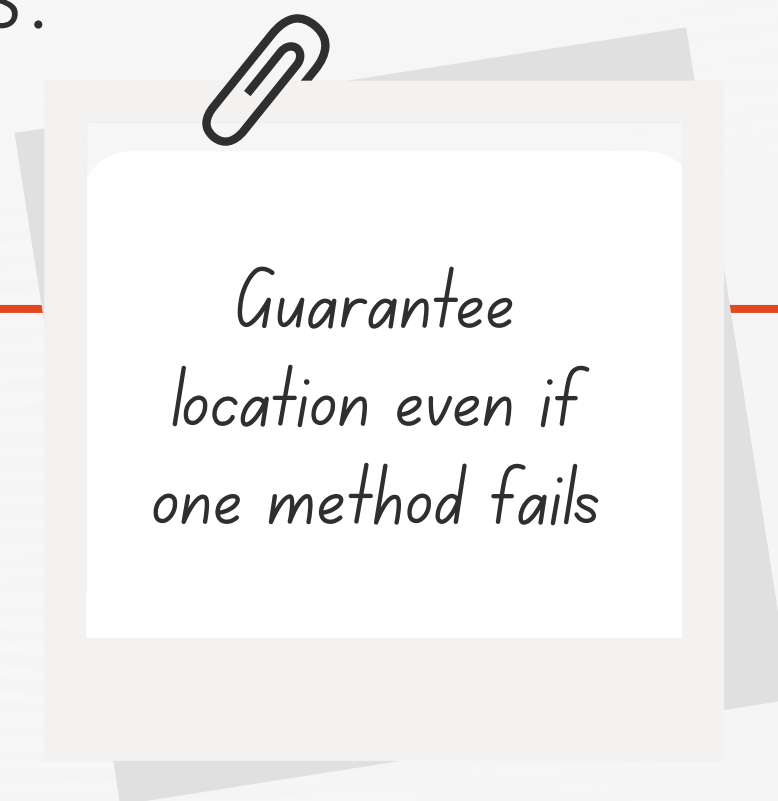
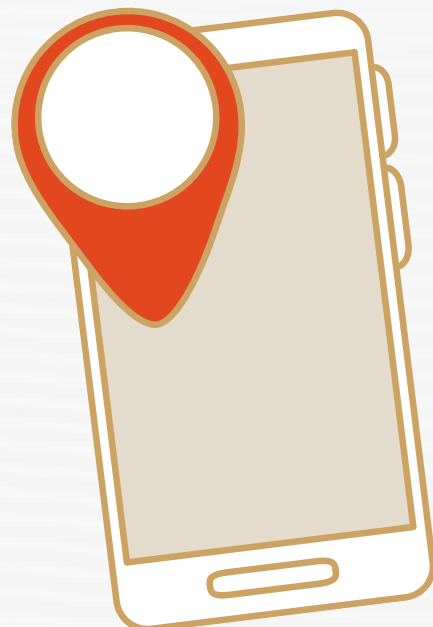
*Spot distress zones to prioritise rescue deployment*

# On locating emergency callers



## Network & AML location

Mandate combined use of network-based and AML location for all emergency calls.



*Guarantee  
location even if  
one method fails*

A graphic of a notepad with a paperclip at the top. The notepad is white with a grey border and is attached to a larger grey rectangular background. The text is handwritten in black ink. A horizontal red line is positioned above the notepad.

MANDATORY



## Location accuracy

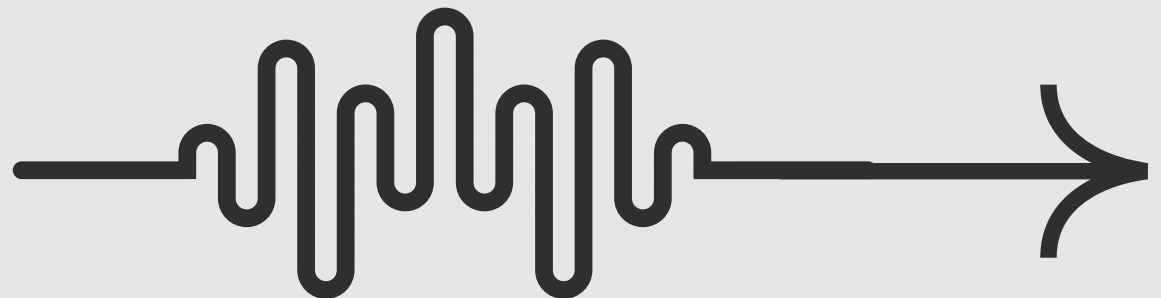
Mandate 50 meter accuracy for 80% of emergency calls.



