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SV8100 T1-CCIS

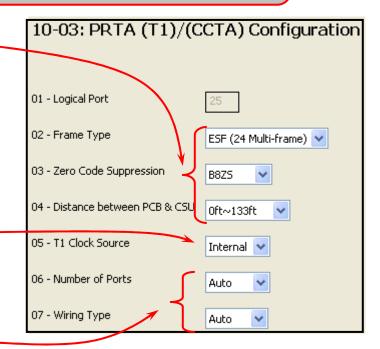
T1 CCIS on the SV8100 will allow connection to any other NEC Key or PBX system that supports T1 CCIS protocol. No license is needed for this feature and it is available in all software revisions of the SV8100. The slot, trunk, and trunk group numbers in this doc are suggestion only. The SV8100 will support up to 8 CCIS –T1 spans.

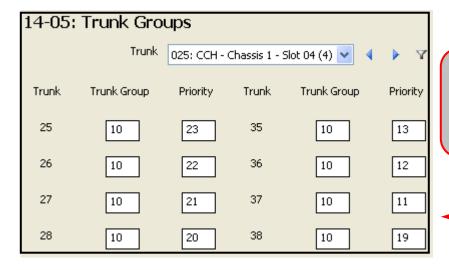
Each CCIS-T1 link requires a dedicated trunk for the CCH (Common Channel Handler data trunk) and trunk or trunks for the voice channels. Up to 127 voice trunks (five T1's) can be supported by one CCH trunk.



1. Install the CCTA blade. Confirm the allocated trunk numbers from the Blade Configuration or CM 10-03. If this is to be a partial span make sure CM 10-39 is enabled before installing the blade. Trunk numbers for a partial span will not be visible until step 4 below is executed.

- **2. CM** 10-03 Assign the correct line coding for the circuit. Also set the distance between the CCTA blade and the CSU installed on the T1 circuit.
- 3. CM 10-03-05 Assign T1 Clock Source. This determines where the SV8100 gets its timing for the T1 circuit. If there is already an ISDN PRI installed in the cabinet the CCTA MUST be set to Internal and it will use the timing from the PRI. If it is the only digital span in the system then the PBX at the other end of the circuit can supply the clocking from it's PRI by setting this to External If neither systems has a PRI one site must be set as the Master clock (Internal setting) and the other would be set to slave from it (External setting). Make sure installed CSU's are passing the clock source and not supplying it.
- **4.** CM 10-03-06 If you assigned CM 10-39 in step 1 you must set the number of trunks for the span. After selecting the number the CCTA blade must be reset. Only then will CCTA trunks be visible. Wiring type should be left to **Auto** in CM 10-03-07

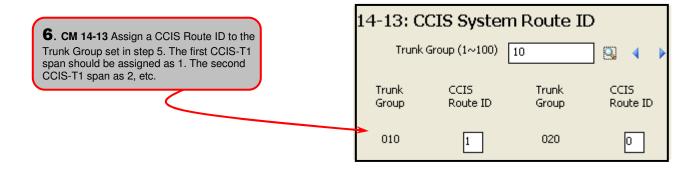


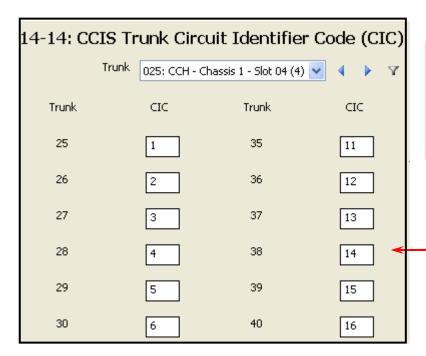


5. CM 14-05 Place the CCTA trunks in a unique trunk grp. DO NOT USE TRK GRP 1. The CCH trunk (Data trunk) is also assigned to this same trunk group. Also set the trunk order opposite to the order of the trunks in the other site. If the other site is high to low set your site for low to high.

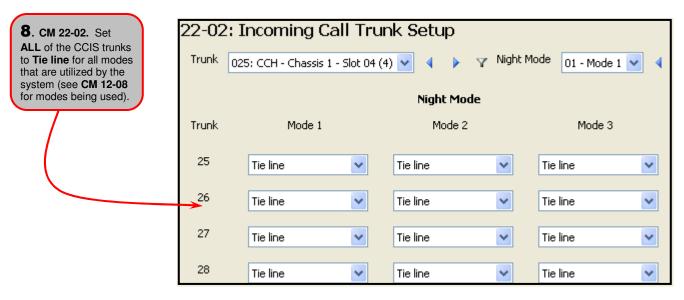
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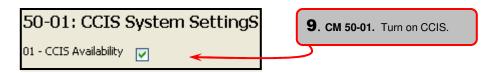


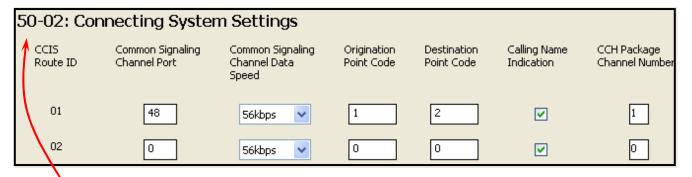
7. CM 14-14. A CIC must be assigned to each voice channel trunk. DO NOT assign a CIC to the CCH (Data trunk) channel. The CIC assignment MUST match the assignment in the other connected system. That is the first CCIS trunk in either site (regardless of trunk #) must be assigned as CIC 1, the 2nd trunk as CIC 2 etc. If you have multiple CCIS-T1 spans to different locations the first trunk of each span should start with CIC 1.



