

SV8100 – Mobile Extension

Pre-Sales Support

UNIVERGE SV8100

Release 5

Doc. Version 5.00

Agenda

Overview

Example of receiving and initiating a call

Port and Trunk usage

Functionality

Boundaries



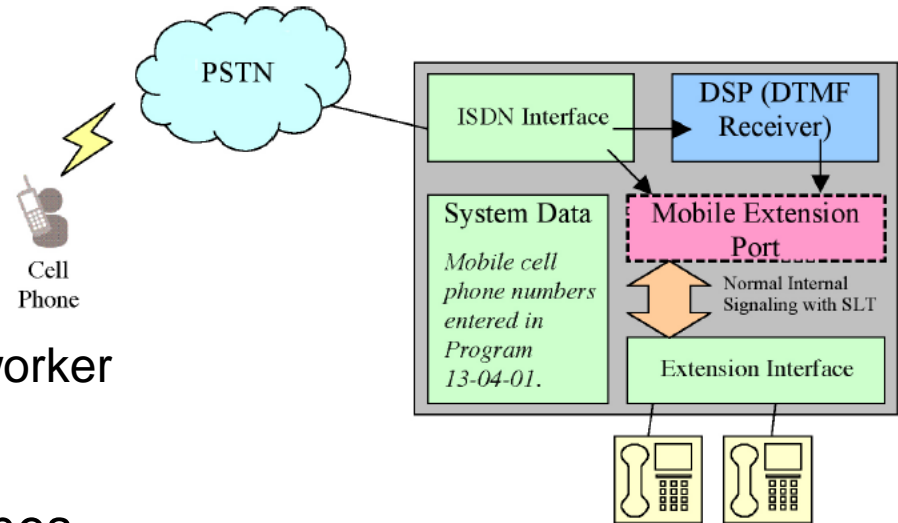
Mobile Extension

Low cost home Telecommuting solution:

- External phone (i.e. mobile phone) linked to an internal extension port (called the Mobile Extension) of the SV8100
 - The Mobile extension has access to a wide range of features (Most of the features of a SLT)
- The Mobile extension can be linked with an Internal desk phone

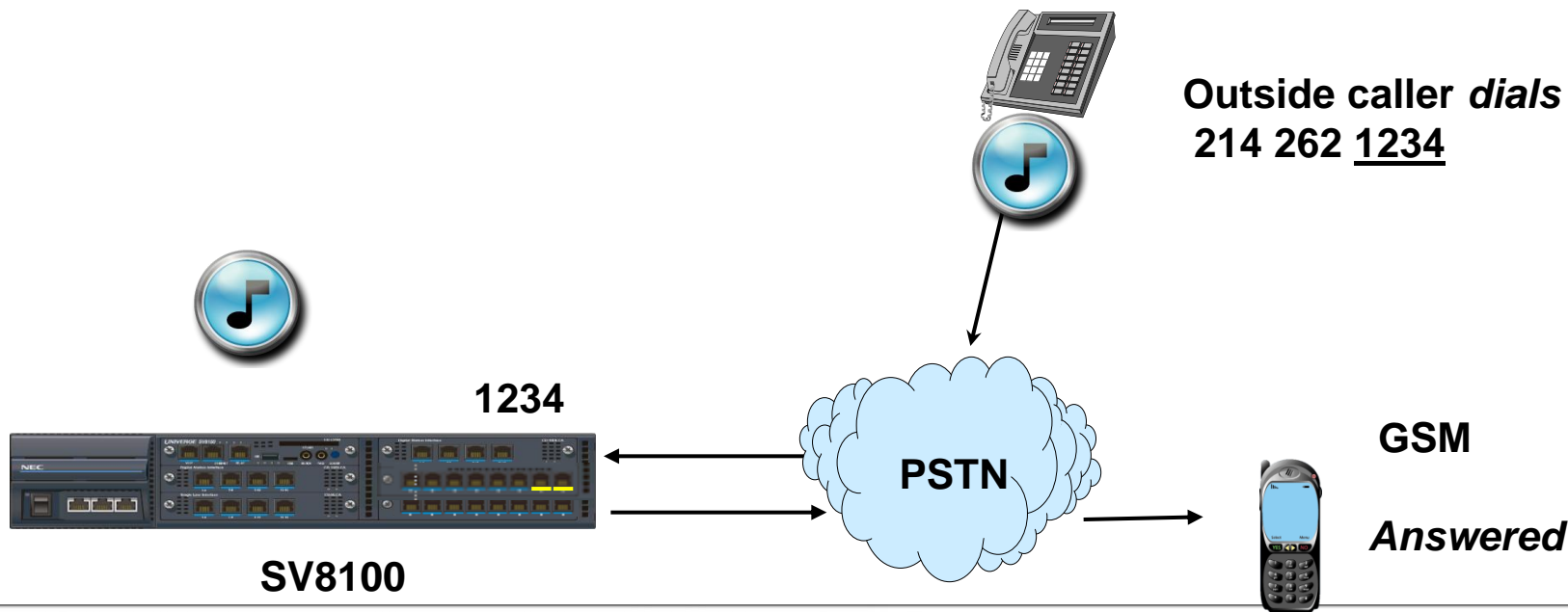
Benefits:

