

Product Bulletin

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Trunk Anti-Tromboning

Feature Description

In a Meridian 1 ISDN network environment, Trunk Anti-Tromboning (TAT) eliminates redundant trunks for calls that are answered after being redirected or modified. When these redirected or modified calls are sent back to the originating node and the calls are established, an anti-tromboning operation releases the redundant trunks. This operation eliminates the use of extra network trunking facilities for the duration of the call, and is performed after the third party answers and the call is established.

Trunk Anti-Tromboning can co-exist with the existing Trunk Route Optimization - Before Answer (TRO) feature since TRO optimizes a redirected call before it is answered, and TAT takes effect after the call is answered. When both features are equipped, TRO takes precedence over TAT when applicable.

Trunk Route Optimization and Trunk Anti-Tromboning operations will be invoked for calls that have been redirected/modified via:

- Network Call Forward Unconditional
- Network Call Forward No Answer
- Network Call Forward Busy
- Network Call Forward by Call Types
- Network Hunt
- Network Call Transfer
- Attendant extended calls
- Conference

Note: TAT will be invoked only when there are two parties remaining in the conference using PRI trunks.

This feature eliminates the tromboning ISDN PRI B-channels, ISDN Signaling Link (ISL) trunks, or Virtual Network Services (VNS) trunks between Meridian 1 switches, or between Meridian 1 and DMS switches (including SL-100) that are equipped with the Release Link Trunk (RLT) feature. The trunks involved must be associated with the same primary D-channel and the same customer, and the D-channel must reside on an NT6D80 Multi-Purpose Serial Data Link (MSDL) card or an NTBK51 Downloadable D-Channel. On Options 21-81C, a QPC720F PRI pack is a requirement for successful feature operation.

Trunk Route Optimization (TRO) is not supported between the Meridian 1 and DMS switches. Therefore the anti-tromboning operation will only be performed after a call is answered.

Note: On the Option 11E, TAT will be supported on a future up-issue of Release 21 for ISL/VNS configurations, in conjunction with an updated NTAK02 SDI/DCH circuit pack. Release 21.35 supports TAT on PRI trunks associated with a Downloadable D-Channel, NTB51.

Software and Packaging

X11 Release 21.35 software is a requirement for feature operation.

A new software option package number 312, Trunk Anti-Tromboning (TAT), must be provisioned to activate this feature. This package requires the ISDN Signaling (ISDN) software option package number 145 and, depending upon the supported configuration, the ISDN Primary Rate Access (PRA) software option package number 146 or ISDN Signaling Link (ISL) software option package number 147. The Advanced Network Services (NTWK) software option package number 148 is optional. The U.S. ordering code for TAT is SW0052D for Options 21-81C.

Note: The TAT software package must be equipped at the originating, tandem, and terminating nodes.

Service Change Parameters

To activate the Trunk Anti-Tromboning feature, a change in overlay 17 is required.

Prompt	Response	Description
REQ	CHG	
TYPE	CFN / ADAN	
ADAN	NEW / CHG / MOV DCH #	
CTYP	MSDL	
...	...	
RCAP	TAT XTAT <CR>	Invoke Trunk Anti-Tromboning operation if the far end switch also supports this feature. Turn off the Trunk Anti-Tromboning operation

The addition of TAT within the RCAP prompt is a requirement for the originating, tandem, and terminating nodes within the MCDN ISDN network.

For additional information, refer to NTP 553-2901-100 which is included in the *Release 21 General Release Bulletin Addendum 1* that is shipped with system software. Upon introduction of X11 Release 22, the TAT section will be incorporated into the general suite of Meridian 1 NTPs and will be available for order at that time.

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