*Dispatch directly to an address, no time wasted*


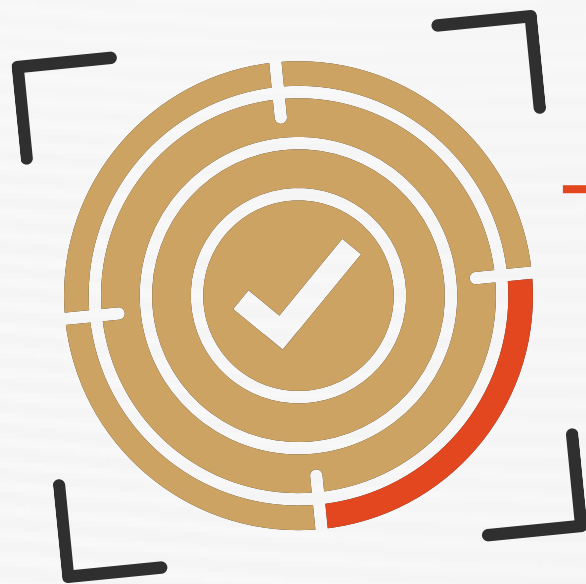
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# Network-based geolocation



# Cell & subcell location

Mandate cell-level location as the universal baseline and sub-cell location to guarantee accuracy.



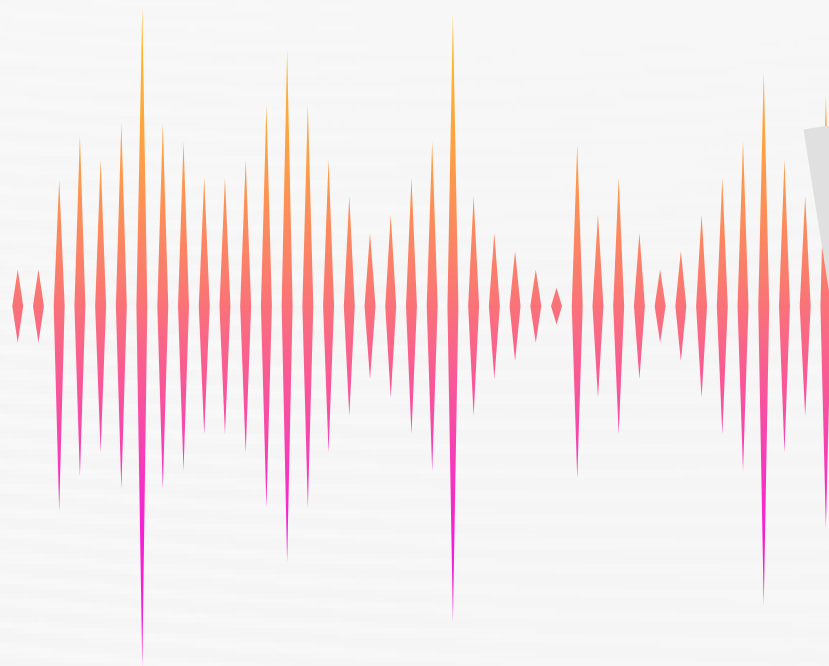
*Universal baseline  
& guaranteed  
precision indoors*

OPTIONAL



# RF Fingerprinting

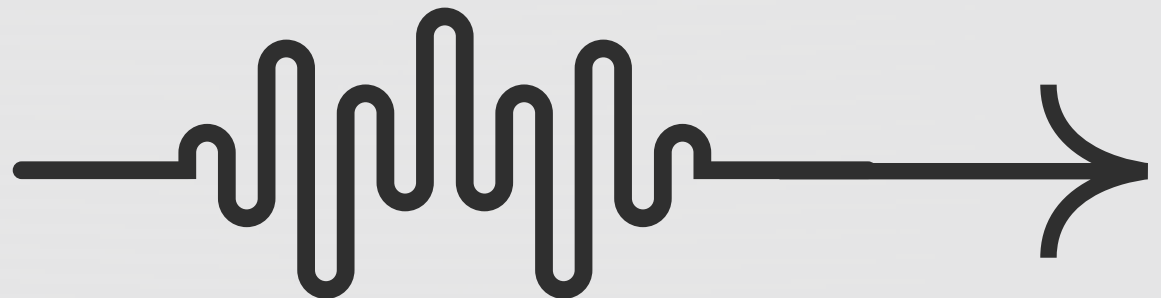
Activate RF Fingerprinting for highest-accuracy zones.