- One phone number and one voicemail box for mobile- or home worker
- Enhances functionality of existing corporate sponsored cell phones



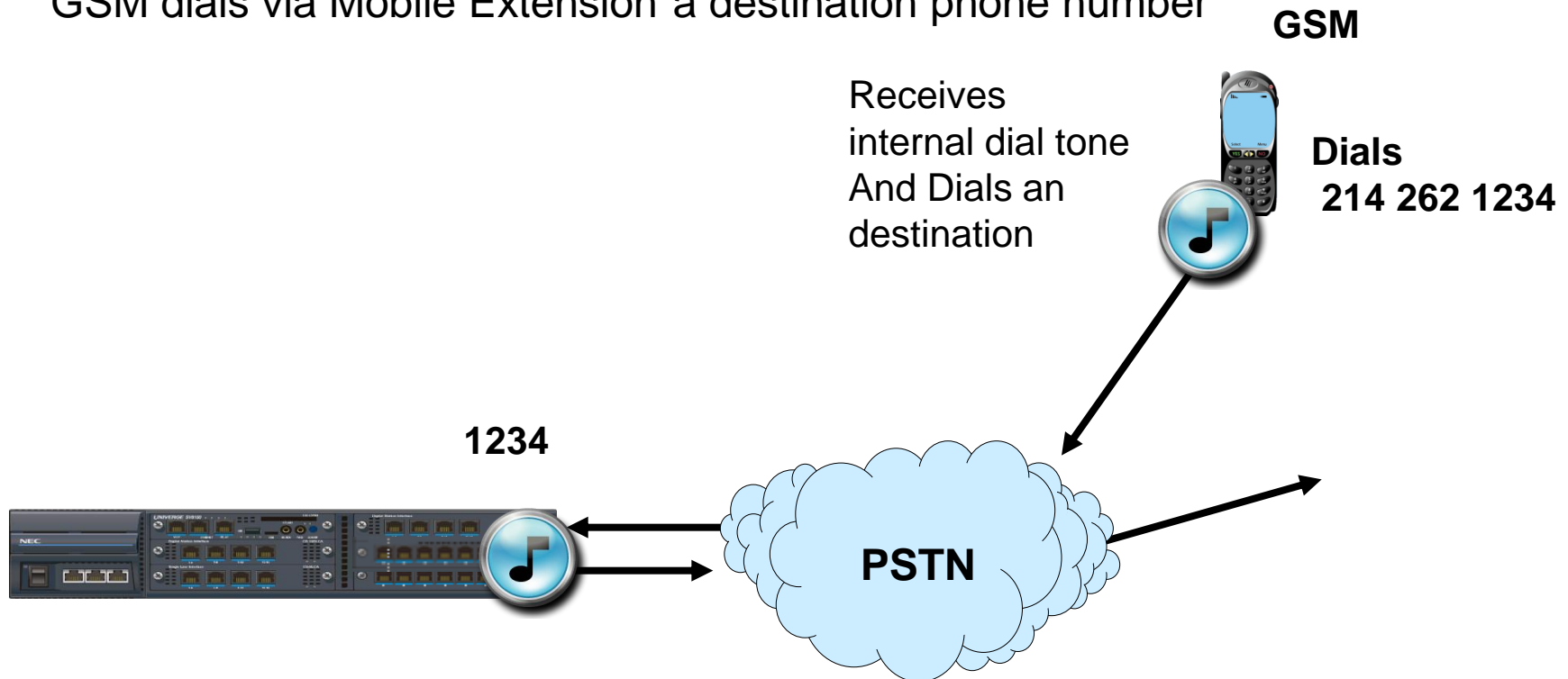
Mobile Extension Receives a call

1. Outside caller calls the Mobile Extension (ME)'s number (e.g. 1234)
2. SV8100 receives the call and makes 2nd call to i.e. the GSM linked to the ME
3. The GSM answers the call (go off hook and press *)
The outside caller thinks he's connected to an internal phone
