MRFP Interfaces (IMS Conference Call)

Calling UE	IMS Network							Called UE	EventStudio System Designer 4.0
Caller User Equipment	IMS 1		IMS 1 MRF		IMS 2			Called User Equipment	
Conference Initiator	Initiating P-CSCF	Initiating S-CSCF	MRFC-AS	MRFP	Participating I-CSCF	Participating S-CSCF	Participating P-CSCF	Conference Participant	18-May-08 10:40 (Page 1)

Initiating an IMS conference using the Conference Factory URI

H.248 interaction to create IMS connection point for Conference Initiator UE in MRFP and to determine media capabilities of the MRFP.

H.248 interactions to create conference connection resources for Conference Initiator UE

H.248 interaction to modify connection

MRFC-AS initiates H.248 interaction to modify the connection. It instructs the MRFP to reserve multimedia resources for the negotiated codecs.

H.248 interaction to through connect conference connection resources for Conference Caller

MRFC initiates a H.248 interaction to connect through the multimedia processing resources for Conference Caller in MRFP.

RTP Stream

The Conference Initiator starts the media flow for this session. The RTP data stream is started towards the MRFP.

User inviting another user to a conference by sending a REFER request

Called Conference Participant enters Conference

H.248 interaction to create conference connection resources for called conference participant UE.

Allocate resources for negotiated codec

H.248 interaction to modify conference connection resources for Called Conference Participant UE

H.248 interaction to through connect conference connection resources for Called Conference Participant

RTP Stream

Notify Conference Initiator that the user has successfully entered the conference

Conference in progress

RTP Stream

RTP Stream

The conference is now in progress. The MRFP is merging and distributing the media stream for the conference.

Conference Caller leaving the Conference

H.248 interaction to release resources

The MRFC-AS interacts with the MRFP to release the resources reserved for Conference Caller in this conference.