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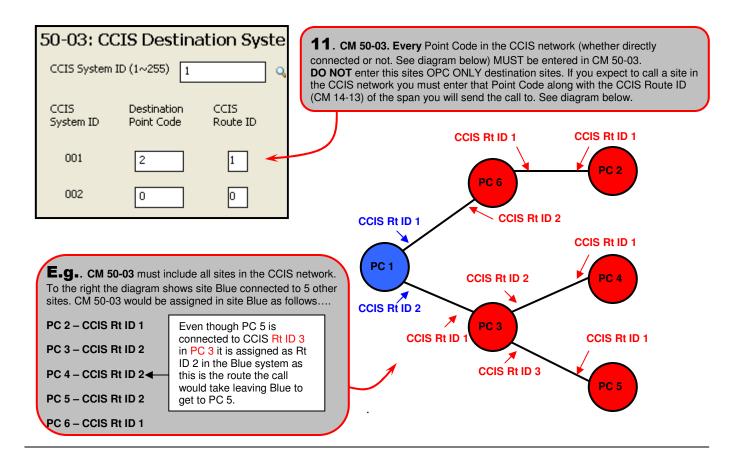
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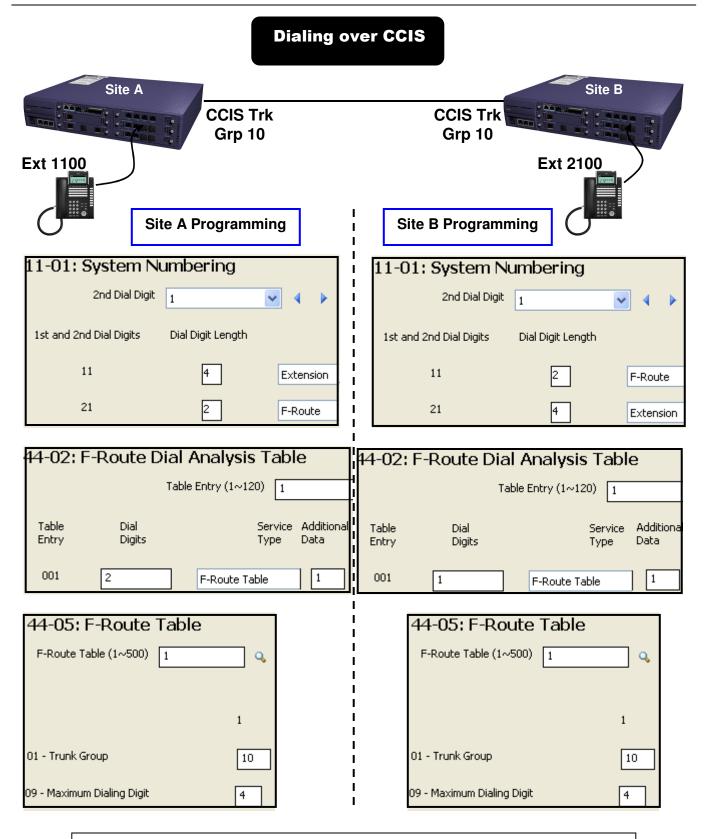
10. CM 50-02.

- a. Common Signaling Channel Port is the number of the trunk you are using for the CCH (data trunk). This setting MUST match the same T1 channel number in the opposite system. Most installs use the last trunk for the CCH but any trunk can be uses as long as both sites are looking at the same channel.
- b. It is recommended to leave the Common Signaling Channel Data Speed to 56kbps (this must match the same setting in the opposite system).
- c. The Origination Point Code is the unique Point Code you assign this system (1~16367). The Destination Point Code is the unique Point Code (1~16367) of the system this CCIS span is connecting to.
- d. Calling Name Indication allows station name and Caller ID information to be passed over the CCIS link.
- e. CCH Package Channel Number identifies which of the 8 possible CCH channels this link is utilizing. Always start with Package 1 for the first and Package 2 for the second etc. This assignment does **NOT** have to match the same assignment in the opposite system.



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For additional CCIS features such as Page over CCIS, Centralized VM, DSS/BLF over CCIS, etc, please see the P2P CCIS Cheat Sheet.

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