



A MITEL
PRODUCT
GUIDE

MiVoice MX-ONE

External Directory with Denylisting - Operational Directions

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This chapter contains the following sections:

- [Introduction](#)
- [Glossary](#)

1.1 Introduction

- Denylisting

Denylisting means the blocking of calls from specific calling party numbers, that is, a filtering on the Calling Line Identity. The function described here is on either per system or per customer level, i.e. the blocking will be valid for all calls to the system or customer, regardless of called extension or other type of party.

- External Directory

An external database of directory numbers (and names and other data); that is, separate from the internal database.

1.2 Glossary

For a complete list of abbreviations and glossary, see the description for *ACRONYMS, ABBREVIATIONS AND GLOSSARY*.

- Denylisting

Denylisting means the blocking of calls from specific calling party numbers, that is, a filtering on the Calling Line Identity. The function described here is on either per system or per customer level, i.e. the blocking will be valid for all calls to the system or customer, regardless of called extension or other type of party.

- External Directory

An external database of directory numbers (and names and other data); that is, separate from the internal database.

Prerequisites

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O&M terminal with access to the MX-ONE Service Node.

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This chapter contains the following sections:

- [Initiation of External Directory and Denylist](#)
- [Removal of External Directory and Denylist](#)
- [Printout of External Directory and Denylist](#)
- [Export of External Directory Entries](#)
- [Import of External Directory Entries](#)
- [Set Up Number Conversion](#)

7.1 Initiation of External Directory and Denylist

7.1.1 Initiation of an External Directory Entry

The subscribers with numbers (+)46856867000 up to (+)46856867996 shall be assigned a name, in this case the common company name “Mitel Sweden”. The number type shall be international format.

Example: `external_directory -i --number 46856867000..46856867996 --number-type 1 --name1 'Mitel Sweden'`

7.1.2 Initiation of a Denylisted External Directory Entry

The subscriber with number (+)4681234567 shall be denylisted, with a comment that he/she “has verbally threatened sales personnel”. No backup destination shall be set, that is, calls from that subscriber will be immediately disconnected.

Example: `external_directory -i --number 4681234567 --number-type 1 --deny-listed --add-info 'Has verbally threatened sales personnel'`

7.2 Removal of External Directory and Denylist

Example: `external_directory -e --number +4681234567`

7.3 Printout of External Directory and Denylist

The entire external directory shall be printed.

Example: `external_directory -p`

7.4 Export of External Directory Entries

The external directory (including denylist data, if any) shall be exported to the file /tmp/external_directory_data.

Example: external_directory ---export /tmp/external_directory_data

7.5 Import of External Directory Entries

Data in file /tmp/external_directory_data (including denylist data, if any) shall be imported to the external directory.

Example: external_directory ---import /tmp/external_directory_data

7.6 Set Up Number Conversion

If the received public A-number is not in the correct format it can be converted to a international format (without + character) with number conversion using conversiontype 7. Using conversiontype 7 will not change the number displayed on terminals. The converted number is only used in database search.

Example: number_conversion_initiate --conversiontype 7 -entry 8 -pre 46 -numbertype 2 -newtype 1 -route 10

In the example above, any number received from route 10, starting with an 8, and of the type National number, will be prefixed with the country code of Sweden, making the number into international format (except for the + character).

After the external directory data is initiated or removed, a data backup (dump) must be performed in the system.

