

EBU-DRM Conference Geneva, 26th November 2009





http://tech.ebu.ch/



Welcome Note

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A Hearty Welcome to the EBU-DRM Conference!

- ▶ DRM is a state-of-the-art digital system for the 21st century!
- > DRM is more than audio in excellent quality. It is about data, services and more choice for the listener!
- DRM is more than efficient technology only it is about content too!
 Can EBU, ABU, national broadcasters and organisations pull together to get us all in the digital radio age?
- > DRM needs to be part of any digital receiver (the global standard that can dovetail with any national digital option)!





DRM - Digital Radio Mondiale System

➤DRM System (DRM30 and DRM+): Global open standard for digital radio

- Serving SW, MW, LW and band I/II (FM)
- Covering large areas but also great for rural and local markets and on the move
- A low power community or event radio
- Complements and works seamlessly with DAB and other standards





DRM – Digital Radio Mondiale Consortium

▶DRM Consortium founded in 1998

- non-commercial,promotes the adoption of the DRM standard
- around 100 members
 incl. broadcasters, manufacturers, network operators, regulators, research institutes, etc.



What can DRM (DRM 30 and DRM+) offer?





➤ Automatic tuning

- → by station name, no longer by frequency
- → re-tunes when leaving coverage area
- Good coverage area and robust signal
 - → supporting SFN (single frequency networks)

➤ Per-device IPR cost:

One-time license fees, part of device cost

→ No running royalties for broadcasters!

More choice for listeners

- → up to 4 programs on 1 frequency
- → simulcast analog / digital

Excellent audio quality

- → no distortion
- → stereo and 5.1 surround sound

Added features

→ Journaline text, EPG, images, traffic info, ...



Updates on DRM –The Open Worldwide Digital Radio Standard



- ➤DRM+ extension (DRM in band I/II) and Surround Sound ready (Aug 09)
- DRM Profiles –
 on the way to a global receiver (Sep 09)
 - Aimed at creating
 vibrant digital radio market worldwide
 - Defining minimum functionality for receivers that use DRM system
 - Give broadcasters confidence
 to plan services that will be received
 - Give manufacturers confidence that their investment will be supported by services
 - Give consumers confidence
 in a product providing them
 with consistent quality of experience

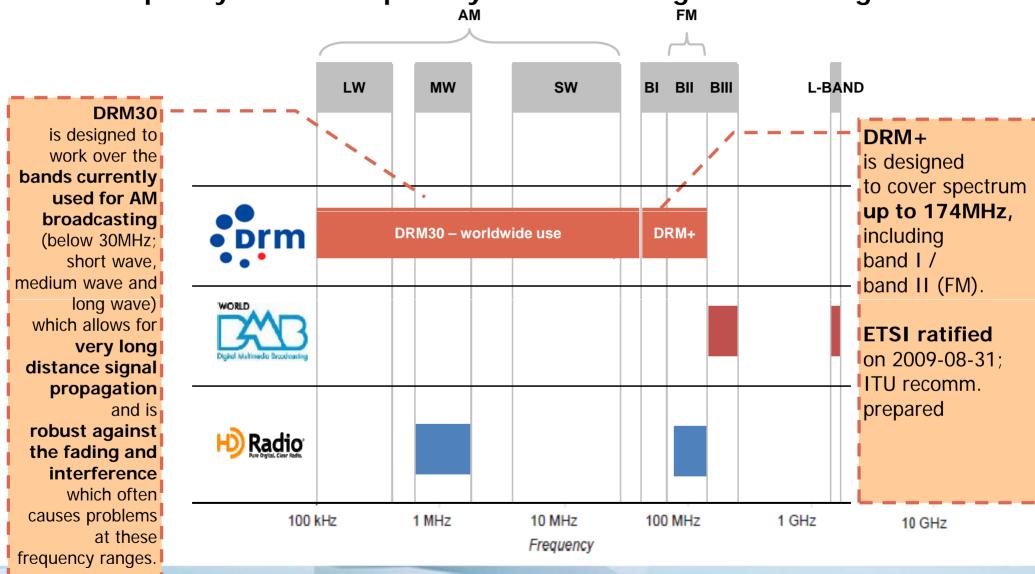




Where DRM fits - Introducing DRM+



Frequency bands & capability of different digital technologies



www.drm.org

DRM System



- ➤ It is NOT 1998 technology, it is 21st c. technology with lots of features in tandem with a lot of the apps out there
- ➤It is NOT proprietorial
- > It is NOT exclusive to one band
- >It is NOT multiplex dependent
- >It is NOT difficult to implement (can use existing infrastructure)
- It is NOT more expensive than other digital technologies, possibly cheaper

IT IS HERE, READY TO USE AND MEET YOUR NEEDS!





Thank you

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