

KX-NS Step by Step Guide

Activation Key

Specifications are subject to change without notice.

1. Activation Key List

As “Memory” to expand extension capacity to more than 30.
This AK is only for KX-NS1000.

Activated feature
IP Phone Capacity (ch)
IP Trunk (ch)
IP Proprietary Telephone/IP Softp
IP Proprietary Telephone (ch)
SIP Extension (ch)
One-look Network
QSIG Network

As “CO card” & “Extension Card” (same as TDE/NCP)
Panasonic KX-UT phone is treated as Panasonic KX-NT IP-PT for activation key. (Not as SIP phone)

→ PBX to PBX one-look network for master and slave PBX
→ See (*1).

Activated feature
Recording Time Expansion
Two-way Recording Control
Message Backup
UM Port (ch)
UM/E-mail (user)
Two-way Recording (user)
CTI interface
CSTA Multiplexer

→ Recording time expansion : 2h to 15h
→ Automatic recording by supervisor
→ Message backup to **USB memory**
→ As “TVM204” : 2-ch based
→ (*2)
→ [2-way Record] button for PT or CA
→ Activation key is required for CTI server except CA and CSTA MUX.
→ (same purpose as TDE/NCP)

To upgrade built-in UM to KX-TVP full features

Activated feature
Mobile Extension (user)
CA Basic (No limit)
CA Pro (user)
CA Supervisor (user)
CA Network Feature (user)
CA Operator Console (user)
CA Thin Client Server

→ *1) Enhance feature activation key for TDE/NCP is divided to Mobile feature and **Enhanced** QSIG feature.
(same purpose as TDE/NCP)

(*2) Transfer Fax or VM using e-mail (server) /
Built-in IMAP feature / Send fax (fax driver)

2. Conditions for One-look Network

Activated feature
IP Phone Capacity (ch)
IP Trunk (ch)
IP Proprietary Telephone/IP Softp
IP Proprietary Telephone (ch)
SIP Extension (ch)
One-look Network
QSIG Network

Activated feature
Recording Time Expansion
Two-way Recording Control
Message Backup
UM Port (ch)
UM/E-mail (user)
Two-way Recording (user)
CTI interface
CSTA Multiplexer

Activated feature
Mobile Extension (user)
CA Basic (No limit)
CA Pro (user)
CA Supervisor (user)
CA Network Feature (user)
CA Operator Console (user)
CA Thin Client Server

- When virtual card is installed to slave PBX, these AK are required to slave PBX for quantity of ch.

- Master and each slave PBXs need one AK.

- Only maser PBX needs one AK because TIE table is programmed only in master PBX.

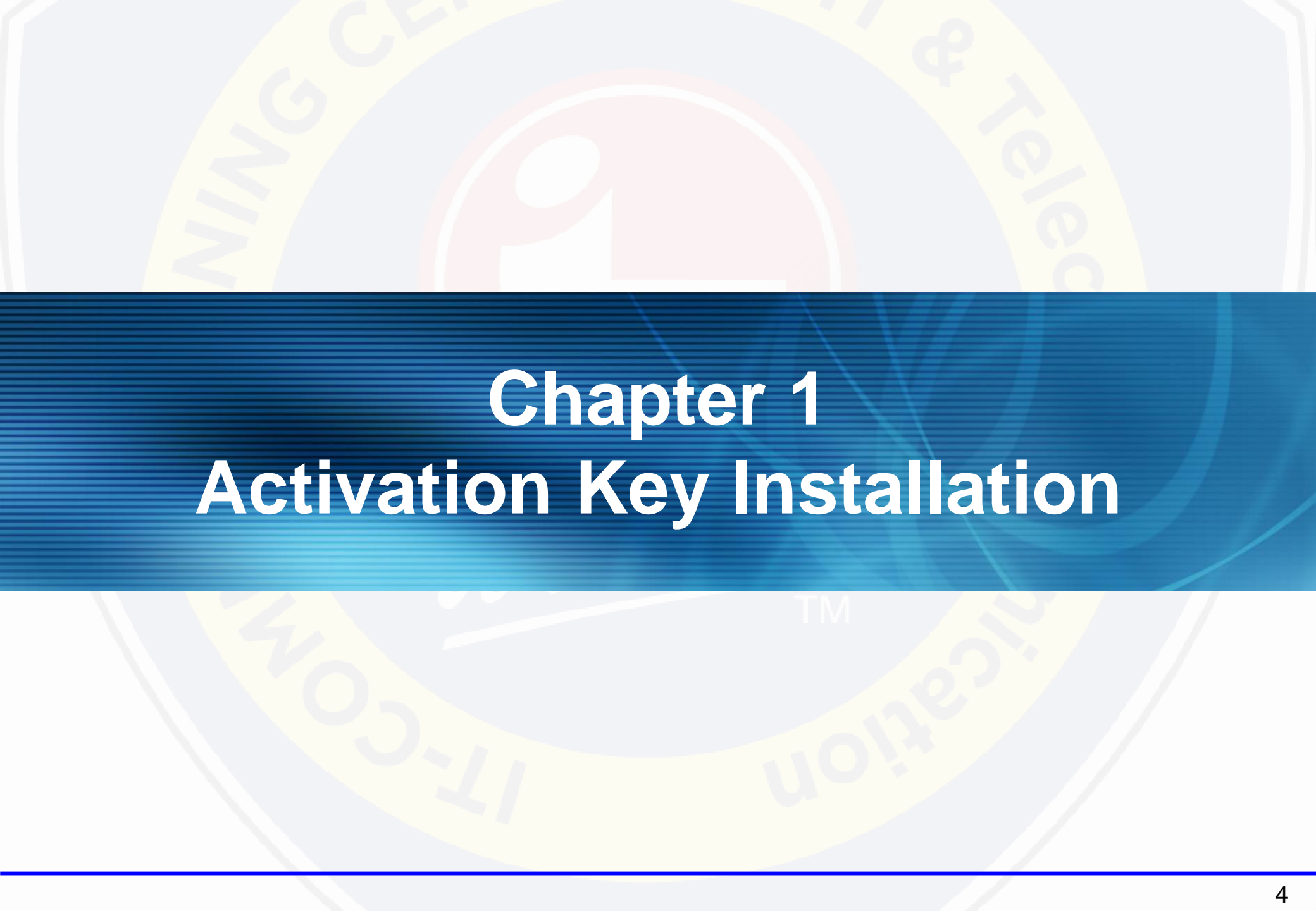
- When built-in VM(UM) of slave unit is used, these AK are required to slave unit.

