

## **The G.729 Consortium**

### **A New Price List: Responding to the Industry's Expectations**

Montreal, October 15, 1998. Reflecting the reduction in the cost of royalties per channel within the telecommunications industry, the G.729 Consortium is introducing a new and revised IPR price list, as recommended by its licensing agent, Sipro Lab Telecom Inc.

The G.729 Consortium was established in March 98 to promote this crucial multi-purpose ITU<sup>1</sup> standard. For the last few months Sipro Lab Telecom (SLT), the international licensing agent, conducted a survey in order to provide the Consortium with the industry's perception towards the G.729 Standards.

Based on the results of that survey, SLT recommended changes in the Consortium's price list. Major changes include:

- a single price structure for client and server applications
- for G.729 combined with G.729 Annex A: royalties per channel ranging from \$1.45 US (for quantities under 100,000 channels) to \$0.80 US (for quantities over 1 million channels)
- for G.729 Annex A: royalties per channel ranging from \$1.15 US (for quantities under 100,000 channels) to \$0.65 US (for quantities over 1 million channels)
- reduction of the initial fee to \$15,000 US
- an implementation license for software vendors available for the amount of \$7,500 US

<sup>1</sup> International Telecommunication Union

### **Special Invitation to Integrators**

Present and potential users of the G.729 line of standards are invited to contact Sipro Lab Telecom regarding the acquisition of necessary rights available through the G.729 IPR pool. SLT's representative can be reached by phone at

1 (514) 737-5874, by fax at 1 (514) 737-2327, or by e-mail at [info@sipro.com](mailto:info@sipro.com).

### **Notice to Other Owners of Intellectual Property**

Sipro Lab Telecom invites all other holders of intellectual property related to the G.729 Standard to contact SLT in order to evaluate potential addition to the list of essential patents available through the G.729 IPR pool. Sipro Lab Telecom's representative can be reached by phone at 1 (514) 737-5874, by fax at 1 (514) 737-2327, or by e-mail at [info@sipro.com](mailto:info@sipro.com).

## **Profile of Sipro Lab Telecom**

Since 1993 Sipro Lab Telecom Inc, a Canadian-based company, has been the commercial representative of Université de Sherbrooke Speech Compression Laboratory and its famous ACELP<sup>®2</sup> technology. SLT has been instrumental in securing adoption of ACELP<sup>®</sup> technology by numerous certification bodies, including the ITU. Recognizing SLT's unique expertise in this field, France Telecom, Nippon Telegraph and Telephone Corp. and the Université de Sherbrooke appointed Sipro Lab Telecom to license their technology related to the G.729 Standard.

## **What is G.729?**

The G.729 standard, also referred to as CS-ACELP<sup>®3</sup>, was adopted in 1995 by the ITU, a United Nations organization. Similar in quality to 32 kbps ADPCM, G.729 offers toll quality speech. In addition, being only an 8 kbps codec, G.729 offers opportunities for significant increases in bandwidth utilization for existing telephony and wireless applications. Operating on 10 ms frames, this multi-purpose standard also allows moderate transmission delays.

## **What is G.729 Annex A?**

The codec, established by the ITU as the DSVD<sup>4</sup> official international standard for the modem industry, was presented by the Université de Sherbrooke in collaboration with Sipro Lab Telecom. G.729 Annex A opens the door to voice-over fax, voice-over Internet and voice e-mail. This 8 kbps codec, based on the renowned CS-ACELP<sup>®</sup> system, offers remarkable features including

- low complexity (MIPS, RAM, ROM),
- low delay (10 ms),
- toll quality and
- interoperability with G.729.

This last feature is definitely significant as G.729 is on its way to becoming the worldwide standard for the telephone industry. Interoperability has the advantage of eliminating the need for transcoding, thereby preserving and maximizing signal quality. Thus, it is expected that all multimedia systems will soon be made compatible with G.729 Annex A.

**Footnotes:**

<sup>1</sup>International Telecommunication Union

<sup>2</sup>Algebraic Code Excited Linear Prediction

<sup>3</sup>Conjugate-Structure Algebraic Code Excited Linear Prediction

<sup>4</sup>Digital Simultaneous Voice & Data

**For more information:**

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