

< SPEC of VOIP Tandem >

30th NOV, 1999

1. Concept

1.1 VOIP to BRI Tandem Call

- VOIP to BRI-T call will be made when receiving BRI access code (ex, 9) from VOIP side.
- IKP can restrict VOIP to BRI-T call by using option
- BRI-T access code should be inserted in the DDI table

1.2 BRI to VOIP Tandem Call

- This uses like the concept of DISA flow.
- According to PSTN environment, it can be divided by 3 different case of concept.
 - i) In case BRI is Point-to-Point Normal mode (MMC419 BRI Option -> BRI mode: P-P NORMAL)
 - ➔ IKP should reserve a special BRI port to VOIP Tandem Line. (refer MMC410 VOIP Tandem Line)
 - ii) In case of DDI mode (MMC419 BRI Option -> BRI mode: P-P DDI)
 - ➔ IKP should assign a special incoming tel number to VOIP Tandem service. (refer MMC714 DDI table)
 - iii) In case of MSN mode (MMC419 BRI Option -> BRI mode: P-M MSN)
 - ➔ IKP should assign a special incoming tel number to VOIP Tandem service. (refer MMC421 MSN table)
- IKP can restrict BRI-T to VOIP call by using option
- About Remote User service flow,
 - Step1) After input the assigned VOIP access tel number, the remote user can VOIP Dial Tone. (refer to MMC408 TRK MOH Source)
 - Step2) Remote user should input VOIP password if the option is assigned. (STN number + Password except 1234) (refer to MMC210 VOIP Tandem Password)
 - Step3) Remote user can dial digits he wants. (ex, 881+XXXXXXX for VOIP call, 201~220 for IKP STN)

2. Related Data Base

2.1 VOIP to BRI-T Tandem DB

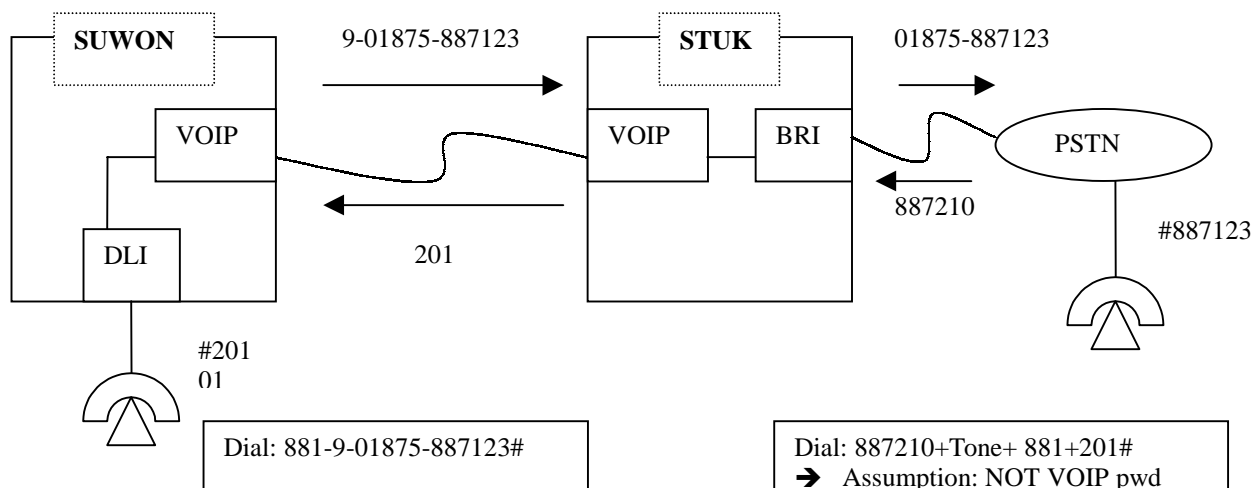
MMC No	Description	Remark
[MMC821] VOIP->BRI Tandem Yes/No	It can allow VOIP->BRI tandem call	Default value: NO
[MMC714] DDI Table digit day night CW del 9 9 9 no 0	After analyzing digits from VOIP side, it can make an outside call if BRI trunk access code.	Digits can have different value according to access code.

2.2 BRI-T to VOIP Tandem DB

MMC No	Description	Remark
[MMC821] BRI->VOIP Tandem Yes/No	It can allow BRI->VOIP tandem call	Default value: NO
1. If BRI mode is P-to-P Normal [MMC410] VOIP tandem line Normal/Day/Night/Both Ex) Both	For VOIP tandem call, you can change a BRI port to 1 VOIP tandem port .	Default value: Normal
2. If BRI mode is P-to-P DDI [MMC714] DDI Table ex) digit day night CW del 210 881 881 no 0	You should insert special tel number.(ex, 210) assigned for VOIP tandem call.	Day/night can be trunk group number.
3. If BRI mode is P-to-M MSNI [MMC421] MSN Table ex) digit day night CW del	You should insert special tel number.(ex, 887210) assigned for VOIP tandem call.	Day/night can be trunk group number.

887210 881 881 no 0		
[MMC210] VOIP Tandem pwd:on/off	- Password option for VOIP tandem. (If ON, you should change password to another value by using MMC102 change password:))	Default value: ON
VOIP MOH :on/off	- MOH option for VOIP tandem (If ON, you should change MMC408 TRK MOH Source)	Default value: OFF

3. Configuration



Dial: 887210+Tone+ 881+201#
 ➔ Assumption: NOT VOIP pwd
 ➔ # code means Enbloc mode.
 Without # code, the call can be made after ISDN inter time(7 sec)