



**Welcome
to the World
of Standards**



ETSI EHEALTH WORKSHOP DEMONSTRATIONS

Presented by Milan Zoric

for eHealth Workshop, Sophia Antipolis, May 2014

Introduction

- ETSI is pleased that our call for demonstrations resulted with a number of applications
- The demonstrations during this Workshop will show several examples of telemedicine systems
- Following this first Workshop we hope that the number of demonstrations will grow in future



Remote Hearing Aid fitting



- Companies: Phonak AG
- Highlights:
 - Remote adjustment of hearing aids
 - Avoidance of travel to audiologist
 - Increasing accessibility to qualified professionals and services
 - Technical feasibility



Wearable Health Monitoring System



- Companies: University of Bremen
- Highlights:
 - eHealth system for heart patients
 - Following information is needed for assessing heart conditions:
 - Physical activities (sitting, standing, laying, walking, ascending/descending stairs, running, cycling, strength-training, swimming etc)
 - Emotion states (sad, dislike, joy and stress)
 - Physiological data (blood volume pulse, respiratory rate and ECG)
 - Retrieving physiological data from a very cheap device
 - EMG, body temperature, ECG, heart rate, galvanic skin response, oxygen in blood (SPO2), airflow (breathing), patient position (accelerometer) and blood pressure (sphygmomanometer)



Location Based Services (LBS)



• Companies: Trilogis

• Highlights:

- A complete software/hardware solution to:
 - Track medical devices within healthcare facilities.
 - Track patients and operators inside healthcare facilities
 - Automatically generate events conditions (related to movements of hardware and people) to be dispatched to appropriate operators.
- Designed and optimized for assistance or healthcare scenarios requiring real-time indoor localization of assets or people
- Target users are doctors, maintenance or clinical engineers and nurses using mobile phones



- Companies: MedCom
- Highlights:
 - A fully integrated home monitoring data collection and reporting system
 - Home monitoring of Blood Pressure, Glucose, Weight, INR and COPD parameters
 - Already widely used by citizens
 - full process
 - Electronic ordering from the GP,
 - Secure access by Citizens/Patients,
 - Keying in or collection of results from different devices, transmitting results, calculating results,
 - data transfer to GPs EMR systems and
 - further reporting results in national portal as well as automatic reminders for the citizen.
 - International and national standards used

