

32 Party Conference Card

The 32 party conference card (CFTC NEC part number #150125) is capable of supporting two types of conferencing (Group and Meet Me) with up to 32 participants. The card can be assigned as one 32 party, two 16, four 8 party, or one 16 + two 8 party conference groups. IVS2 2100 series software or higher is required for this feature.

Meet-Me

This method allows parties to call into the conference from outside or internally via a conference access code. Outside parties may be transferred to the conference or may access internal dial tone via DISA and dial the code. The typical installation will utilize a phantom/virtual station forwarded all calls to the conference access code.

Group Call

This method has the destination numbers (internal or external) for the conference members, pre-programmed in the PBX. The conference leader establishes the conference by dialing an access code only, before waiting for the conference members to answer.

There are 4 different types of Group Call

Group Call Automatic type 0- Conference continues after leader hangs up.

Group Call Automatic type 1- Conference completes once leader hangs up.

Group Call Broadcast- Only the leader is heard in the conference.

Group Call Two-Way- The leader is connected to the first conference party that answers and all other participants cease ringing.

Programming Procedures

Meet Me (Numbers used for trunks , routes, etc are examples only)

1. Set the AP sense wheel on the CFTC card to an available setting E.g. 07
2. **CM 050>07>09** Assigns the Sense wheel **07** as a DTI card (**09**).
3. **CM 0701>0700-0731>D150-D181** To the sense wheel **07**, channels **00~31** assign 32 trunks. All channels must be assigned.
4. **CM AA10>07>3** Set the CFTC card for the required number of parties see **Note:1**
5. **CM 3000>150~181>25** Assign trunks from step 2 (**150~181**) to a trunk route (**25**).
6. **CM 3500>25>04** Set the trunk route (**25**) as TIE (**04**).
7. **CM 3501>25>2** For the trunk route (**25**) set the dialing signal type to Dial Pulse (**2**).
8. **CM 3503>25>10** For the trunk route (**25**) assign a name block. Available are 00~14.
9. **CM 3504>25>2** Assign the trunk route (**25**) for Answer signal arrives (**2**).
10. **CM 3509>25>06** Set the trunk route (**25**) for 2nd DT/Timing Start-Tie line (**06**).
11. **CM 3536>25>0** Set the trunk route (**25**) to seize a trunk only after the max digits are met in CM 85.
12. **CM 35159>25>0** Flag the trunk route (**25**) as 32 Party Conference route.
13. **CM 772>10>436F6E66** For the name block (**10**) assigned in step **8** assign the character code for the Dterm display to show Conf
14. **CM EC6>0>0** Wait for back up and reset the MP.
15. **CM 200>85>A127** Assign and access code to an available LCR group.
16. **CM 8AA000>1>4000** Assign the LCR Group (**1**) to a Development Pattern (**4000**).
17. **CM 8A4000>5>0005** Point the dialed digit (**5**) to a route pattern (**0005**). If more than one conference group is being used additional dialed digits and route patterns would be needed for each conference group/route.
18. **CM 8A0005>1>00525** Point the 1st choice (**1**) of the route pattern to an LCR pattern (**005**) and the trunk route (**25**).
19. **CM 8A5005>152>0** For the LCR Pattern (**005**) delete the dialed digits in step **17**.
20. **CM 8A5005>100>9005** For the LCR Pattern (**005**) assign a **Digit Addition Pattern**.
21. **CM 8A9005>0>999** Assign to the Digit Addition pattern the code for Meet Me Conference (**999**).
22. **CM 850>5>01** Set the Maximum digits dialed in the Development Pattern.
23. **CM 9000>X-XXXXXX>F0B54** To the Dterm Feature key of the conference leader add the 32 Party Conference lock key. Must have 3500 series software (R10) or higher for this feature key.

Group Call (First complete steps 1 through 13 of the Meet Me feature)

