

SBC Call Routing Reference for Dummies

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This document provides a brief description of each element within a Call Route.

✓ Related Articles

- Managing Signaling Groups
- Managing Call Routing Tables
- Managing Transformation Tables
- Managing SIP Server Tables
- Working with Media

Prerequisites

- ✓** Assumes the user is familiar with navigating the SBCx000's WebUI

Call Route Entry Reference

Figure 1: Call Route Entry

The screenshot displays the 'Call Route Table' configuration interface. At the top, there is a table listing three call route entries. Below this, the 'Route Details' section is expanded, showing various configuration options for a selected route. The 'Destination Information' section includes options for destination type, message translation, and signaling groups. The 'Media' section includes transcoding settings, and the 'Quality of Service' section includes metrics for calls, retries, and jitter. Numerous green callout boxes provide detailed explanations for these settings.

Admin State	Priority	Transformation Table	First Signaling Group	Description	Fork Call
<input checked="" type="checkbox"/>	1	Passthrough Untouched	(SIP) sba: UC Mediation	Passthru to Lync	Yes
<input checked="" type="checkbox"/>	1	EUM Leave voicemail, get callee's unbox number	(SIP) Exchangs 2010	Failover: to EUM to leave voicemail	No
<input checked="" type="checkbox"/>	1	Cells to Mobile	(ISDN) ISDN to 242.0 vxgw	Failover: to Mobile	No

Route Details

- Description: Passthru to Lync
- Admin State: Enabled
- Route Priority: 1
- Call Priority: Normal
- Number/Name Transformation Table: Passthrough Untouched

Destination Information

- Destination Type: Normal
- Message Translation Table: None
- Cause Code Reroutes: Disabled
- Cancel Others upon Forwarding: Yes
- Fork Call: Disabled
- Destination Signaling Groups: (SIP) sba: UC Mediation

Media

- Media Transcoding: Enabled
- Media List: cba: UC Media List w/ Crypto

Quality of Service

- Quality Metrics Number of Calls: 10
- Quality Metrics Time Before Retry: 10
- Min. ASR Threshold: 0
- Min. MOS Score: 0.0
- Enable Max. R/T Delay: Enabled
- Max. R/T Delay: 9999
- Enable Max. Jitter: Enabled
- Max. Jitter: 3000

Annotations:

- Enable/Disable this Route:** Controls the administrative state of the route.
- Used with E911. Sets the PRIORITY header:** Sets the priority of the call.
- Adjusts order of call route processing:** Routes are sorted first by priority, then top-to-bottom order. 1=highest priority.
- Transformation Table's Name:** The name of the transformation table to be applied.
- 1. Any Normal (standard) destination, 2. A destination SG that has a Flagstar Table, 3. If Transformation Table evaluates TRUE. Dary (reject) the call.** Rules for destination selection.
- If the call is rejected with a Cause Code present in this list, then proceed to the next call route, otherwise, disconnect incoming call leg.** Handling of cause codes.
- If the Transformation Table succeeds, send the call out the listed Signaling Group(s).** Action after transformation success.
- Permits changes like turning 183 Progress into 180 Ringing, changing ISDN IE's, or discarding selected messages.** Message translation capabilities.
- Imagine a forked call to Lync and mobile, and Lync is forwarded to the mobile. Unless this is enabled mobile will receive two calls, forked and forwarded.** Fork call behavior.
- Simultaneously process this route and next route in the table. Place calls to both routes.** Fork call processing.
- Controls transcoding, such as incoming SIP g 711 to outgoing SIP g 723. (Not required for ISDN to SIP calls.)** Media transcoding settings.
- Provides the ability to select codecs based upon the individual route.** Codec selection per route.
- Creates a list of codecs common between the incoming SG and the route codec list.** Ingress codec list.
- Creates a different list of codecs common between the call route and the egress SG.** Egress codec list.
- Transcodes between the ingress and egress, if the final codecs for the call legs are different.** Transcoding between legs.
- Answer to Seizure (attempts) Ratio. If the percentage of completed calls falls below this number, disable the route for Time Before Retry time.** Answer to seizure ratio.
- 0=disabled** Answer to seizure ratio setting.
- Not implemented.** Min. ASR Threshold.
- If Enabled and the RTT delay exceeds the set value, disable the route for the Time Before Retry time. Calculated from RTCP information.** Max. R/T Delay.
- If Enabled and the Jitter delay exceeds the set value, disable the route for the Time Before Retry time. Calculated from RTCP information.** Max. Jitter.
- Sets the number of calls to average the RTCP statistics over.** Quality Metrics Number of Calls.
- If the route is disabled for quality issues, wait this long before using this route again.** Quality Metrics Time Before Retry.