- Same as “Mobile Extension” and “CA”.

- Only maser PBX needs one AK because master PBX communicates with CTI server.

- Only master PBX needs AK for quantity of “users in master PBX” and “users in slave PBXs”.

- Only master PBX needs one AK.



Chapter 1

Activation Key Installation

11. Window for Activation Key

Click "Activation Key".

The screenshot displays the Panasonic PBX configuration interface. On the left is a navigation tree with categories like 'Users', 'PBX Configuration', and '1. Configuration'. The '1. Slot' sub-item is highlighted. The main area is titled 'Slot' and contains several tabs: 'System Property', 'Activation Key' (circled in red), 'IP Phone Registration', 'VoIP Property', and 'UM Property'. Below the tabs, there are two summary boxes: 'Trunk Slot Card' and 'Extension Slot Card'. The 'Trunk Slot Card' box lists LCOT6, PRI30, E1, and DPH2. The 'Extension Slot Card' box lists MCSLC16, MCSLC8, DLC16, DLC8, and DHLC4. At the bottom, a detailed slot diagram shows three slots (1, 2, 3) with their respective card types and port configurations. Slot 1 contains LCOT6 and DLC2. Slot 2 contains DPH2 and DHLC4. Slot 3 contains MCSLC16. The diagram also shows an EXP-M card on the left and a Basic card on the right.

Trunk Slot Card	Extension Slot Card
LCOT6	MCSLC16
PRI30	MCSLC8
E1	DLC16
DPH2	DLC8
	DHLC4

Slot Diagram:

- Slot 1: LCOT6, DLC2
- Slot 2: DPH2, DHLC4
- Slot 3: MCSLC16

12. MPR ID

Confirm MPR-ID and get activation key for the MPR-ID from Key Management System.

Users

PBX Configuration

- 1. Configuration
 - 1. Slot**
 - 2. Portable Station
 - 3. Option
 - 4. Clock Priority
 - 5. DSP Resources
- 2. System
- 3. Group
- 4. Extension

Activation Key Status

[Activation Key Installation](#) →

MPR-ID : F3010A00F037C100

Number of activated IP-GW : 0 / 0

Number of activated IP-Softphone : 0 / 0

Activate Pre-installed Activation keys

Activated feature	Pre-installed	Activation key	Features in total
IP Trunk (ch)	0	0	0
IP Proprietary Telephone/IP Softphone (ch)	0	0	0

13. Activation Key File Installation

Install the Activation key file.