*Highest accuracy  
in dense or high-  
stakes areas*

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# Handset-derived location (AML)




MANDATORY



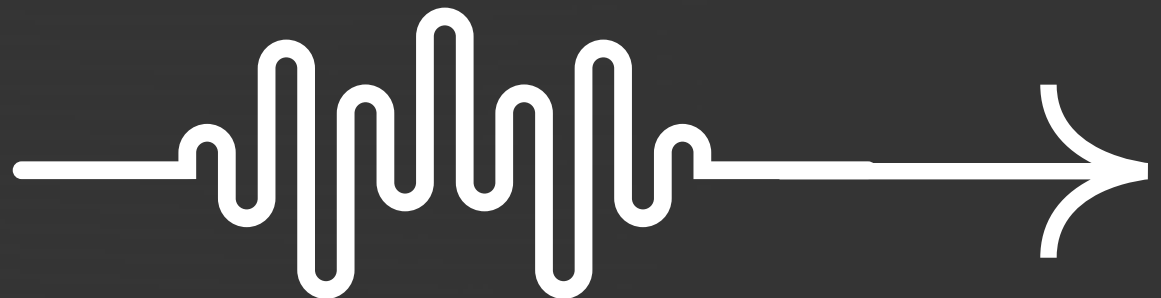
## AML on all EU devices

Mandate AML activation for all devices sold in the EU.



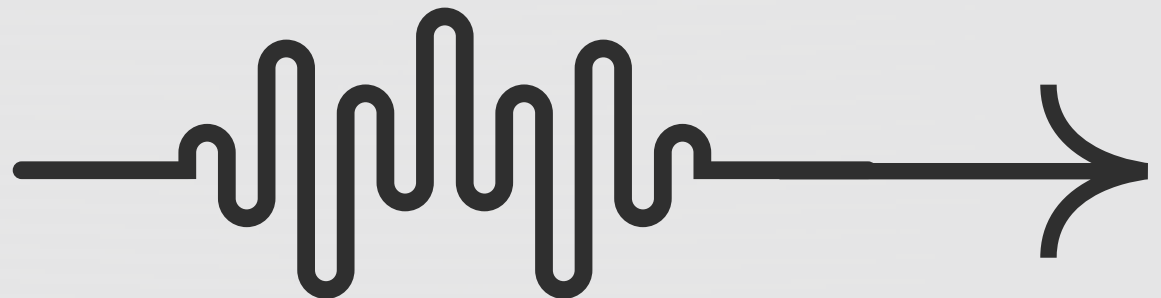
*Ensure emergency location works regardless of US platform choices*

# On homeland security



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# Active geolocation

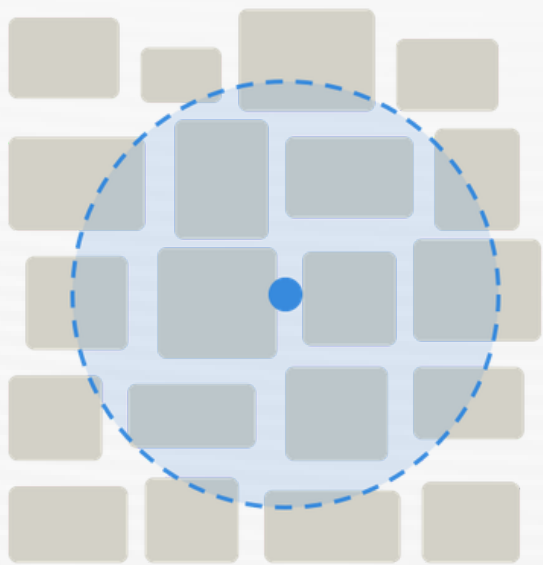


MANDATORY



# Cell accuracy everywhere

Mandate cell-level active geolocation on all EU mobile networks.



