**Source: Editor (Qualcomm, Incorporated)**

**Title: Proposed test plan for a Round Robin Test for comparison of background noise simulations – Rev. 1**

## Document for: Information

## Questions to answer:

1. How good is the reproducibility of the ETSI ES 202 396-1 and ETSI TS 103 224 background noise (BGN) simulation methods?
2. Find out whether the different BGN simulation methods lead to different S-MOS-LQO and N-MOS-LQO results when measuring the same UE.

## Noises & Setup

8 Noises binaural old recordings from ES 202 396-1 (as listed in 3GPP TS 26.132 v12.3.0)

8 Noises binaural new recordings from ES 202 396-1 (compatible to TS 103 224)

8 Noises 8-channel new recordings from TS 103 224

1 silent condition (speech only)

1 new Recordings for table top with call center noise (to be collected and possibly proposed for inclusion in ETSI database)

## Bandwidths

Narrowband & wideband - UMTS

## Devices

6 recent commercial devices, covering a variety of noise suppression solutions and number of microphones.

## Rooms

2 rooms each lab (may include anechoic and/or office type)

## Analysis

ETSI TS 103 106

Provide Clarity C85 measurements (will be calculated as part of the scripts provided by HEAD Acoustics)

## Speech level

+ 1.3 dBPa ASL

## Test Sequences

To be provided by HEAD acoustics (tentative date: 19/05/15)

## Speakerphone position

Standard 3GPP handheld hands-free

Standard ITU-T P.340 desktop hands-free setup - 1m x 1m table

Reference Mic.: 90 deg. Pressure field, ½”

## Loudspeaker position

Compliant to requirements of ETSI EG 202 396-1 and ETSI TS 103 224. Loudspeaker position setup shall be reported by participating labs.

## Logistics/time line

HEAD acoustics

Sony

Intel

Audience

Qualcomm

## Optional

FB-Recording of the background noise scenarios using recording app on the phone.