The screenshot shows the PBX Configuration interface. On the left, there is a navigation tree with 'Users' and 'PBX Configuration' sections. Under 'PBX Configuration', '1. Configuration' is expanded, and '1. Slot' is selected. The main area is titled 'Activation Key Status'. It contains several input fields: 'MPR-ID' with the value 'F3010A00F037C100', 'Number of activated IP-GW' with the value '0 / 0', and 'Number of activated IP-Softphone' with the value '0 / 0'. There is a button labeled 'Activate Pre-installed Activation keys'. Below these fields is a table with the following data:

Activated feature	Pre-installed	Activation key	Features in total
IP Trunk (ch)	0	0	0
IP Proprietary Telephone/IP Softphone (ch)	0	0	0

The modal dialog box is titled 'Activation Key Installation'. It contains a link to 'Activation Key Status' with a right-pointing arrow. Below the link is the text 'Select activation key files.' followed by an empty text input field and a button labeled '参照...'. At the bottom right of the dialog are two buttons: 'Install' and 'Cancel'.

14. Quantity of User

These features have to be enabled for extension using Web.

And activation key is required for quantity of user who wants to enable these features.

Activated feature
IP Phone Capacity (ch)
IP Trunk (ch)
IP Proprietary Telephone/IP Softp
IP Proprietary Telephone (ch)
SIP Extension (ch)
One-look Network
QSIG Network
Activated feature
Recording Time Expansion
Two-way Recording Control
Message Backup
UM Port (ch)
UM/E-mail (user)
Two-way Recording (user)
CTI interface
CSTA Multiplexer
Activated feature
Mobile Extension (user)
CA Basic (No limit)
CA Pro (user)
CA Supervisor (user)
CA Network Feature (user)
CA Operator Console (user)
CA Thin Client Server

Mailbox based
(Not Ext based)

Users PBX Configuration

1. Configuration
2. System
3. Group
4. Extension

1. Wired Extension
1. Extension Settings
2. FWD/DND

Extension Settings

Copy to CLIP Generate

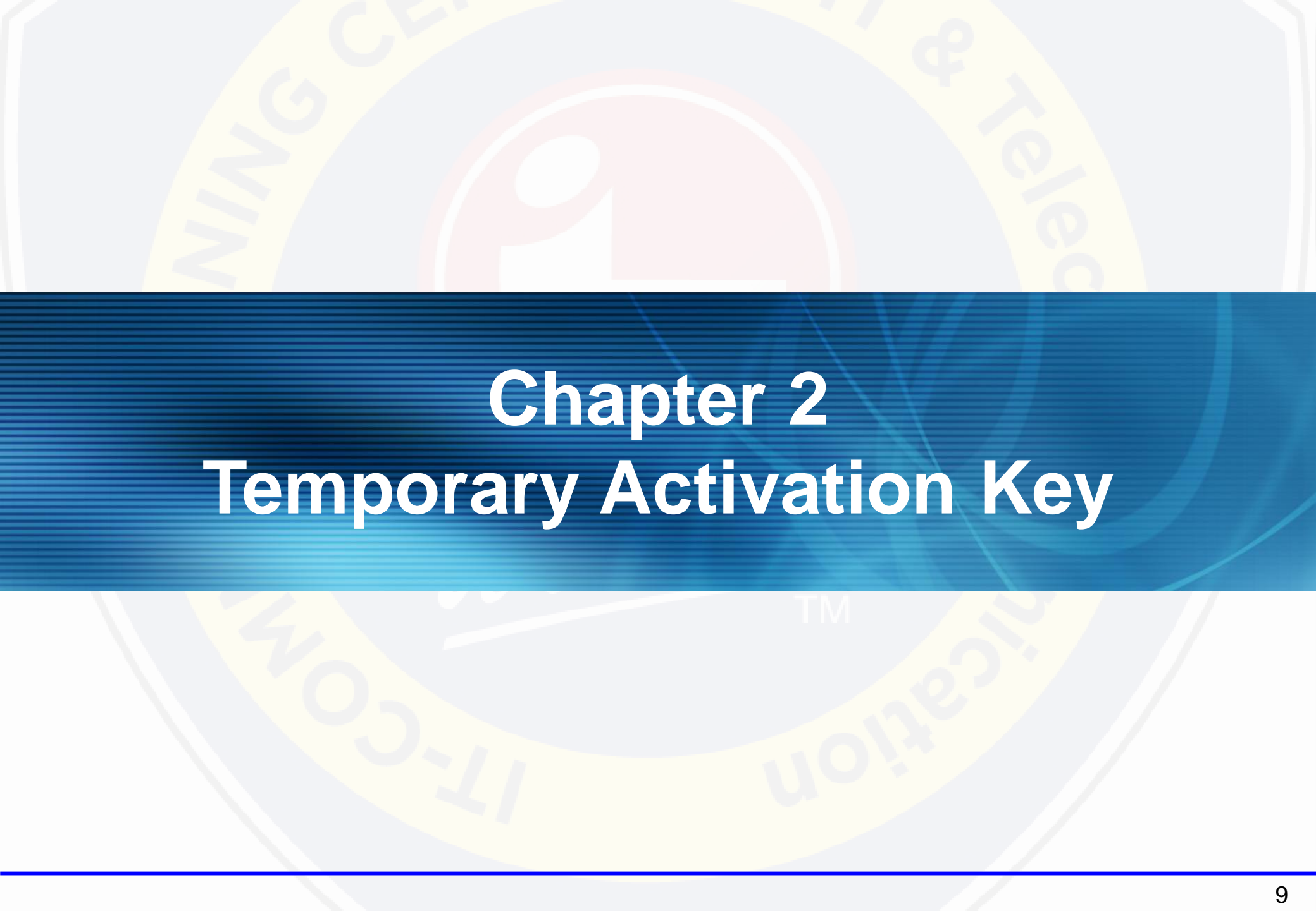
Main Intercept Destination Intercept No Answer Time CLIP UM

