# DEMO 1B-1

# Personal Communication Link
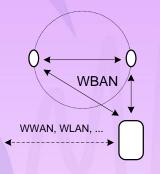
## Objectives

**Wireless audio communication**

- **Low delay audio coding for wideband speech**

- **Highly integrated, low power wireless communication link**

## Description

**Personal Communication Link** between

- Hearing Instruments as audio terminal nodes in a Wireless Body Area Network (WBAN)

- Personal Communication Hub bridging with existing Bluetooth, WiFi, 3G industry solutions



## Partners & Contact

Thales audio application using KTH's audio coder and NXP WBAN hardware solution , performing real time communication between two terminal nodes

Contact: rachid.elmostadi@fr.thalesgroup.com

KTH's constrained-entropy, backward adaptive, linear-predictive audio coder with a low algorithmic delay and a low computational complexity.

Contact: bastiaan.kleijn@ee.kth.se

NXP's low power CoolFlux DSP and highly integrated Wireless Body Area Network (WBAN) solution using Magnetic Induction (MI) radio technology.

Contact: johan.van.ginderdeuren@nxp.com

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