4. Features can be invoked as needed via DTMF key strikes (i.e. transfer, call back, park, call pickup, DND, conference)



Mobile Extension Makes a call

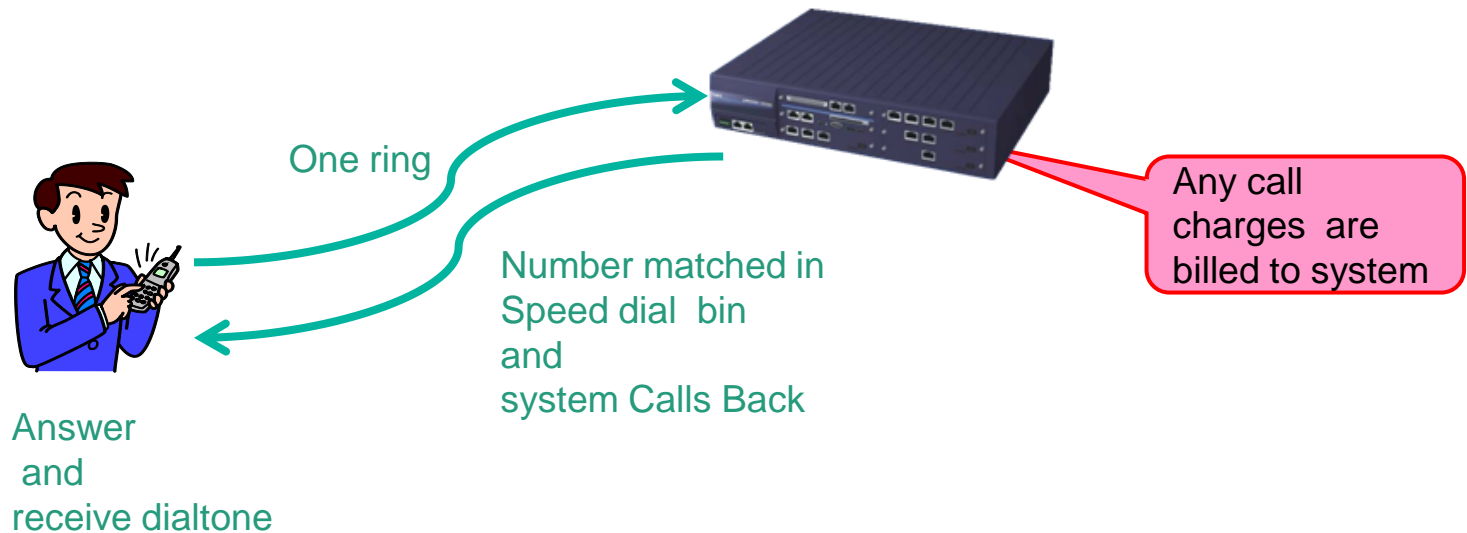
1. The GSM user calls his DDI number (i.e. 1234)
2. The ME check's the incoming Caller ID and, if it matches to the CLI of his "Master" it presents internal dial tone
3. GSM dials via Mobile Extension a destination phone number



Call back to Cell Phone

Extending the Mobile Extension functionality

- remove outbound call charges.



