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Subject: Information about ENAMS (Electrical Noise Area Monitoring System)

Committee: C7

Summary: DARC wants to present the ENAM-System and the first results.

DARC is setting up a nationwide monitoring-system to measure background noise (natural + manmade) from 0.1 to 30 MHz.

50 receiving stations with calibrated active monopole antennas will be fielded from in Q1, 2019 on.

Sensitivity to measure background noise down to "quiet rural" environment shall be feasible.

The Bandwidth of receivers shall be able for background noise detection even in congested broadcast segments.

Project is designed for 5+ years of operation.

The system is self-calibrating, measurements-procedures designed to meet standard practice and parameters (Avg. and QP).

The expected data volume will be about 1 TByte per year.

The pilot-station has been operating since November 2018.

Proposal: Information only

Financial Implications: none