24. **CM 5700>00-30>Station or Outside number.** See [Note:2](#)
25. **CM 200>85>A127** Assign and access code to an available LCR group.
26. **CM 8AA000>1>4000** Assign the LCR Group (**1**) to a Development Pattern (**4000**).
27. **CM 8A4000>1>0051** Dialed digit **1** for **Group Call Automatic Type 0 Grp. 00**
28. **CM 8A4000>2>0052** Dialed Digit **2** for **Group Call Automatic Type 1 Grp. 00**
29. **CM 8A4000>3>0053** Dialed digit **3** for **Group Call Broadcast Grp. 00**
30. **CM 8A4000>4>0054** Dialed digit **4** for **Group Call Two-Way Grp. 00**
31. **CM 8A0051>1>10125** LCR pattern **101** for Group Call Automatic Type 0.
32. **CM 8A0052>1>10225** LCR pattern **102** for Group Call Automatic Type 1.
33. **CM 8A0053>1>10325** LCR pattern **103** for Group Call Broadcast.
34. **CM 8A0054>1>10425** LCR pattern **104** for Group Call Two-Way.
35. **CM 8A5101-5104>152>0** For the LCR Patterns (**101~104**) delete the dialed digits in step 26~29.
36. **CM 8A5101-5104>100>9100-9104** For the LCR Pattern (**101~104**) assign a **Digit Addition Pattern**.
37. **CM 8A9101>0>000** See [Note:3](#)
38. **CM 8A9102>0>100** See [Note:3](#)
39. **CM 8A9103>0>200** See [Note:3](#)
40. **CM 8A9104>0>300** See [Note:3](#)
41. **CM 850>1~4>01** For development pattern 0 digits **1~4** = 1 digit dialed.
42. **CM 413>16>NONE** Called parties ring for 30 seconds before being abandoned.

Note:1

CM AA10 can be set for 4 different conference group configurations on the 32 party card.

0 = 8 + 8 + 8 + 8 parties. This requires **4** trunk routes in step 5.

1 = 16 + 8 + 8 parties. This requires **3** trunk routes in step 5. The first **16** trunks (channels 00~15) **MUST** be placed in one trunk route and then the next **8** another, and the last **8** another.

2 = 16 +16 parties. This requires **2** trunk routes in step 5.

3 = 32 parties. This requires **1** trunk routes in step 5.

When multiple routes are utilized each one should be programmed the same in CM 35.

The assignment in CM AA10 also controls the first data in CM 57. E.g. If AA10 is set to a 0 then the first data of CM 57 is limited to 00-07. If AA10 is set to a 2 then the first data of CM 57 is limited to 00-15 etc.

Note:2

CM 57 supports the assignment of D-term, SLT, Virtual, PSII, Attcon, and outside parties E.g. 9,12145551212.

Up to 8 groups can be programmed (57 YY=00-07) with a maximum of 31 participants in each group.

Note:3

Data assignment for 8A9XXX in step 36~39 is **XZZ**

X = Type of Group Call

0 = Group Call Automatic Type 0

1 = Group Call Automatic Type 1

2 = Group Call Broadcast

3 = Group Call Two-Way Calling

ZZ = Group number assigned in CM 57 YY= 00-07 Step 23 in the prog procedure.

Note:4

The 32 party card can be broken into different groups and used for Meet Me Conferencing. If this is the case the conference trunks must be placed into different Trunk Routes to match the pattern assigned in CM AA10. [See Note:1](#) Routes must be programmed as shown in steps 5-11 for Group Call Programming Procedure. Tandem access must then be allowed between external routes used and the CFTC routes.

CM 57 is not required for Meet ME conference.

Operating Procedures for the programming examples

Meet Me

1. Lift handset and dial the LCR conference access code 85.
2. Dial the Meet Me access code 5.
3. Outside parties can join the conference by being transferred to 855 or by accessing internal dial tone via DISA and then following steps 1 and 2. Outside parties can also dial a trunk number that is terminated to a station call forwarded all to 855. A tone is heard by all parties as a new party joins the conference.
4. Conference leader depresses the Conference Lock key and no more participants can enter.

Group Call Automatic Type 0

1. Lift handset and dial the LCR conference access code 85.
2. Dial the Group Call Automatic Type 0 access code 1. The card will call all participants in Grp 00 as assigned in CM 57. D-terms will display CNF GROUP00.
3. If the conference leader hangs up the conference will continue.

Group Call Automatic Type 1

1. Lift handset and dial the LCR conference access code 85.
2. Dial the Group Call Automatic Type 1 access code 2. The card will call all participants in Grp 00 as assigned in CM 57. D-terms will display CNF GROUP00.
3. If the conference leader hangs up the conference is ended and all participants are released.

Group Call Broadcast

1. Lift handset and dial the LCR conference access code 85.
2. Dial the Group Call Broadcast access code 3. The card will call all participants in Grp 00 as assigned in CM 57. D-terms will display CNF GROUP00.
3. In the Broadcast conference only the conference leader can be heard.

Group Call Two-Way

1. Lift handset and dial the LCR conference access code 85.
2. Dial the Group Call Two-Way access code 4. The card will call all participants in Grp 00 as assigned in CM 57. D-terms will display CNF GROUP00.
3. In the Two-Way conference the conference leader is connected to the first party in the called group that answers. At that point, all other parties will stop ringing.