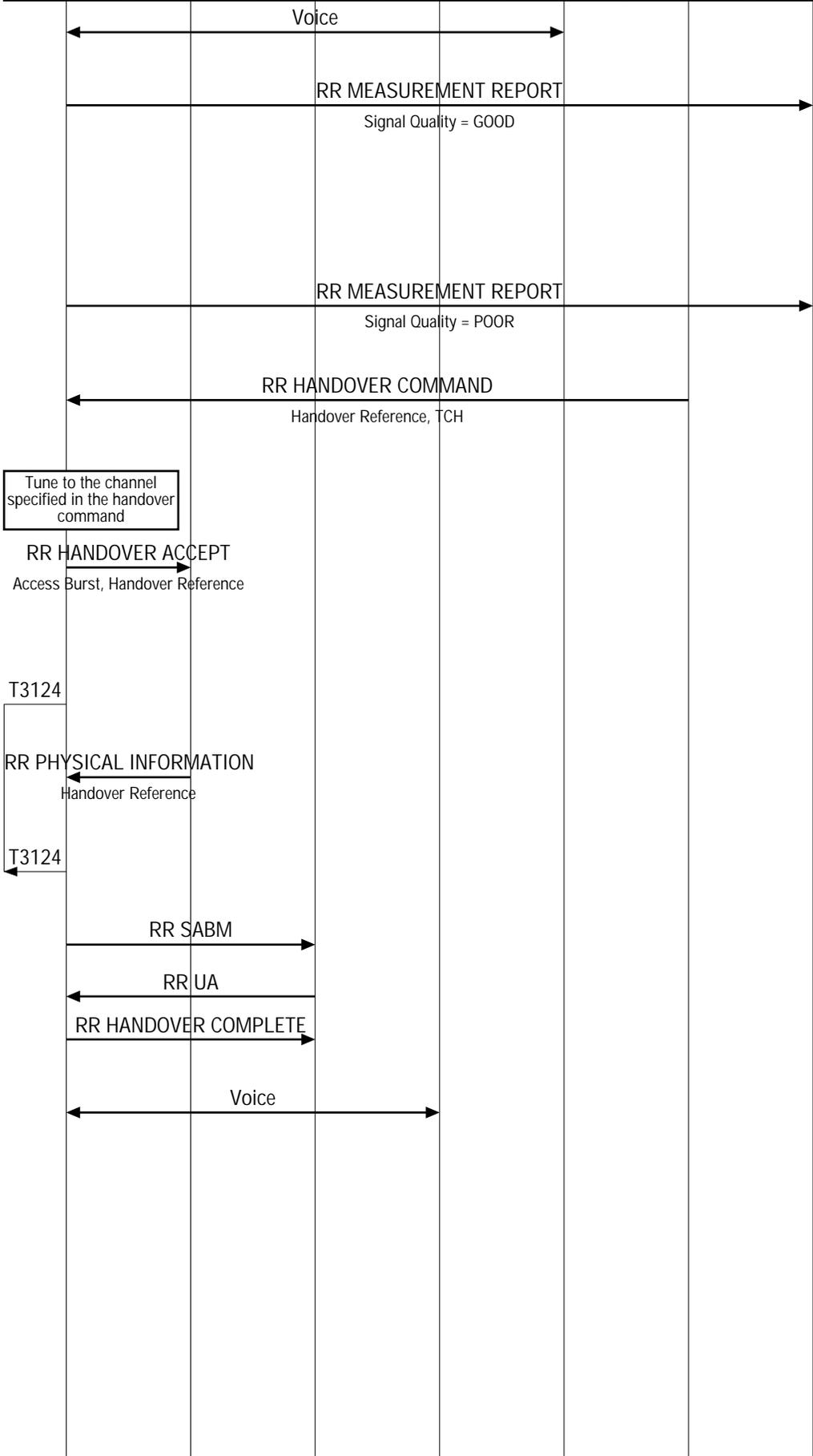


Mobile Interfaces (GSM Inter MSC Handover Call Flow)							
Highway	GSM Coverage						EventStudio System Designer 4.0
GSM Mobile	Vienna (Target)			Bethesda (Source)			
Mobile	Vienna Cell	Vienna BSC	Vienna MSC VLR	Bethesda MSC VLR	Bethesda BSC	Bethesda Cell	25-Jan-08 07:26 (Page 1)



Tune to the channel specified in the handover command

Call is in conversation. The voice path from the mobile is routed to the PSTN via the Bethesda MSC.

When a call is active, the mobile periodically reports the signal quality to the network via the Measurement Report message. This message is sent in every SACCH frame with a periodicity of 480 ms. The measurement report also includes the signal quality measurements for neighboring cells.

The mobile is at the edge of the Bethesda cell and it reports that it is seeing a much weaker signal from the Bethesda cell.

The Bethesda BSC extracts the RR HANDOVER COMMAND message from the BSSMAP message and sends it to the mobile.

The extracts the destination channel information from the message and tunes to the assigned channel.

After tuning to the assigned channel, the mobile starts sending the handover accept message. Note that this message is sent as an access burst as the mobile is not completely synchronized to send normal bursts.

The T3124 timer is started to await the PHYSICAL INFORMATION message from the network.

The mobile applies the received corrections and can now send TCH bursts on the channel. TCH bursts contain the speech from the user.

T3124 is stopped as PHYSICAL INFORMATION message has been received.

Mobile sends a SABM to establish the signaling connection.

The BSC replies with a UA message.

The mobile uses the signaling connection to indicate that the handover has been completed.

Call is in conversation after the handover. Note that the voice path to the PSTN is via the source MSC. The destination MSC routes the voice on the ISUP call between the two MSCs.