AVAYA

Loss Plan Parameters for Avaya Distributed Office

Abstract

This document addresses the loss plan in Distributed Office that controls the gain or loss between endpoints. It is based on the "to" and "from" endpoint type (called a "loss group"). This document is intended for technicians only.

VERSION 1.0

The loss plan in Distributed Office controls the gain or loss between endpoints. It is based on the "to" and "from" endpoint type (called a "loss group"). We support 19 different loss groups, of which Distributed Office currently only uses six, as follows:

Loss Group	Used for
1	Analog stations
6	Analog CO trunks
11	Digital CO trunks
13	ISDN PRI and BRI trunks
18	H.323 trunks (used for DECT) SIP stations and trunks
19	H.323 stations

The loss plan is a 19x19 matrix of decibel values. There is a default matrix for each country. Changing the administered country of the box automatically changes the loss plan to the default for that country. A technician can change the loss plan as needed to address issues of a voice too loud or soft. For example, if the technician wants to increase or decrease the volume of a talk path from analog CO trunks to analog stations, he can change the decibel value in row 6, column 1. The talk path in the other direction can be separately adjusted by changing row 1, column 6. Each value can range from -3 to 15. A value of 15 is maximum loss (i.e., quieter), and a value of -3 is maximum gain (i.e., louder).

Loss groups are not administrable in Distributed Office. E.g., all analog stations are in loss group 1 and they cannot be assigned to any other loss group. This means that you cannot tune an individual trunk or station, but must tune them all as a group.

There are risks associated with changing the loss plan (e.g., introducing distortion), so we generally recommend that it only be done by a loss plan expert. It's not something to be played with, as the potential for making thing worse is greater than the potential for making things better.
Note: The values in the loss plan can significantly affect the quality of service that your users experience. Therefore, in order to change the loss plan you must thoroughly understand loss plans and your particular configuration. Avaya recommends that you seek technical assistance from Avaya before making any modifications to the loss plan.

Loss plan changes are often temporary accommodations for problems elsewhere. For example, it may be used to temporarily compensate for hardware in the network operating out of spec, or for adjustment problems at the CO. We usually find that the loss plan is changed back to the default after the other problems are corrected.

For Distributed Office, we only support administration of the two-party loss plan. The adjustments that are made for conference calls are not tunable. Neither is the loss plan used for tones.

Shuffled calls (i.e., direct IP connections between endpoints) are not affected by the loss plan (i.e., neither gain nor loss is applied).

Distributed Office loss plan administration is available starting with R1.1.1 (i.e., it is not available in R1.1). The loss plan page in Distributed Office Local Manager looks like this (shown with the US defaults). Note that rows and columns other than 1, 6, 11, 13, 18 and 19 are not currently used for DO (we may use them in the future).

Two Party Loss Plan

Apply Changes | Restore Default Values

To Loss Group

From Loss Group	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	0	0
2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	0	0
3	3	6	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	6	6
4	0	0	-3	0	0	3	3	3	2	3	0	0	0	0	2	3	3	0	0
5	0	0	-3	0	0	3	3	3	2	3	0	0	0	0	0	3	3	0	0
6	0	0	-3	3	3	6	8	6	5	5	5	3	3	3	5	3	3	0	0
7	0	0	-3	3	3	8	8	6	5	5	5	3	3	3	5	3	3	0	0
8	0	0	-3	3	3	6	6	6	3	5	3	3	0	0	3	3	3	0	0
9	0	0	-3	2	2	5	5	3	0	0	2	-3	-3	-3	0	3	3	0	0
10	3	3	0	3	3	5	5	5	0	0	3	-3	-3	-3	3	3	3	3	3
11	0	0	-3	0	0	5	5	3	2	3	0	0	0	-3	0	3	3	0	0
12	6	6	3	6	6	9	9	9	3	3	6	0	0	0	6	3	3	6	6
13	6	6	0	6	6	9	9	6	3	3	6	0	0	0	6	3	3	6	6
14	6	6	0	6	6	9	9	6	3	3	0	0	0	0	6	3	3	6	6
15	0	0	-3	2	0	5	5	3	0	3	0	0	0	0	0	3	3	0	0
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	0	0
19	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	3	0	0

Edit loss from 6 to 6
Current value (dB): 6
Default value (dB): 6

Submit | Restore default

Help
Type in a new loss value (in decibels) for the selected cell. click on 'Submit' to keep the value, or 'Restore default' to restore system default value.

When finished editing the loss plan, click on 'Apply Changes' to apply the new values on the device.