No.	Extension Number	Extension Name (20 characters)	Two-way Recording
1	101		ALL
2	102		Disable
3	8045		Disable

Option 4 Option 5 Option 6 Option 7 Option 8 Option 9 FWD / DND

Extension Number	Extension Name (20 characters)	PDH Delayed Ringing	Built-in Communication Assistant	Mobile Extension
101		Immediate	Enable	Disable
102		Immediate	Enable	Disable
8045		Immediate	Enable	Disable

- Extension / Cellular phone parallel ring (Keep ring after Fwd No Answer)
- Virtual PS (Cellular) in ICD group
- Remote walking COS through DISA without PIN
- Automatic DISA connection for Fwd / Transfer to detect end of call for CO-CO



Chapter 2

Temporary Activation Key

21. Temporary Activation Key

Temporary AK has 3 types.

Expiration	60-day	180-day	10-day
Built-in	Yes	No Download from KMS. KMS = Key Management System web	
AK Type	Limited AK (See next page.)	Any AK	Any AK
PBX	KX-NS PBX only	KX-TDE/NCP/NS	KX-TDE/NCP/NS
Purpose	Trial If user likes the feature, sell regular AK. 60-day trial can start anytime for each feature.	Pay Later When dealer installs PBX hardware and inventory of AK is not enough, dealer can get this AK now and has to buy regular AK in 180-day.	Demo (and so on) When sales company or dealer wants to do demo, this AK is useful.
Remark	Trial is available only one- time for each one feature.	Download is available only one-time for one MPR card.	Download is available repeatedly .

22. Built-in Temporary AK for Trial

Activate Pre-installed Activation keys

Activated feature	Pre-installed	Ac
In Place Upgrade (24h)	0	000

Activate Pre-installed Activation keys

Type of Activation Key	Status	Expiration Date	Selection
One-look Network	Expired	2011/11/23	<input type="checkbox"/>
Two-way Recording Control			<input type="checkbox"/>
Message Backup			<input type="checkbox"/>
UM/E-mail (128 user)			<input type="checkbox"/>
Two-Way Recording (30 users)	Expired	2011/12/3	<input type="checkbox"/>
CTI interface			<input type="checkbox"/>
Mobile Extension (30 users)			<input type="checkbox"/>
CA PRO (128 users)			<input type="checkbox"/>
CA Supervisor (1 user)			<input type="checkbox"/>
CA Operator Console (1 user)			<input type="checkbox"/>
CA Thin Client Server			<input type="checkbox"/>
CSTA Multiplexer			<input type="checkbox"/>

OK

Cancel

Apply

23. After Expire

When 10-day AK or 180-day temporal AK is expired, system restarts automatically at midnight.
You can view and delete temporal AK file manually before expiration.

The screenshot displays a software interface with a sidebar on the left and a main content area. The sidebar includes sections for 'Status', 'System Control', 'Tool', and 'Utility'. Under 'Utility', there are folders for '1.Diagnosis' and '2.File', and a list of actions: '1.File Transfer PC to PBX', '2.File Transfer PBX to PC', '3.File View', '4.File Delete', and '5.Message file'. The '3.File View' option is highlighted in orange. The main content area is titled 'File View' and contains a table with the following data:

File Name	Date	Time	Size
LI			
LIC020	05/31/2012	10:08:56	244 bytes
LIC021	10/19/2012	13:58:06	244 bytes
LIC022	08/19/2013	19:17:24	244 bytes

Below the table, there is a smaller version of the same interface, where the '4.File Delete' option is highlighted in orange. At the bottom of the interface, there is a pagination bar showing 'Page 1 of 6' and 'View 1-20 of 120'. A red circle highlights the 'Delete' button in the bottom right corner.



Thank you !

Revision

Date	No. (*)	Change
Sep 11	-	First edition
Dec 14	-	Picture was revised.

U can trust
TM