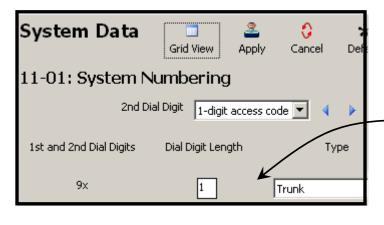
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Basic ARS/LCR

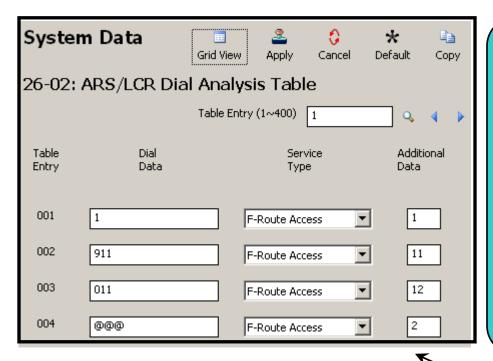
Basic ARS is necessary in many cases to help speed up call processing on outgoing trunk calls. This is especially important for calls made out over ISDN and CCIS. This cheat sheet is describing basic ARS assignment which is highly recommended for any install with ISDN or regular POTS trunks.



First make sure the numbering plan has your outgoing trunk access code set to *Trunk* in *CM 11-01*. This is typically a *9* in Nth America but can be assigned to any access code.

Next go to *CM 11-09-01* and make sure the access code is also assigned here as the *Trunk Access Code*.

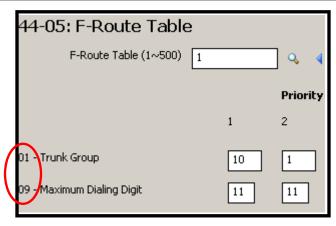




The next step is to assign the actual digits dialed by the user in *CM 26-02*. Only the leading digits need be assigned for basic operation. The entries as shown will cover just about any type of call. Assigning the call to an F-Route allows you to stipulate the maximum digits dialed speeding up the call progress necessary for some ISDN applications.

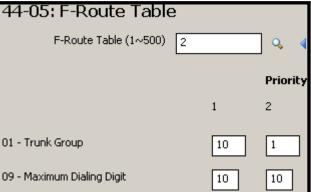
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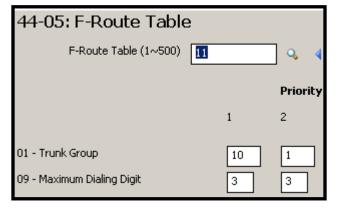
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Go to *CM 44-05* and assign the *F-Routes* previously set in the *Additional Data* entry in *CM 26-02*. The only entries required for basic operation are *01* (*Trunk Group*) and *09* (*Maximum Dialing Digit*). Here *F-Route 1* is assigned for 1+ dialing which is 11 digits long.

F-Route 2 is assigned for local dialing at **10** digits long (maybe a 7 in some areas). The trunk group in the **Priority 1** column is the first choice for the outgoing call. If this trunk group is busy another trunk group, if available, can be assigned in the **Priority 2** column. Here trunk group 1 is utilized for the call when all the ISDN PRI trunks (10) are busy.





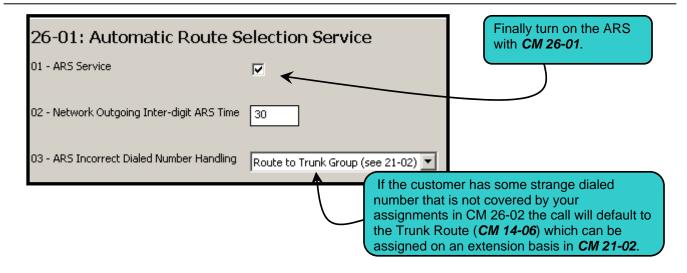
F-Route 11 is for 911 emergency dialing.

F-Route 12 is to cover 011 international dialing. The 16 digits is usually long enough to cover calls to most countries. Setting this to the correct number of digits is close to impossible in that different countries have multiple lengths of numbers in their dialing plan.

44-05: F-Route Table	<u> </u>		
F-Route Table (1~500)	12] 🔍 🕢
			Priority
		1	2
01 - Trunk Group		10	1
09 - Maximum Dialing Digit		16	16

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With all changes completed make test calls to confirm correct operation. Also make sure the emergency routing works correctly. You should notice a marked improvement in the speed of an outgoing call over ISDN once the ARS is assigned correctly.

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