PSAM Appendix A - Scenarios

In order to size bandwitdth requirements in your infrastructure, Keep in mind that total bandwidth is the sum of 2 symmetrical channels.

Eg: 100 concurrent calls with AMR4.75 and AMR12.2 add up to 4.78 Mbit/sec, so you will need 2.39 Mbit/sec for downlink and 2.39 Mbit/sec for uplink

							Total bandwidth required on server in Mbit/second depending on number of Concurrent Calls		
Leg A			**Leg B**				**50**	**100**	**200**
Audio codec	**Bytes x second**		**Audio codec**	**Bytes x second**	**Total bytes x second**		**Total Mbs**	**Total Mbs**	**Total Mbs**
AMR 4.75	2180		AMR 4.75	2180	4360		1,66	3,33	6,65
AMR 4.75	2180		AMR 12.2	4080	6260		2,39	4,78	9,55
AMR 4.75	2180		GSM	7700	9880		3,77	7,54	15,08
AMR 4.75	2180		PCM	20400	22580		8,61	17,23	34,45
AMR 12.2	4080		AMR 12.2	4080	8160		3,11	6,23	12,45
AMR 12.2	4080		GSM	7700	11780		4,49	8,99	17,97
AMR 12.2	4080		PCM	20400	24480		9,34	18,68	37,35
GSM	7700		GSM	7700	15400		5,87	11,75	23,50
GSM	7700		PCM	20400	28100		10,72	21,44	42,88