Number Substitution Template – The Rules

Here are examples of possible combinations in the Substitution templates. Note, Wildcards function the same as they do in the Accept/Reject lists. A "Best match" or more specific match will rank above a more generic one (ie: $)

DNIS Substitution - Not valid for Pktvoice Dialplan entries

- ❑ " , " are ignored in the Orig Column.
- ❑ " , " represent a ½ second pause when used in the Substitute column. (For RBS Entries only, ignored on ISDN entries)
- ❑ " [" must be accompanied by "] ", contents within brackets must be numbers [123…] and may be separated by commas in the Orig Column.   Commas within brackets are **NOT** allowed in the Subst Column.
- ❑ " $ " may only be used by itself in the Orig column.
- ❑ " $ " may be used in the Subst column but must be at rightmost of string.
- ❑ " X " matches [0-9], may be used in Orig column. If used in Subst column, position in string must match with respect to the least significant digit.
- ❑ " N " matches [2-9], may be used in Orig column. If used in Subst column, position in string must match with respect to the least significant digit.

Note: On an RBS User Term, DID must be enabled for the DNIS Substitution Template to have any effect. If the DNIS sent is greater than 16 (max DID), the 16 Least Sig. Digits will be sent out of the port.

DNIS Original	DNIS Substitute	Description – Possible uses
$	256$	Any number dialed will have 256 prepended to it.
$	555-1000	Dial a single number regardless of the number dialed.
$	555-1000, $	Dial a specific number (ie: 5551000), pause for ½ second (the " , ") then dial the original number. More than one comma may be used…each comma represents a ½ second wait. This should only be configured on RBS endpoints…the pause could be waiting for a second dialtone.
Nxx-xxxx	256-Nxx-xxxx	Format a local call for 10 digit dialing.
205-Nxx-xxxx	256-Nxx-xxxx	Modify the Area code.
1-Nxx-xxx-xxxx	Nxx-xxx-xxxx	Format a typical LD call for 10 digit dialing.
1-Nxx-xxx-xxxx	10-10-220-Nxx-xxx-xxxx	Insert a Pick code for LD calls.
411	256-555-1212	Redirect 411 information calls.

ANI Substitution – Only valid for PRI, Feature Group D links and UT BRI (not NT BRI)

The ANI Substitution template search will only be executed if a successful match is made in the DNIS substitution template. If a user only wants to modify the ANI information for outbound calls, simply create a single entry in the DNIS Substitution template w/ both the Original and the Subst entries set to "$". This will match all calls, but not change the number that was dialed. It will only change the ANI information should a match be found in the ANI substitution table.

It should be noted that a call that has a "blank" or "empty" ANI field will not be a match for an entry in the ANI Orig column of "$". In this case, the calling party information, or lack thereof, will be preserved.

PRI NOTE: The PRI Interface Config option for Outgoing Caller ID is processed **AFTER** any ANI Substitution is checked. Therefore, whatever it is set to, will be the final vote on the contents of the Caller ID / ANI information sent out of the PRI interface.

When setting up entries in the ANI Substitution template, remember that North American originated calls going to telco should normally be formatted for 10 digits. Therefore, strings of 7 digits or 10 digits will be the norm in the ANI Substitute column.

- ❑ " , " are ignored in both the Orig and Subst. Column.
- ❑ " [" must be accompanied by "] ", contents within brackets must be numbers [123…] and may be separated by commas in the Orig Column.   Commas within brackets are **NOT** allowed in the Subst Column.
- ❑ " $ " may only be used by itself in the Orig column.
- ❑ " $ " may be used in the Subst column but must be at rightmost of string.
- ❑ " X " matches [0-9], may be used in Orig column. If used in Subst column, position in string must match.
- ❑ " N " matches [2-9], may be used in Orig column. If used in Subst column, position in string must match.

ANI Original	ANI Substitute	Description – Possible uses
$	256$	All ANI information will have 256 prepended to it. (not very common)
$	256-555-1000	Send a single number no matter who dialed.
xxxx	256-555-xxxx	Format a 4 digit extension to be sent out as a 10 Digit ANI.
25xx	256-555-3500	Send out the DID number for Extension 3500 even though extensions within the range of 25xx made this call. (maybe useful for 911 situations)
44-171-xxx-xxx (UK – London Inner - 11 digits)	44-xxx-xxx (Remove London code – 8 digits)	Reduce the ANI that comes in from Telco on an International call and format it to fit for systems that can't accept more than 10 digits.
202-Nxx-xxxxx (11 digits)	00-Nxx-xxxxx (now 10 digits)	Reduce ANI length on calls from a particular Area code that have an extra digit appended to it.

Troubleshooting Tips

Question: I need to know the ANI for International calls that are coming in. Is there a way the Atlas can assist in doing this?

Answer: Yes, the easiest way to do this is to create an Entry in the Substitution template where DNIS orig and DNIS Subst. Are both $. Now, under System Config/Event logging, change Switchboard to "Info" and monitor the events under System Status/Event Log. You will now see the ANI for all calls that are accepted on the Interface where the Entry of DNIS Orig $ and DNIS Subst $ was entered. (Output Example: ANI 2565551000 / DNIS 5551111)

Question: My customer wants to insert an ANI for calls that have no ANI coming in. Can this be done?

Answer: Yes, simply make an entry where the Orig Number is "--". Now, enter the Subst. number you wish to send. (this ability was made readily available w/o a conflict message in C.09.03)