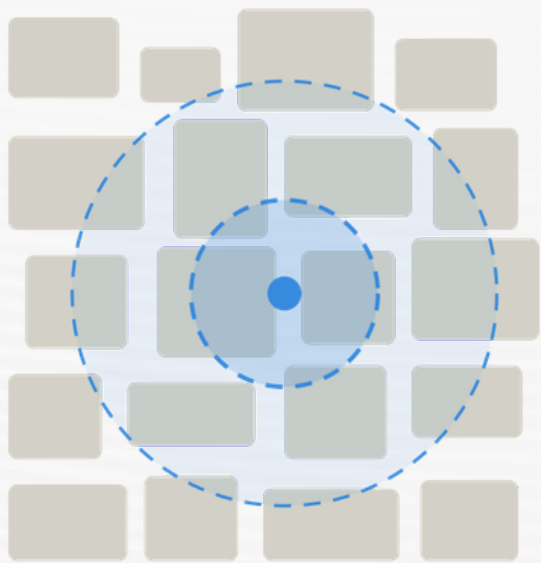
*Locate any device  
on demand, across  
the entire EU*

MANDATORY



## 3GPP subcell accuracy

Mandate sub-cell active geolocation and device-level 3GPP support.



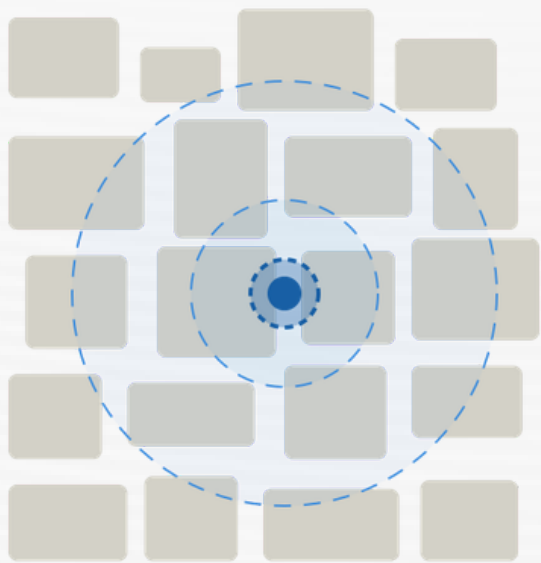
*Operational  
precision for  
critical  
investigations*

RECOMMENDED



## RF Fingerprinting

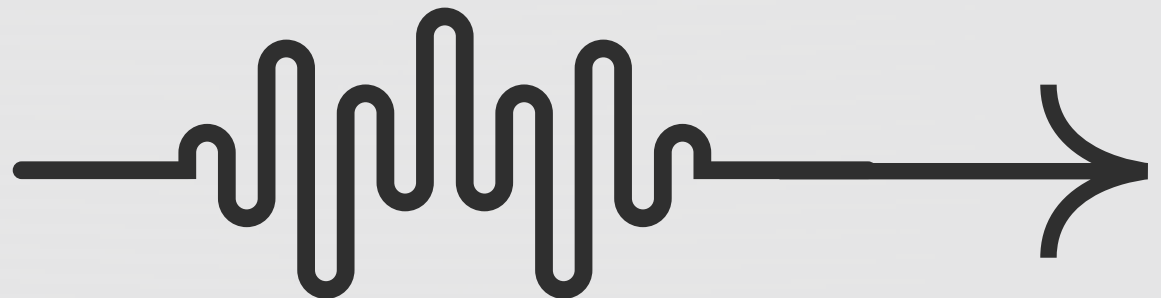
Activate RF Fingerprinting for highest-accuracy requirements.



*Maximum  
resolution for  
priority targets*

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# Passive geolocation

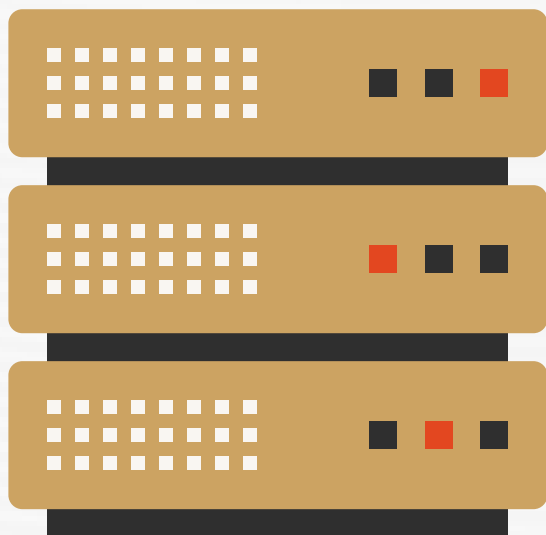


MANDATORY



## 3-month passive location

Mandate passive cell-level geolocation & minimum data retention of 3 months.



*Retrospective  
location tracking  
for law  
enforcement*

# European technology that matter



Europe cannot afford to leave the safety of its residents dependent on the voluntary goodwill of foreign platform vendors. The DNA is the opportunity to change this.

**ACCESS FULL  
POSITION PAPER**