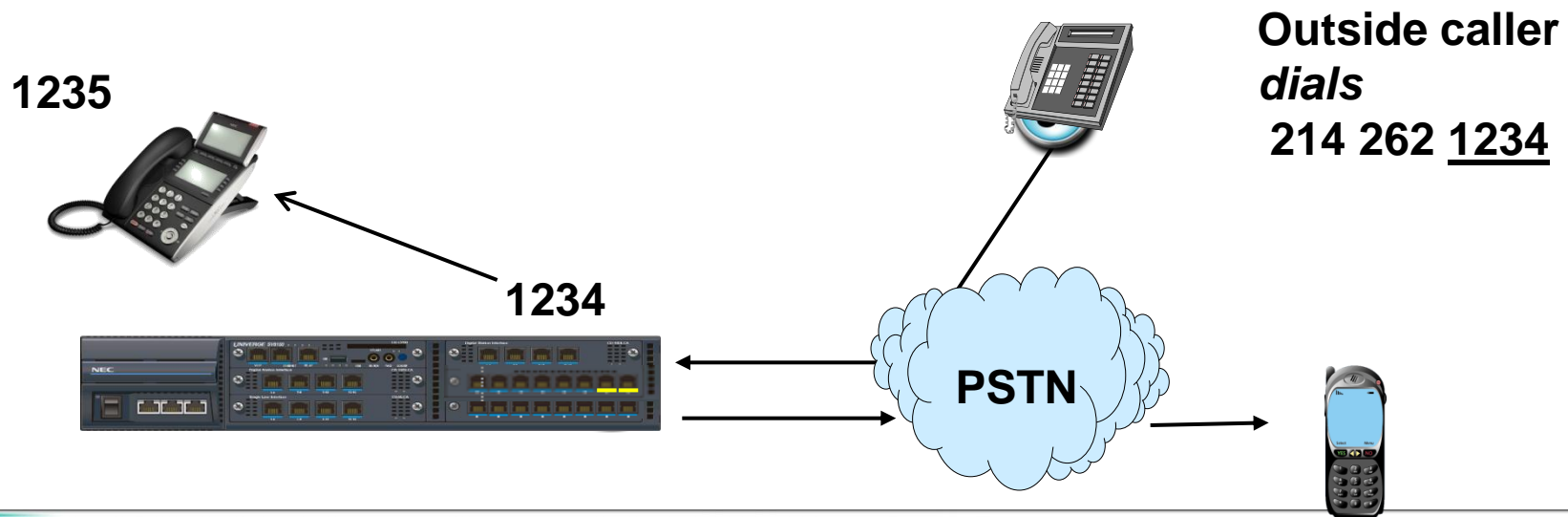
Note: Digital trunks only.

