

Alert Drivers And Travelers - Aggregated European Modular Data System (AEMDS; "ay-ehm-dee-ess")

- Key Challenges for Public Authorities to Alert Drivers
- Initial situation
- Requirements
- Strategic goal for AEMDS
- Core functions of AEMDS
- AEMDS system overview

Key Challenges for Public Authorities to Alert Drivers



Beyond Phones

Alerts must reach drivers beyond mobile phones.



Driver Needs

Alerts must be concise, clear, and minimally distracting.



Current Systems

Lack integration and real-time communication.



Conclusion

These challenges highlight the need for a robust network solution beyond national borders

Initial Situation



Requirements



Strengthen Collaboration

Enable efficient collaboration of alerting and warning authorities, including cross-border interactions, through flexible integration of interface participants, even internationally.



Provide Overview

Comprehensive overview of all available warning data.



Ensure Transparency

Transparent monitoring of data deliveries.



Enhance (Failure) Security

Highly fail-safe servers and secure data connections, validation, and flexible processing of data, formats, and volumes.



Improve Reporting

Powerful, comprehensive reporting. Revision safe archiving for legal purposes.



Enable Scalability

A scalable system that can be flexibly expanded to include additional partners and data formats.



Provide Data in usable Form

Supplying all needed Data in the Format und through distribution channels the recipient requires



Strategic Goal

Introducing the Aggregated European Modular Data System (AEMDS)

*A Game-Changer in Global Alert Management:
Think Beyond Borders.*

- Internationally deployable & expandable
- Security & reliability
- Real-time transparency for authorities
- Versatile IoT integration
- High-performance data handling
- A key component for data security

Goal

Core Functions



Secure Data Transmission

Verification of interface participants and data through authentication procedures according to BSI standards



Monitoring

Real-time monitoring of data processing and notification



Conversion

Data exchange between all connected warning systems



High Availability

High fault tolerance through a geo-redundant system



Validation

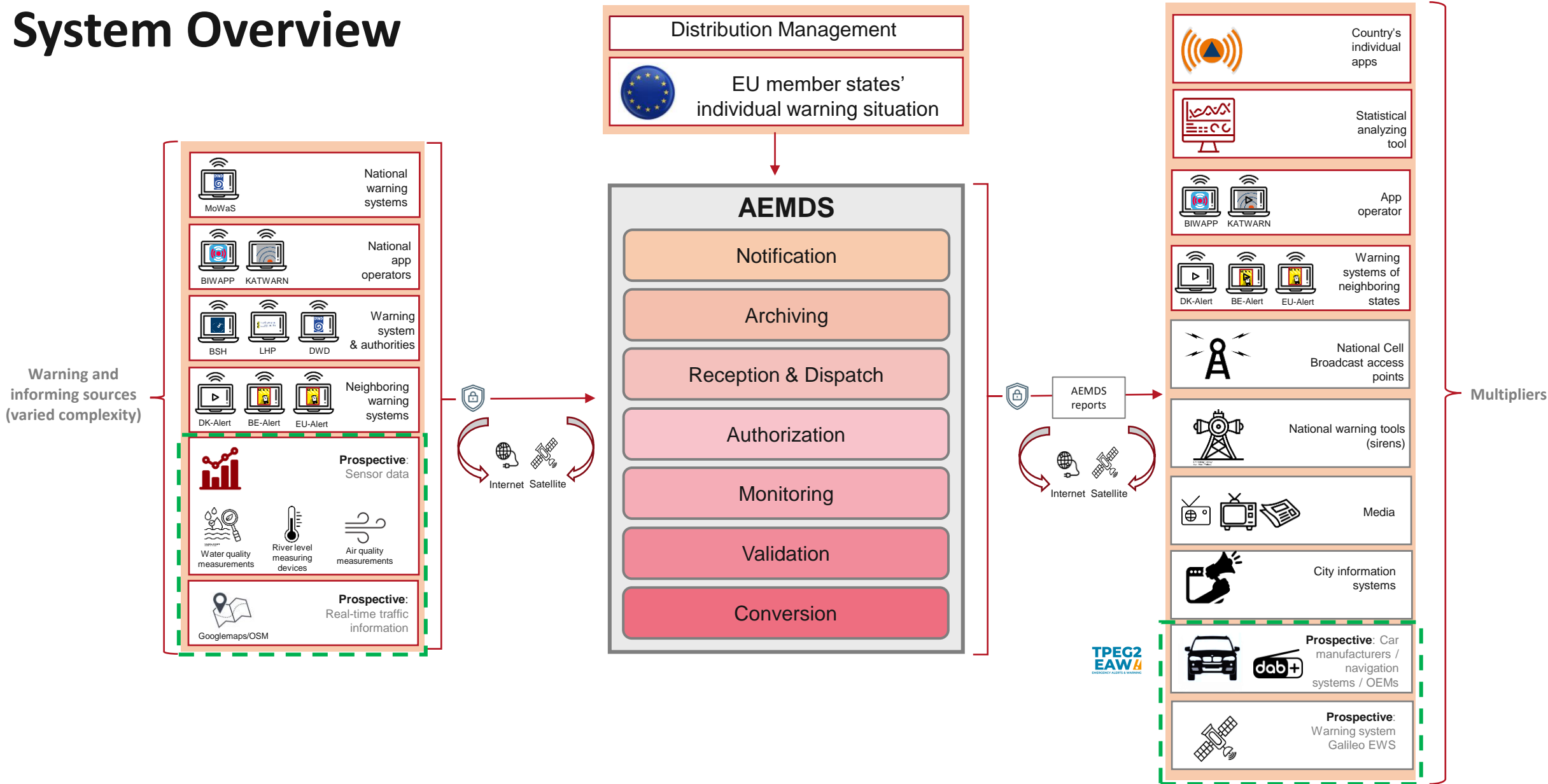
Automated verification of data contents and repair for non-critical fields



Archiving

Archiving of messages as well as documentation of all processing steps

System Overview



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Questions?

Aggregated European Modular Data System (AEMDS)

Thank you!

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