

Codecs & Packetisation

To ascertain the bandwidth required, you need to perform the following simple calculation using your desired codec:

Concurrent calls x Codec kbps = bandwidth

G711*	Highest quality codec	100kb per second
G711 Ulaw**	Highest quality codec	100kb per second
G722	HD codec	60kb per second
G729	Lowest quality codec	40kb per second

*A-Law is mostly used in Europe (uses a 12 bit rate compression)

**U-Law is mostly used in USA/Japan (uses a different compression method to force it at 13 bits)

Packetisation delay is the time taken to fill a packet payload with encoded/compressed speech. This delay is a function of the sample block size required by the vocoder and the number of blocks placed in a single frame. Packetisation delay can also be called Accumulation delay, as the voice samples accumulate in a buffer before they are released. Currently the most common sample period is 20 ms, although customers may opt for 10 ms, which introduces less latency but at the expense of greater bandwidth. Only one sample period (10 ms or 20ms) may be provided by a customer.

Change Codec & Packetisation

Step 1

From the Gamma Portal, go to "Provisioning and Service Management", "Voice Connectivity", "Gamma SIP Trunks" and "Service Management".

If you don't have this option contact your Portal Administrator (Help and Support and

Portal Administrators) or contact your Internal Account Manager.

Step 2

Select the account that has the endpoint you wish to edit change the codec for and click “View”.

Gamma SIP Trunks Service Search

Use Classic Search

Advanced Search Options >

Search

Download

Showing 1 to 1 of 1

Service ID	Company	Endpoint	SBC	Access	Build	SIP Trunk Call Manager	Status	Action
183234	Gamma	DC2N17AQM394891	MSX75	Gamma Broadband - FTTC	Standard		Active	View

Step 3

Click on the “Update Codec Details” option in the Actions drop-down and click Continue

Gamma SIP Trunks Service ID: 175778

Summary

Channel Partner Account: XXXX - Gamma Test 1
Company: Gamma
Service ID: 175778
ITSM Number: -
Service Status: Order updated successfully
Endpoint: DC2N16GEM309711
Product Type: Gamma SIP Trunks
Build: Standard

[Export Order](#) [Change History](#) [Back To Search](#) [Refresh](#)

Actions

Update Codec Details

This Action Allows You to Update Codec Details

Select *Request to Test Enhanced Build* to request to test this endpoint in an Enhanced configuration.

[Continue](#)

Service Details

Health Check | Service | Numbers | Customer | History

Service Status >

Call Barring >

Step 4

Gamma SIP Trunks - Change Codec

Codec Options

Bandwidth

Please ensure your access circuits are capable of supporting the bandwidth requirements. If access is provided by Gamma please contact us

Primary:

Secondary:

Packetisation:

Fax (T.38)

Bandwidth

Minimum Upstream: 252 Kbps

Minimum Downstream: 252 Kbps

Last modified by user Edward Moody at 21:26 on 2016-05-11