Requires: BE110867 LK-SYS-V5000 Enhancements-LIC

The ME can be linked with an Internal phone

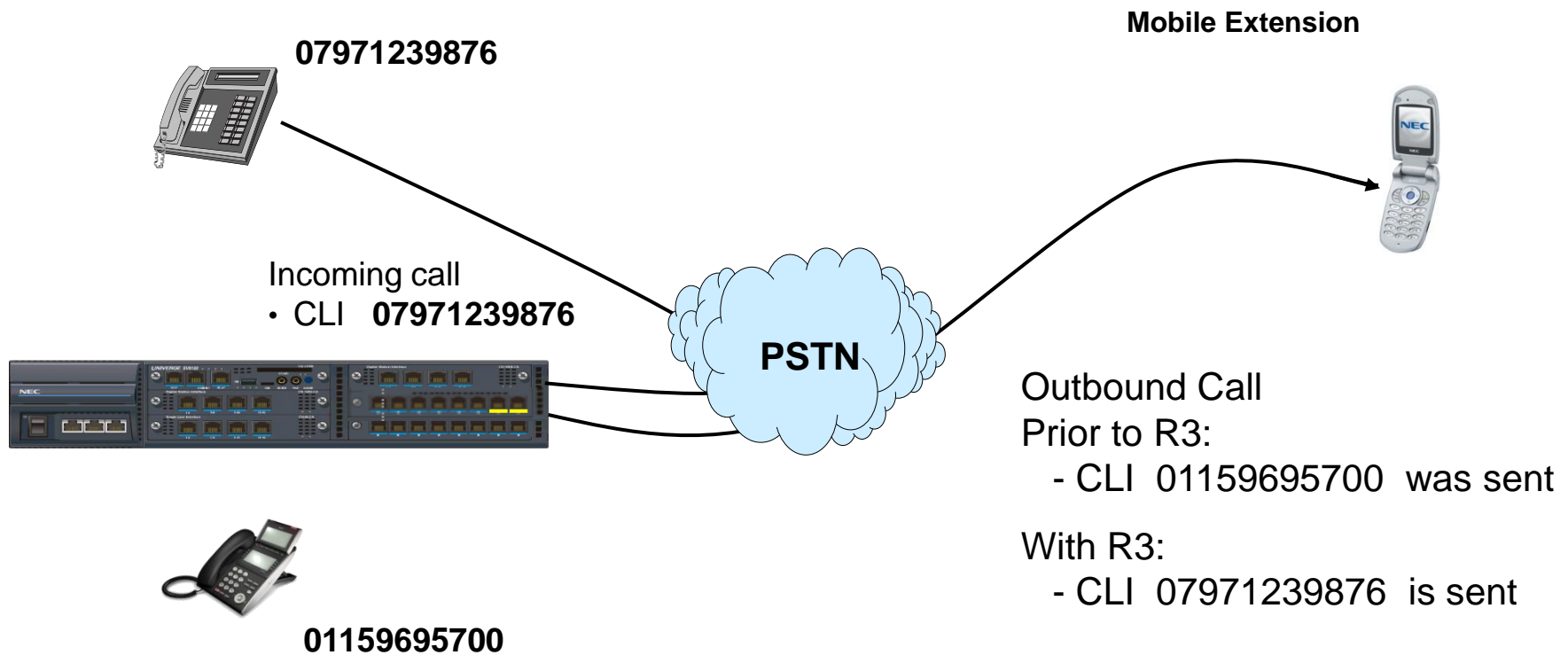
- Call forward Both Ring

When the “owner” of the Mobile Extension is in the office, he can receive incoming calls on his Desk phone as well



