PSTN Subscriber to IMS Subscriber Call (PSTN-ISUP Originated Call; IM-MGW Megaco/H.248 Signaling; PSTN Initiated Release)

<table>
<thead>
<tr>
<th>PSTN Equipment</th>
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</tr>
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<tbody>
<tr>
<td>IM-MGW</td>
<td>MGCF</td>
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<td>Term S-CSCF</td>
</tr>
<tr>
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</tr>
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</tbody>
</table>

ISUP IAM Handling and Initial IM-MGW and MGCF (Mn) Interactions

- ISUP: IAM
- H.248: ADD.req
- H.248: ADD.req
- H.248: ADD.req
- H.248: ADD.req

Initial Handshake between MGCF and IMS CSCF Servers

- INVITE
- 100 Trying
- INVITE
- 100 Trying
- 183 Session Progress
- 183 Session Progress
- 183 Session Progress
- 183 Session Progress

Mn Interactions for Codec selection

- H.248: MOD.req
- H.248: MOD.resp
- PRACK
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ISUP ACM related interactions on Mn interface:

- **ISUP: ACM**
- **H.248: MOD.req**
- **Ringing tone**
- **H.248: MOD.resp**

IMS Answer to ISUP ANM Handling:

- **200 OK (INVITE)**
- **H.248: MOD.req**
- **H.248: MOD.resp**

**PSTN**

**IMS Initiated Release**

**PSTN Subscriber to IMS Subscriber Call (PSTN-ISUP Originated Call; IM-MGW Megaco/H.248 Signaling; PSTN Initiated Release)**

**PSTN Equipment**

**PSTN Interface**

**IMS Core Network**

**Called UE**

- **200 OK (PRACK)**
- **Ringing**
- **180 Ringing**
- **PRACK**
- **200 OK (PRACK)**

**ISUP ACM related interactions on Mn interface.**

**H.248: MOD.req**

**H.248: MOD.resp**

**ISUP: ACM**

**Ringing tone**
PSTN Subscriber to IMS Subscriber Call (PSTN-ISUP Originated Call; IM-MGW Megaco/H.248 Signaling; PSTN Initiated Release)

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**Conversation Mode**

ISUP: ANM → ACK

Voice → RTP voice packets

**PSTN Initiated Call Release**

ISUP REL → BYE

H.248: SUB.req

H.248: SUB.resp

H.248: SUB.req

H.248: SUB.resp

ISUP RLC → 200 OK (BYE)
### PSTN Subscriber to IMS Subscriber Call (Alternate Scenario: Called IMS Subscriber Initiated Call Release)

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- **ISUP IAM Handling and Initial IM-MGW and MGCF (Mn) Interactions**
- **Initial Handshake between MGCF and IMS CSCF Servers**
- **Mn Interactions for Codec selection**
- **ISUP ACM related interactions on Mn interface.**
- **IMS Answer to ISUP ANM Handling**
- **Conversation Mode**

#### Called Subscriber Initiates Call Release

- **ISUP REL**
- **H.248: SUB.req**
- **H.248: SUB.resp**
- **ISUP REL**
- **H.248: SUB.req**
- **H.248: SUB.resp**

**Call Release**

- **BYE**
- **200 OK (BYE)**