

PRESS RELEASE

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Fraunhofer IIS Presents the Next Generation of Mobile Call Quality at Mobile World Congress 2015

– Experience the new standard for mobile call quality with Enhanced Voice Services (EVS) designed specifically for Voice over LTE (VoLTE) –

Erlangen, Germany/Barcelona, Spain, February 26, 2015 – Mobile World Congress, Hall 7, booth 7G31: Fraunhofer IIS provides visitors the opportunity to experience the future of mobile call quality live with the next-generation 3GPP communication codec EVS designed specifically for Voice over LTE (VoLTE) and Voice over WiFi (VoWiFi) services.

The recently finalized EVS standard, co-developed by Fraunhofer IIS, takes the quality of mobile phone calls to a new dimension. EVS delivers an unprecedented level of coding efficiency as well as audio quality for speech, background music and mixed content, providing considerably improved speech intelligibility that is clear and natural sounding. The audio quality offered by EVS will allow mobile calls to be significantly richer in sound, for example, when listening to a music performance from a distance, enjoying grandchildren singing “Happy Birthday” or being “on location” with a loved one traveling around the world. Thanks to EVS, impressions and ambient sounds are crystal clear to provide an experience comparable to speaking with someone in the same room or on-location during a live event. These advantages will make mobile phone conversations significantly more comfortable in the future.

The EVS standard is the first 3GPP communication codec to deliver speech and audio in Super-wideband Full-HD Voice quality, bringing mobile audio on par with the audio experienced through today’s digital media services. The algorithm delivers speech and audio up to 20 kHz audio bandwidth, outperforming the audio quality of today’s mobile phone calls.

“Fraunhofer is proud to be a major contributor to the first 3GPP communication codec enabling calls of superior voice and audio quality. EVS is ground breaking development for telephony that will have a significant impact on the quality of mobile calls and the mobile industry in general”, said Harald Popp, head of the business department of the Audio & Multimedia division of Fraunhofer IIS.

Head of Corporate Communications

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FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

At Mobile World Congress 2015, visitors to Fraunhofer's booth (Hall 7, booth 7G31) can experience the benefits of EVS through a real-time demonstration of a live phone call over a standard handset.

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The new 3GPP communication codec Enhanced Voice Services (EVS) delivers an unprecedented level of audio quality and provides an experience comparable to speaking with someone in the same room. © Fraunhofer IIS/Kurt Fuchs

About Fraunhofer

When it comes to advanced audio technologies for the rapidly evolving media world, Fraunhofer IIS stands alone. For more than 25 years, digital audio technology has been the principle focus of the Audio and Multimedia division. From the creation of mp3 and the co-development of AAC to the future of audio entertainment for broadcast, Fraunhofer IIS brings innovations in sound to reality. Fraunhofer IIS technologies enable more than 8 billion devices worldwide. The audio codec implementations are licensed to more than 1,000 companies.

Fraunhofer IIS is based in Erlangen, Germany, and is an institute of Fraunhofer-Gesellschaft, Europe's largest applied research organization with nearly 24,000 employees.

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