



CHAPTER 8

Provisioning Dial Plans

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Introduction

This chapter provides detailed instructions for configuring Cisco BTS 10200 Softswitch dial plans through use of the command-line interface (CLI).

Provisioning a Dial Plan with the Command-Line Interface

This section provides the instructions for managing dial plans in the Cisco BTS 10200 configuration using the CLI. The CLI also allows you to perform show, add, change, and delete dial plans. The following subjects are discussed:

- [Dial Plan](#)
- [Dial Plan Profile](#)
- [International Dial Plan](#)
- [International Dial Plan Profile](#)
- [Custom Dial Plan Profile](#)
- [Custom Dial Plan](#)

Dial Plan

Dial plans analyze, screen, and route calls based on dialed digits. The Dial Plan (dial-plan) table holds dial plan information for a specific type of call. It defines valid dialing patterns and determines call routing. All records that share a common dial-plan-profile id are considered a dial plan. For additional information on the Dial Plan, refer to the [“Dial Plan” section on page 1-22](#).

Dial Plan Profile

The Dial Plan Profile (dial-plan-profile) table creates dial-plan-profile ids before they are assigned to subscribers or trunk groups. The dial-plan-profile id links digit-string entries in the Dial Plan table within a dial plan. Different dial-plan-profile ids are assigned to subscribers and trunk groups. A dial-plan-id must be created in this table before entries can be added to the Dial Plan table. For additional information on the Dial Plan Profile, refer to the [“Dial Plan Profile” section on page 1-22](#).

International Dial Plan

The International Dial Plan (intl-dial-plan) table holds international dial plan information for calls to regions outside the North American Numbering Plan (NANP). It contains the country code, minimum and maximum digits, the country name, and the route-grp-id. For additional information on the International Dial Plan, refer to the [“International Dial Plan” section on page 1-22](#).

International Dial Plan Profile

The International Dial Plan Profile (intl-dial-plan-profile) table is used to create unique IDs for international dial plans. This ID must be created before the International Dial Plan table can be provisioned. For additional information on the International Dial Plan Profile, refer to the [“International Dial Plan Profile” section on page 1-22](#).

Custom Dial Plan Profile

The Custom Dial Plan Profile (custom-dial-plan-profile) table defines custom dial plan IDs (CDP IDs) assigned to Centrex groups. For token names and description details for the Custom Dial Plan Profile table, refer to the [Cisco BTS 10200 Softswitch CLI Database](#).

Custom Dial Plan

The Custom Dial Plan (custom-dial-plan) table translates Centrex calls. If the result of a custom dial plan (CDP) is a POTS access code, call processing uses the POTS Dial Plan table to translate the digits dialed after the POTS access code. Speed call codes are provisioned in this table as nod=speed-call and fname=SC1D (or SC2D). Screening does not apply to speed dialing. For token names and description details for the Custom Dial Plan table, refer to the [Cisco BTS 10200 Softswitch CLI Database](#).