Use of DRM for Maritime Broadcasting



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The use of DRM in the German Navy







Data Broadcasting via Digital Shortwave (DRM)

- First study for the German Navy in 2005
- No progress for nearly 5 years
- First ship equipped in 2010
- Different tests and trials in the last years





News to the ship

> Audio

- ▲ Live or
- ▲ On demand (e.g. mp3 file)

> Data

- News Feeds (e.g. RSS-News)
- ▲ PowerPoint → Slide Show
- Short Videos
- Text Messages

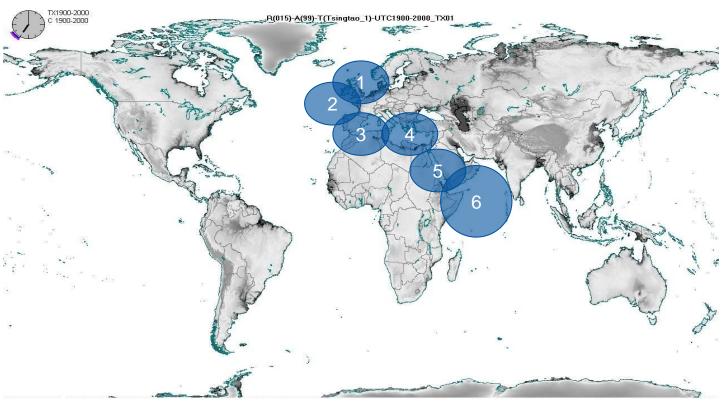






EU-NAVFOR "ATALANTA"

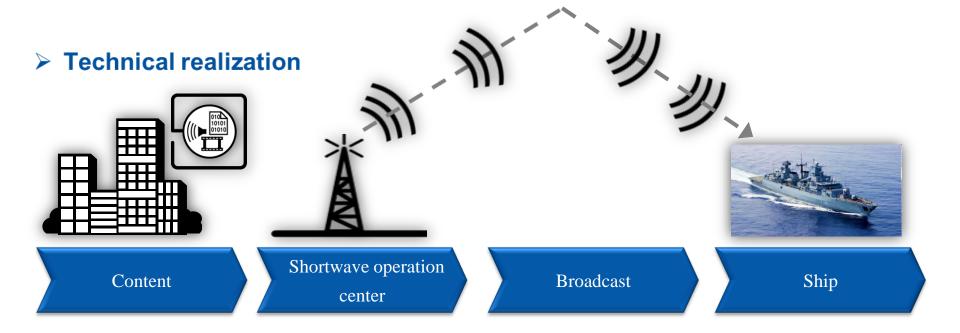
➤ The way of "Fregatte Schleswig-Holstein" from Wilhelmshaven to the Horn of Africa, in the context of ATALANTA Mission







News to the ship

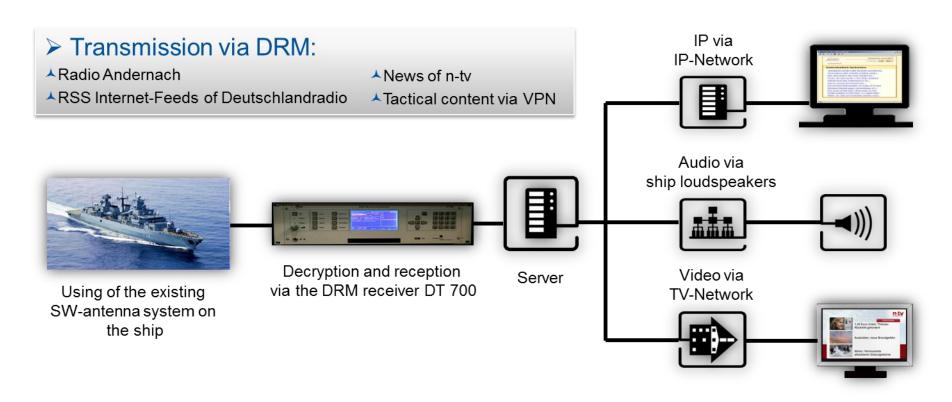






German Armed Forces

Encrypted IP-transmission for the Navy

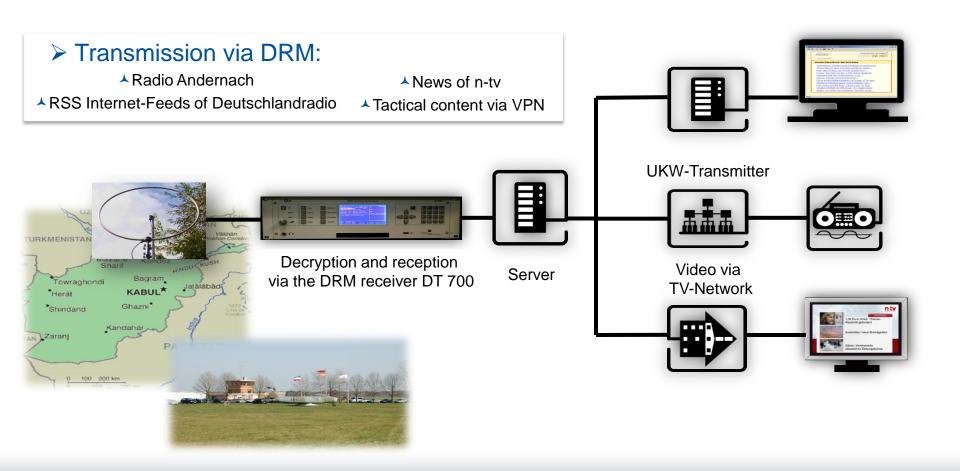






German Armed Forces

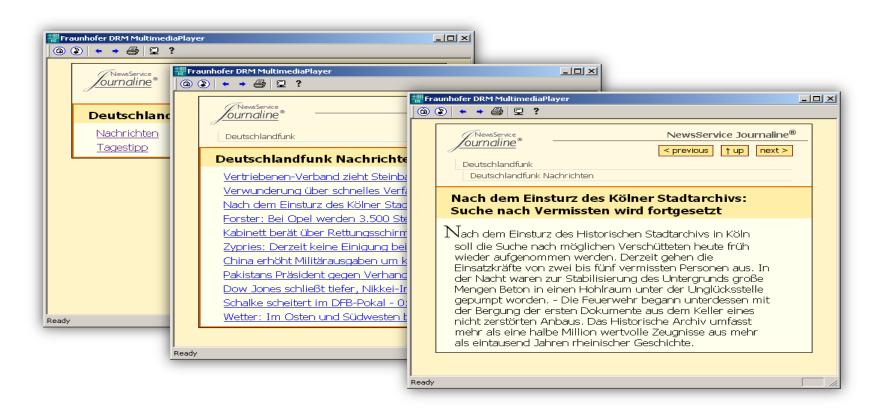
Encrypted IP-transmission for Army and Air Force distant bases







News-Feeds via Journaline System







News on Displays / Flatscreens





Benefits of data transmission via DRM

- Good quality caused by digital HF-technology
 - Transmission of
 - Audio and / or
 - IP-Files
- Utilization of various media channels
 - Audio troop entertainment (Radio Andernach) on ship and on base
 - "Power-Point-sheets" for information of the soldiers (Army internal / external)
 - ▲ Data transmission with different news (e.g. world news, political news, sports etc. or Army internal news (from online editorial team of Radio Andernach, Y-editorial etc.)
- Shift from cost-intensive "point to point" data distribution via Inmarsat to distribution via DRM-Broadcasting
 - One transmission for multiple ships



Questions?