



1300 Pennsylvania Avenue NW, Suite 190-322, Washington, DC 20004

June 24, 2014

Marlene H. Dortch
Secretary
Federal Communications
Commission 445 12th Street, SW
Washington, DC 20554

RE: GN Docket 13-5, *Technology Transitions* - VCXC HD Voice Migration NOI Petition

Dear Ms. Dortch:

On June 19, 2014, in connection with the above-referenced proceeding, Daniel Berninger with the Voice Communication Exchange Committee ("VCXC") briefed Karen Peltz Strauss of the Consumer and Government Affairs Bureau and Elaine Gardner of the Disability Rights Office on the topic of HD voice. The briefing took place at the AT&T Innovation Center, 1133 21st Street NW, Washington DC as a part of a VCXC briefing for the hard of hearing and hearing disorder advocacy community.

The presentation covered historical, technical, and policy issues as well as a demonstration of HD voice. The opportunity to include HD voice as an objective of the IP transition owes to the new flexibility available with IP networks. Upgrading voice services to HD voice represents a long overdue development given standard definition voice traces to work at AT&T Bell Laboratories in the 1930's a decade before the invention of the transistor. Achieving interoperability through a common HD implementation represents the final challenge for industry and policymakers.

Pursuant to 47 C.F.R. § 1.1206 of the Commission's rules, please include this ex parte filing in the above referenced docket.

Respectfully submitted

/s/ Daniel Berninger
Founder, VCXC
202.250.3838

cc:

Karen Peltz Strauss
Elaine Gardner

Enclosures:

Attendees List
Agenda

VCXC HD Voice Migration Briefing, June 19, 2014

Attendees

Daniel Berninger, founder, VCXC
Bill Blair, project manager
Philip Bowie, AVP, AT&T
Timothy Creagan, senior accessibility specialist, US Access-Board
Danika Davies Sign language interpreter NVRC
William Flanagan, Flanagan Consulting
Elaine Gardner, Disability Rights Office, FCC
Lise Hamlin, Policy Director, HLAA
Cheryl Heppner, Executive Director, NVRC
David Hilliard, partner, Wiley Rein
Cary Hinton, policy analyst, DC PSC
Rosmary Johnson, intern, Gallaudet University
Sherry Knox, CCB, CCP, CART
Marsha Mazz, Director, Office of Technical and Information Services, US Access-Board
Mary Retka, Director Network Policy, CenturyLink
Linda Kozma-Spytek, researcher, Gallaudet University
Francie Stilwell, Sign language interpreter, NVRC
Claude Stout, Executive Director, TDI for Access
Karen Peltz Strauss, Deputy Bureau Chief, Consumer and Government Affairs, FCC
David Talbott, Director Federal Regulatory, AT&T
Christian Vogler, Professor, Gallaudet University
Joe Yang, VP System Solutions, PGI



VCXC HD Voice Migration Briefing

at AT&T 1120 20th Street NW Washington, DC - June 19, 2014

- 2:00 PM** – Overview (*Who*) – *Making the case for HD voice*
- History of communication & emotional connection - “*Reach out and touch someone*” (D)
 - Language and communication as the basis for human civilization for 100,000 years
 - Hearing, sound, and understanding - upgrading a technology unimproved for 80 years
- 2:20 PM** – Demonstration (*What*) – *Do you hear me now? Good!*
- Orange HD voice demo (D) – *Telephone voice quality like restaurant food quality*
 - Audio clips of HD and standard definition audio (D) – *the world of miscommunication*
 - Live demonstration - HD enabled IP phones
- 2:40 PM** – Technical Solutions (*How A*) – *From PSTN to all-IP networks & acoustics <i>*
- The chain of technical solutions required to deliver HD voice (see HDTV transition)
 - Moore's Law and the information technology revolution in networking
 - All the elements required for HD voice already exist with emerging all-IP networks
- 3:00 PM** – Policy Obstacles (*How B*) – *VCXC HD Voice Migration Petition <i><i>*
- Regulation versus innovation since AT&T Consent Decree in 1956
 - Communication looks like a conspiracy to anyone defending government power
 - Voluntary interoperability as the best means to defeat fragmentation
- 3:20 PM** – Social Impact (*Why*) – *Toward a communication renaissance and world peace*
- A new communication centric version of the Maslow Hierarchy of Need
 - N+1 abundance versus scarcity business models and the 65 trillion global economy
 - 10 billion people on planet - in-group vs. out-group behavior, governance, and jurisdiction
- 3:40 PM** – Wrap-up (*When & Where*) – *The opportunity for global leadership*
- 4:00 PM** – Close

Resources:

- <http://vcxc.org/hdpetition/> - VCXC HD Voice Migration Petition
- <http://vcxc.org/comment/> - FCC request for comments
- <http://vcxc.org/atthdvoice.html> – video demo AT&T VoLTE HD voice launch
- <http://att.com/hdvoice> – AT&T HD voice overview

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