

**QUESTIONS:** Q.2/15, Q.3/15  
**SOURCE:** Istvan SEBESTYEN (Siemens)  
**TITLE:-** What is the position of Q.2, Q.3/15 on Internet Telephony for the IMTC  
VoIP Forum Meeting in Seattle (Jan. 15-16, 1997)

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As many of you may already know the IMTC has set up a new Activity Group, VoIP (Voice over IP Forum). This AG is de-facto the continuation of the Voice over Internet Forum that merged with IMTC in November 1996.

The first meeting under the IMTC umbrella will be held on January 15-16, 1996 in Seattle (Washington), hosted by Microsoft.

The purpose of this contribution is to inform the Q.2+Q.3/15 group about this event, and to urge to harmonize the position, contributions (?) of the ITU-T SG15 Rapp. Group for this meeting, if possible.

## **ANNEX 1: Minutes of the VoIP Forum November 11-12, 1996 Dallas, TX**

### **Ken Krechmer Secretary ACTION Consulting on behalf of Vocaltec**

M. Knappe, Chairman (Cisco) opened the meeting and presented the agenda.

He reviewed the presentation he had previously made to the IMTC in Sunriver, OR. The presentation included VoIP 96-031 as an overview of the VoIP Forum. Out of this, discussions occurred about marketing positioning and codec development specifically for Internet voice. These discussions were deferred until later.

The question of confidential agreements and when they will terminate was raised. M. Knappe stated that the existing confidential agreement now only applied to the Implementation Agreement. Once the IA is posted on the IMTC web site then it will be publicly available. The Acknowledgment Regarding Information Disclosure (VoIP 96-032) was distributed. M. Knappe requested that companies return signed copies of this document (the "anti-NDA") as soon as possible.

VoIP 96-030 the minutes of the September 25-26, 1996 Milpitas, CA meeting were reviewed. The action items noted were reviewed.

IMTC Intellectual Code of Conduct (VoIP 96-033) was distributed. A question was raised regarding the IMTC Intellectual Property Code of Conduct. Point 4 requires that Members identify "any known" IPR, this will be reviewed with Deepak Kamalani of Interprise Ventures.

For the information of the group the by-laws of the IMTC were distributed as VoIP 96-034.

VoIP 96-035 Draft 0.9 of the Implementation Agreement (November 10, 1996) was distributed and reviewed by M. Knappe at a higher level for the benefit of the group. Open issues noted were:

Vocaltec will add a diagram describing sample call set-up (section 2.6)

O. Kahane, Vocaltec presented an electronic overhead presentation of Call Management Agent (CMA), Section 4 of the IA.

J. Pulver Chairman of the VON (voice on the net) Collation, made a presentation.

The committee discussed means to assure interoperability (non QoS). The committee seemed to desire a web test site form of unmanned testing coupled with a VoIP product designation as opposed to a certification plan. Discussions of QoS issues noted the need for network models and the difficulty of keeping network models up to a rapidly changing network. K. Krechmer suggested at least developing standardized network test parameters.

J. Tyre opened the marketing discussions noting that the initial PR release is to be approved tomorrow (it was distributed). It was agreed that we should segment the marketing work at some time in the future from the technical work. In other discussions there was interest in supporting ad hoc inter working testing.

K. Krechmer discussed positioning of the VoIP work:

1. Is VoIP an alternative/supplement to circuit mode voice? or
2. A way to integrate/enable voice and data applications over the Internet?

The groups feeling was both but possibly #2 first. There was interest in continuing this discussion and K. Krechmer will post the above positioning statement to the reflector for additional comments, review and development.

Neil Starkey(DataBeam) as President of IMTC welcomed the VoIP work to the IMTC. Deepak Kamlani (Interprise Ventures) described the history of IMTC and how the IMTC is structured. He also made a presentation on the management and administration of the IMTC provided by his company.

The IMTC is governed by a Board that is elected sequentially by general membership vote. There are seven IMTC activities groups: Marketing, APIs and protocols (T.120 related), T.120 interoperability, H.320 interoperability, Corporate Network Conferencing (H.323 related), Multipoint Multiparty (Reservation systems) and POTS activity group. The VoIP will become an eighth activity group. There is current interest in creating a new service provider activity group and a gatekeeper activity group. There is also a Technical Steering Group made up of activity group chairs. The name of our new IMTC activity group is the VoIP Forum. Each of the IMTC member companies pays \$5,000 per year. An Interprise Ventures member will be assigned to come to VoIP meetings and assist with local support issues.

M. Knappe opened the vote for VoIP Forum activity chair positions which will also be members of the IMTC super group (activity group chairs and offices). The positions will be for the IMTC year.

The nominations for Chair were:

M. Knappe, Cisco

He was unopposed and elected by acclamation.

Vice-Chair

Scott Petrack, Vocaltec

Larry Greenstein, Nuera

Michael Ramalho, Voxware

Fred Berg, AT&T World Net

The candidates for the Vice-Chair made short presentations of their background. The committee elected Scott Petrack via a written ballot to the position of Vice-Chair.

M. Ramalho led the QoS discussions to develop the requirements for QoS.

K. Krechmer distributed two documents from T1A1.5, VoIP 96-036, The Effect of Delay on Multipoint Video Conferencing Systems and VoIP-96-037 and Draft ANSI T1 Standard on Multimedia Communications Delay, Synchronization and Frame rate Measurement.

Contributions are needed on H.245/RTP codec negotiation operation during a call. M. Ramalho will distribute on the reflector the QoS outline he presented.

M. Reid, Picturatel, made a presentation on H.323 operation.

The committee agreed to re-open the issue of voice codec to review. M. Knappe presented the criteria:

1. Computational complexity (40% of a P75)
2. Cost
3. Platform availability
4. G series
5. Bandwidth
6. H.323/H.245/H.225

The committee agreed to continue to develop using GSM. Develop a list of prospective codes and then develop a recommendation for a chosen coder to the January VoIP meeting.

The committee voted to specify a baseline coder even though H.323 defines G.711 as a base line coder.

Administrative: The next VoIP meeting is scheduled for January 15-16, 1997 in Seattle, WA hosted by Microsoft. A. Cohen will pass the membership list on to M. Knappe. M. Knappe will distribute this information to Interprise Ventures. J. Hu and J. Tyre will work to develop a web site and provide the information to the IMTC webmaster. The Chair and Vice-Chair will manage the ftp site.

G. Goodnight, USRobotics, gave a tutorial on the operation of H.245.

The for follow-up work with various standards bodies on the following technical items was discussed:

IETF: Possible VoIP RTP profile, CMA

ITU: CMA/RAS, codec changes on the fly, codec recommendations, Gateway tokens

Actions were taken to address the following via e-mail before the next meeting:

1. Generate clear requirements for a VoIP baseline codec.

2. Generate list of prospective codecs.

It was agreed that the goal for the January meeting would be to vote for a prospective codec to lobby at SG16 in Feb.

Attendance:

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