



TPEG2-EAW from the user's perspective & public authorities requirements



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The german system of public warning

One common task, shared responsibilities



The federal level

civil protection, cyber attack, weather, sea traffic, ...



Federal Office
of Civil Protection and
Disaster Assistance



Federal Office
for Information Security



The federal states' level

general disaster management such as...

- fire hazard
- natural hazards
- severe industrial accidents



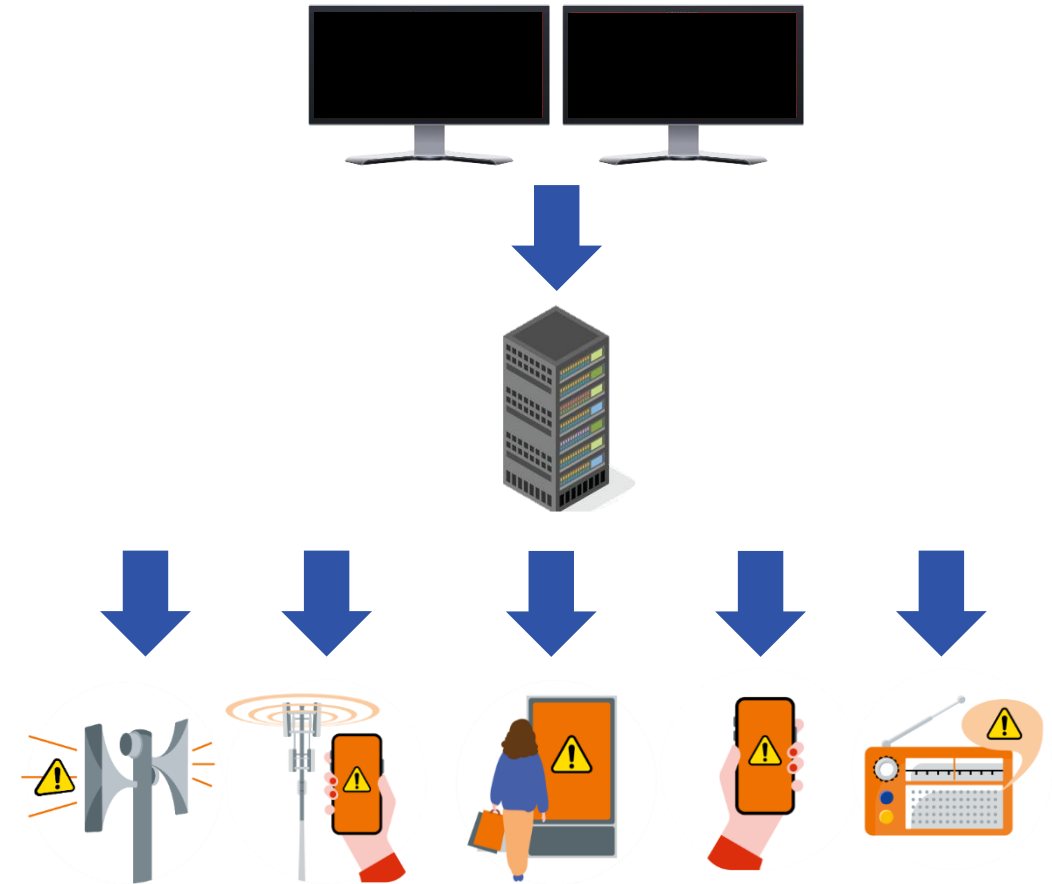
The german system of public warning

Common practices

- alert levels 3 – 1 (less severe – severe)
- pre-defined response times
- recommendations for immediate actions

Central system for warning dissemination

- Modular Warning System – based on CAP
- one system for all responsible institutions
- multi-channel approach



