Drm Drm Smart Radio Accessible to All

DRM Digital Radio Social Benefits Emergency Warning Functionality (EWF)

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Radiocommunication Sector



Radio and Emergencies Warning – An Enduring Partnership

- Broadcast Radio –
 part of governmental emergency plans for more than 100 years
 > Trust in 'legacy media' remained stable or even increased since
- DRM Digital Radio Benefits in times of crisis:
 - Serves all coverage needs from local to international (FM / AM)
 - Closed broadcast infrastructure reliable information source
 - Robust tx infrastructure (e.g. backup power), can serve affected areas from outside
 - Ubiquitously and freely available to listeners any time & everywhere





DRM Emergency Warning Functionality (EWF)



DRM Applications in Focus: Emergency Warning Functionality (EWF)



DRM EWF enables an essential service: reaches the affected people reliably, with automatic rx wake-up/retune, enables detailed multi-lingual text infos / instructions



DRM Digital Radio for Emergency Warnings – Disaster Stages





Digital Radio provides essential services in all these stages, as it:

- a) reaches the affected people reliably
- b) enables detailed multi-lingual text infos



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Emergency Warnings – Why DRM Digital Radio?





DRM Digital Radio is an **Open Standard** and **has all required tools built-in** for a quick and complete mass-notification in case of disasters / catastrophes

"Digital Radio Mondiale (DRM) natively supports emergency alert signalling (... EWF). DRM receivers are triggered to re-tune automatically to an emergency transmission (including optional auto-switch-on) while flashing the screen and increasing the audio volume."

ITU-R Study Group 6 chair Yukihiro Nishida - Advantages of radio broadcasting in emergency and disaster situations



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DRM Emergency Warning Functionality – How it works



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- Enables provision of very detailed information
- Serves non-native speakers / travelers
- Serves the hearing impaired

IGITAL radio mondiale



Emergency Broadcast

Information in English

What is going on?

What do I need to do?

Where can I get help?

What is going on? A major tsunami is expected for the Shanghai region at 16:00 today. The tsunami will hit the

What do I need to do? 1. Move away from shore! 2. Evacuation has started. Find the nearest meeting

point: Look for green



DRM Application: EWF – Emergency Warning Functionality





DRM Public Signage Service Developed by Fraunhofer IIS, Germany



- Based on Journaline a standard DRM feature, text content accessible with every suitable DRM receiver
- Enhances Journaline text content with layout style indicators (design+graphics)
- Can reference article images/photos
- article images, CSS styles, background graphics
- Supports EWF: activates audio, cycles through EWF information





DRM ADDITIONAL RESOURCES

ewf.drm.org



All you need to know about DRM Digital Radio

DRM Handbook Version 5

Free download from: handbook.drm.org

All DRM Information at your fingertips: pocket.drm.org





www.drm.org

DRM Smart Radio Benefitting All Listeners



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