

Methods and systems for determining call quality at devices in a VoIP session**ABSTRACT**

Embodiments herein provide methods and systems for determining call quality at the devices in VoIP network and presence information of devices. The embodiments include determining the presence information of the devices in the VoIP network based on metadata associated with the devices in the network. The embodiments include broadcasting the presence information of each device, associated metadata, and other relevant information of each device to selected devices in the VoIP network. The embodiments include periodically detecting occurrence of at least one event at a device, which may lead to termination of a VoIP session, by disconnection of the device from the VoIP network. The embodiments include periodically analyzing RTP packets, determining call quality at the devices based on the analysis of the RTP packets, and providing a feedback of the call quality by comparing the determined call quality with a predetermined threshold based on a desired QoS.

FIG. 1