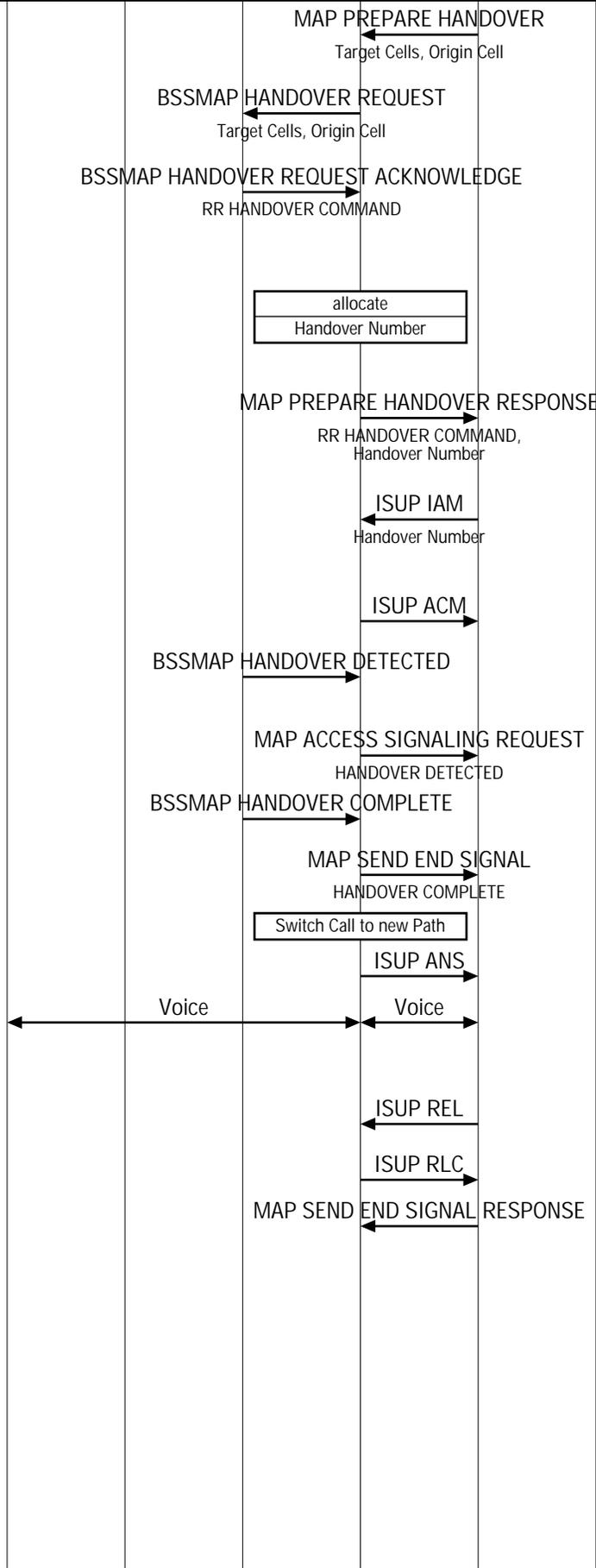


Vienna_MSC_VLR Interfaces (GSM Inter MSC Handover Call Flow)							
Highway	GSM Coverage						EventStudio System Designer 4.0
GSM Mobile	Vienna (Target)			Bethesda (Source)			
Mobile	Vienna Cell	Vienna BSC	Vienna MSC VLR	Bethesda MSC VLR	Bethesda BSC	Bethesda Cell	25-Jan-08 07:26 (Page 1)



This is an inter MSC handover, so pass the handover request to the target MSC via a MAP message.

The MSC passes on the handover request to the Vienna BSC. (The Bethesda BSC identified this BSC as a target cell for handover.)

The Vienna BSC includes the RR HANOVER COMMAND message as a payload in the HANOVER REQUEST ACK that is sent back to the MSC. The RR HANOVER COMMAND will be delivered to the mobile via the Bethesda BSC.

The Vienna MSC obtains a handover number from the VLR. The Bethesda MSC will use this number to initiate an inter-MSC call to carry the voice from the Bethesda MSC to the Vienna MSC.

Pass the handover request acknowledgement from the target MSC to the source MSC. The message also includes the handover number to call for the inter-MSC voice call.

The Bethesda MSC initiates a voice call to the Vienna MSC. The call is initiated with the ISUP Initial Address Message (IAM) addressed to the "Handover Number".

The Vienna MSC accepts the call with the Address Complete (ACM) message.

The BSC informs the MSC that the handover has been detected. At this point the MSC can switch the voice path.

The Handover detect is signalled to the Bethesda MSC via the Access Signaling Request message.

The BSC forwards the handover completion event to the MSC.

Transport the Handover Complete message to the source MSC.

The MSC switches the voice path.

The Vienna MSC answers the inter-MSC voice call.

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.

Subscribers have hung up. The source MSC releases the voice circuit between the two MSCs. ISUP release complete.

The handed over call has ended.