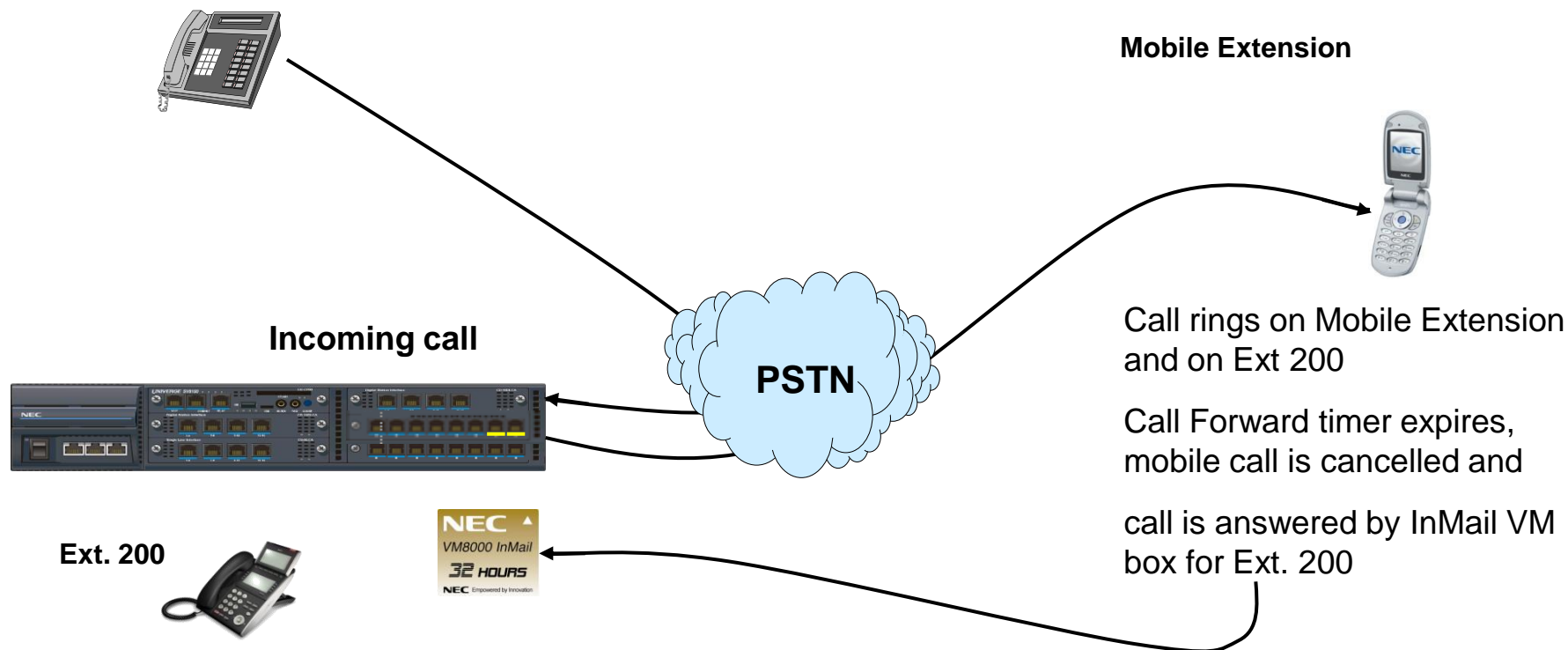
Caller ID pass through

- Incoming CLI passed to outbound call : Set on a per trunk basis
- Depends on Network (Land line or GSM) supporting the feature
 - Example: in UK Kingston supports this by agreement, but Orange GSM network does not.



Call Forward to Voice Mail

- User has set Call Forward No Answer to VM on Mobile Extension
- Incoming Call rings Ext 200 and Mobile Extension
- Calls stops ringing Mobile extension and is answered by InMail



Features

Features available at Mobile Extensions:

- Almost all features of a SLT phone like:
 - Hold, Transfer
 - Incoming Ring Group member
 - Department Group member
 - Direct Inward Dialing (DID)
 - DSS keys
 - Toll Restriction, Class of Service, etc.

- As Mobile Extension is based on an SLT port, the service codes used are as per an SLT port

- *All supported service codes & features in SV8100 Feature manual!*

Connection confirmation

There are several configuration options for answering calls arriving at the ME

- All Trunk lines: pressing a * after going off hook is required, to answer and give access to use internal features. (DISA)
 - When in this mode Mobile extension can be a member of a department group and/or IRG.
 - Can transfer back to office or externally.
- Analogue Trunk: requires disconnect clear (*0 to end call)

Port Usage

- Registered ME uses 1 analog port (ports in groups of 4)
 - ME-port must be an Unequipped SV8100 extension port
- It only uses a ME-port when a call is in progress (no dedicated port needed)
- No analog / digital blades are required
- Not licensed
- No physical phone is required on SV8100

- NB:
It is possible to have a Mobile Extension without actually having a physical extension port
 - This is in line with IPC500 with 256 / 512 PAL (PAL = hardware license used on IPC500)

Trunk Usage

- Only trunk-usage when call in progress; no dedicated trunk needed
- If all trunks are busy when a call is made to the mobile extension, ringback tone is presented giving impression that phone is ringing

Mobile Extension works with Analogue, ISDN or SIP trunks:

- ISDN PRI,BRI SIP
 - To provide disconnect, Disconnect Supervision is required on trunks
- Analog trunks
 - Analog line must provide CLI to allow ME to dial into SV8100 to access features

Boundaries

SV8100 with 64 Port lic (and no PZ-ME50):

- # Mobile Extension ports = 25% of physical ports
 - 8 ports allow 2 Mobile Extensions
- Restriction based on # ports needed to call Mobile Extension

Other configurations:

- 256 Port lic or Unlimited Port lic or PZ-ME50 on board:
 - Unlimited # Mobile Extension ports
 - Limited only by available unequipped extension ports
- BRI trunks will also take TDM ports: 1 for each trunk
- For the IP phones you will need an IPLA card and a licence for each IP phone

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