Input for HGI Symposium

March 2016
Who is the DECT Forum?

The DECT Forum is the international association of the wireless home and enterprise communication industry. DECT, DECT 6.0, J-DECT (Japan), DECT Security and CAT-iq are worldwide-adopted technologies with high relevance for wireless voice, broadband home and enterprise communication.
Member Overview

FULL Members

ascom  |  Aoki Electric  |  Astoria  |  Binatone
Cetecom  |  dialog  |  DSP Group  |  Gigaset  |  GN
Nemko  |  Panasonic  |  Pioneer  |  Plantronics  |  RTX
Sagemcom  |  SERCOM  |  SGW  |  Sharp  |  Spectralink
Swissvoice  |  technicolor  |  vtech  |  ZTE  |  ZyXEL

ASSOCIATED Members

arendi  |  Bithium  |  BT  |  CommuteK  |  CCTTech
Doro  |  Free  |  Intel  |  Sennheiser  |  TES
Gibson Innovations
CAT-iq PROFILE OVERVIEW

“Voice”
CAT-iq 1.0
“HD-sound”
Products Available
{TS 102 527-1}

CAT-iq 2.0
“Multi Line”
Products Available
{TS 102 527-3}

CAT-iq 2.1
“Green”

CAT-iq 3.0
“Internet Ready”
Specification Available
{TS 102 527-5}

CAT-iq 4.0
“Intelligent Networking”
Specification Available
{TS 102 527-4}

“Data”

* Note that some data devices may incorporate voice services
CAT-iq Profile Features

- **CAT-iq 1.0**
  - Wideband Audio
  - Display of Caller id, Caller Name

- **CAT-iq 2.0**
  - Wideband Audio
  - Display of Caller id, Caller Name
  - Synchronization of calls lists, family phonebook
  - Synchronization of system settings e.g. date/time
  - Multiple lines handling (optional on BS)
  - Ability to handle parallel calls such as call transfer, forward, conference
  - DTMF and Tones
  - Support for Headset
  - Easy PIN code registration
  - Easy pairing registration
  - Handset location
  - No emissions mode (optional)

- **CAT-iq 2.1**
  - 3-party conference call
  - Intrusion call
  - CLIR
  - Answering Machine control
  - Enhanced Security
  - ‘Green’ Power Saving Aspects
  - Diagnostics features
  - Recommended Tones (optional)
  - Handset Capability Enquiry
  - Support Personal Phonebook in HS
  - SMS

- **CAT-iq 3.0**
  - ‘Lite’ data service
  - Software Upgrade ‘over-the-air’ (SUOTA)

- **CAT-iq 4.0**
  - “Intelligent Networking”
Industry Cooperation

**HGI (Home Gateway Initiative)**
- Gateway profiling & Definition of operator requirements as input to market requirements
- Liaison with HGI

**CAT-iq**
- Adopting the specifications and collaborating to define consumer brand for HD voice service provision in the cable domain

**CAT-iq MARKETING WG**
- Setting up and managing certification program
- Managing Regulatory issues related to CAT-iq use
- Liaison with ETSI

**ETSI TC DECT**
- Responsible for technical standardization
- Responsible for creation of test specifications

Issues CAT-iq certification

Issues the standard
HD voice is a logo, licensed by GSMA, with the intention of supporting one HD Voice logo, that can become a universally recognised symbol which easily identifies HD Voice enabled services and devices, across both mobile and fixed networks.

The DECT Forum has entered into a cooperation agreement with the GSM Association (GSMA), where CAT-iq 2.0 certified devices will be able to benefit from the use of the GSMA HD Voice logo.

The GSMA license program, through its technical annex, will refer to CAT-iq 2.0 specifications as minimum requirements for fixed HD devices.

FULL DECT Forum members, who have CAT-iq 2.0 certified products can apply to the GSMA for use of the logo via the license agreement. There is no additional fee applied. Relevant documents can be found here:
- The Minimum Requirements document
- The Licence Agreement
- The HD Voice Logo Usage Guidelines and FAQ
> 40 CAT-iq 2.0 Devices

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Key Achievements

- Defining optional and mandatory features for CAT-iq 2.0
- Specifying key features for CAT-iq 2.1
- Creation and validation of Audio test parameters for certification
- User level IOP session as insight for product marketing
- Collaboration to reach agreement with GSMA on HDVoice Logo
“The cooperation between HGI and DECT Forum provided a unique opportunity to exchange and align about real world operator requirements”

Andreas Zipp, DECT Forum Chair
Future Home?

- Can we keep this value of operator/manufacturer cooperation across industry organization alive?
- Is there a possible cooperation framework which can be considered for the future?