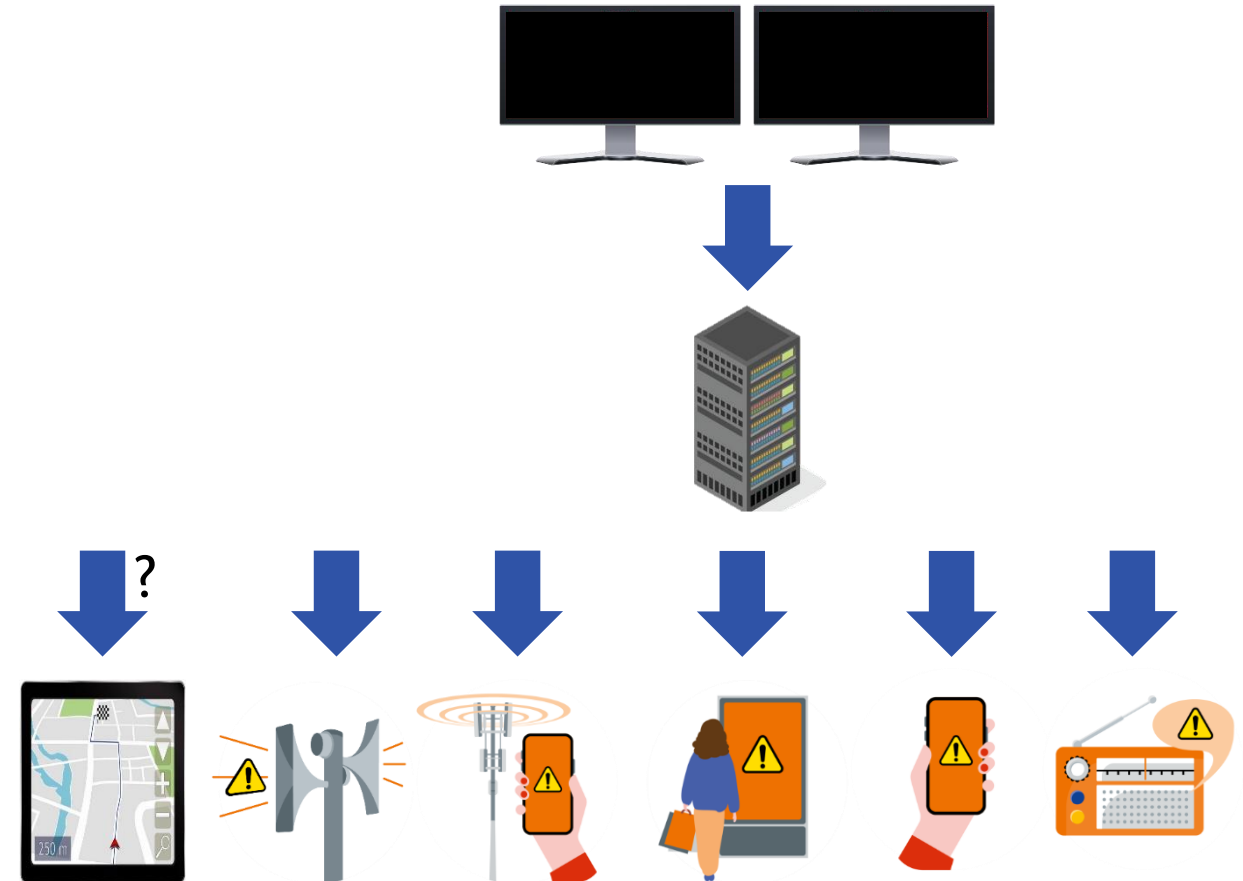
The german system of public warning

Common practices

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Requirements for public warning in the warning system

The most important are:

- capability to process CAP
- end-2-end latency
 - level 1 < 1 Min
 - level 2 < 10 Min
- capability of parallel warning chains
- accuracy of the warning area
- good and useful user interface
- ...

TPEG2-EAW and the german warning system

German field trial

Setting the stage for TPEG2-EAW

- research project funded by EU ISF
- sub-project new warning disseminators

Goal of the field trial:

- **ensure effectiveness and compatibility**
- **prepare implementation**

Achievements:

- technical specification SP19006
- **evaluation in field trial 2020-2021**
- optimization into SP22001



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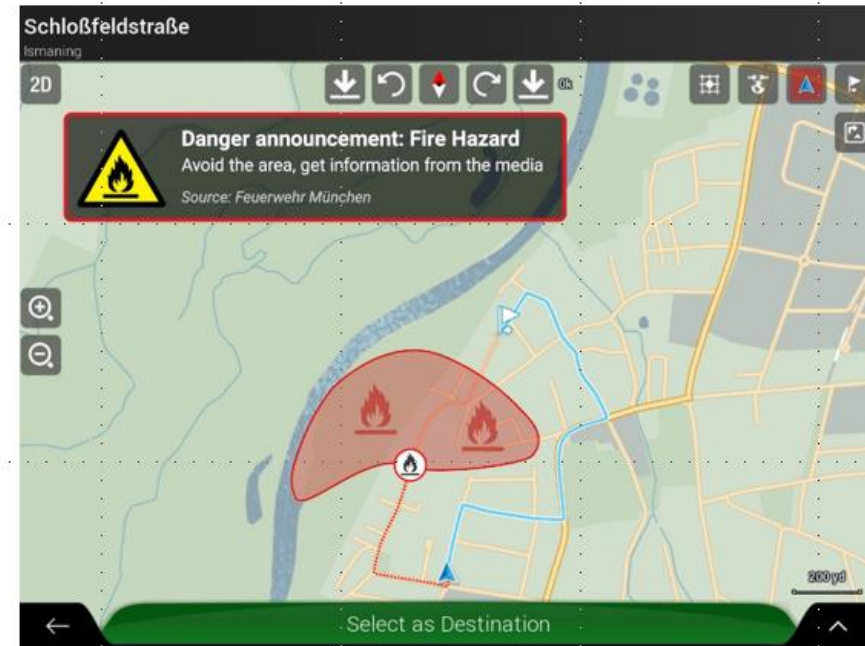
Dieses Projekt wird aus Mitteln
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der Europäischen Union kofinanziert.

TPEG2-EAW and the german warning system

German field trial



Concept prototype



Mock-up final navigation product

TPEG2-EAW and the german warning system

German field trial

Questions	Achieved	Party achieved	Not achieved	Not evaluated
13	5	3	0	5

Main results

- 62% of criteria met
- low-latency dissemination possible
- best practices CAP-TPEG2 conversion
- **TPEG2-EAW works within the german system...**

TPEG2-EAW and the german warning system

German field trial

...and we would like to support the further implementation of TPEG2-EAW and the resulting warning device in order to warn the population via various important channels.



Thank you for your kind attention!

Contact

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Federal Office of Civil Protection and Disaster Assistance

Crisis Management Division

Department Warning the Population



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