

Configuration Notes

Aastra MX-ONE™ in Ascom VoWiFi System

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1 Introduction

This document is merely intended as a guide when using Aastra MX-ONE™ in the Ascom VoWiFi System, and it does not by any means replace the documentation delivered with the MX-ONE™. This document describes some of the settings needed to gain good performance when the Ascom VoWiFi Handset is used together with the MX-ONE™.

For maximum performance in the VoWiFi System consider the recommendations in the document *Considerations for Ascom VoWiFi System Planning, TD 92408GB*.

The settings described in this document are extensions and apply for use with the MX-ONE™. For more information about Ascom VoWiFi System, see *Function Description VoWiFi System, TD 92314GB*.

Note: The performance measurements are made with MX-ONE 3.1.

1.1 Abbreviations and Glossary

CSP	Common Service Profile
MML	Man Machine Language
PDM	Portable Device Manager
SIP	Session Initiation Protocol

2 VoWiFi Handset Configuration

Make sure the following parameters in the PDM correspond with the configuration of the MX-ONE™.

Select Protocols > General

Parameter	Value	Information
VoIP protocol	"SIP"	The only VoIP protocol supported

Select Protocols > SIP

Parameter	Value	Information
SIP proxy IP address	MX-ONE™ IP address	
Alternative SIP proxy address		Only used for redundant system
SIP proxy listening port	5060 (default value)	Must correspond to the SIP port used by the MX-ONE™
SIP proxy ID	MX-ONE™ host name	Optional
SIP proxy password	The same password as in MX-ONE™	

Select Device > User

Parameter	Value	Information
Endpoint number	Directory number	Must be the same number as the directory number in the MX-ONE™

2.1 Automatic Callback

If automatic callback is set in the MX-ONE™ the following parameter must be set in the VoWiFi handset.

Select Protocols > SIP

Parameter	Value	Information
Send DTMF using RFC 2833 or SIP INFO	SIP INFO	The DTMF signalling will be sent using SIP signalling, i.e. via the MX-ONE™

3 MX-ONE™ Configuration

This section describes the configuration needed in the MX-ONE™ to be able to register a VoWiFi handset. For more information on how to configure the MX-ONE™, see applicable documentation from Aastra.

3.1 Number Series

Create a number series including the directory number of the portable that shall be registered.

Example:

number series between 1000 and 1999, local number type

```
MML> NANSI:NUMSE=1000&&1999,NUMTYP=EN;
```

3.2 Common Service Profile

A virtual generic extension is created when a directory number with a Common Service Profile (CSP) is initiated in the exchange.

Example:

Create CSP, for detailed information about the parameters settings see applicable MX-ONE™ documentation.

```
MML> GESPI:CSP=0,TRAF=0103151515,SERV=2000011000300,CDIV=10810000,  
ROC=000001,NPRES=0001;
```

3.3 Network Domain

```
MML> IPGDI:LIM=1,DOMAIN="mxonedevlab.ascom",CODLST=B-250;
```

3.4 Generic Extension

When a directory number shall be created a generic extension must be created to tie the extension to.

Example:

Directory Number=1000

```
MML> GEDII:DIR=1000,CSP=0,LIM=1;
```

3.5 IP Extension

When creating an IP Extension it is not needed to specify the type of communication protocol in MX-ONE™. The communication protocol is specified by the end point.

Example:

Directory Number = 1000, Password = ascom (max 30 characters)

```
MML> IPEXI:DIR=1000,PASSW="ascom";
```

4 Related Documents

System Description VoWiFi System	TD 92313GB
Function Description VoWiFi System	TD 92314GB
Considerations for Ascom VoWiFi System Planning	TD 92408GB
Configuration Manual i75 VoWiFi Handset	TD 92431GB
Installation and Operation Manual Integrated Message Server (IMS/IP-WiFi)	TD 92322GB
Installation and Operation Manual Portable Device Manager, Windows version	TD 92325GB
Installation and Operation Manual Portable Device Manager, System version	TD 92378GB

5 Document History

For details in the latest version, see change bars in the document.

Version	Date	Description
A	2007-08-13	First version
B	2008-11-05	<ul style="list-style-type: none">• Added chapter 2.1 Automatic Callback on page 2• Document type name changed to Configuration Notes