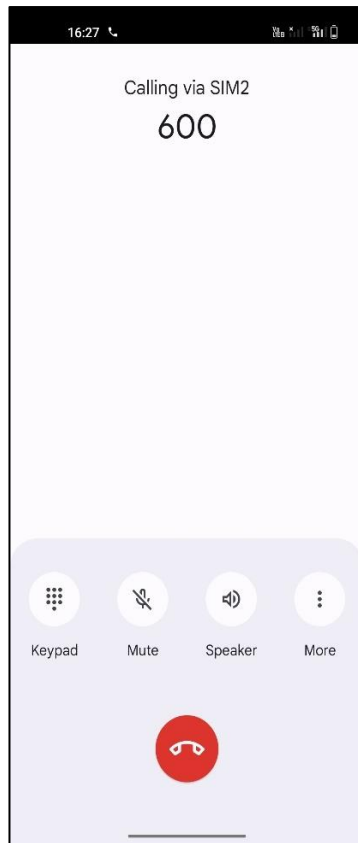
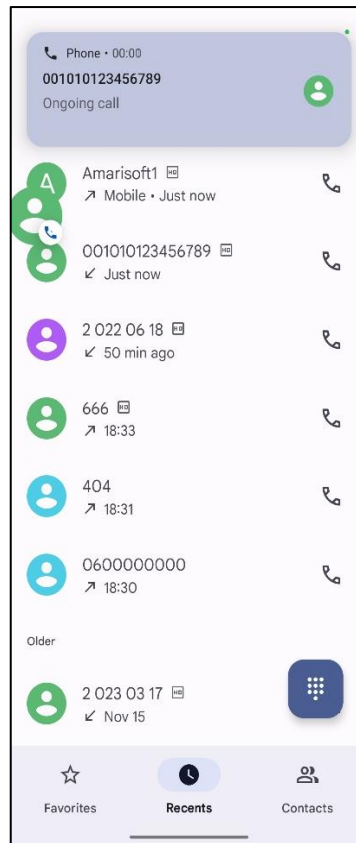


## Output of the command 'users' on the IMS monitor screen

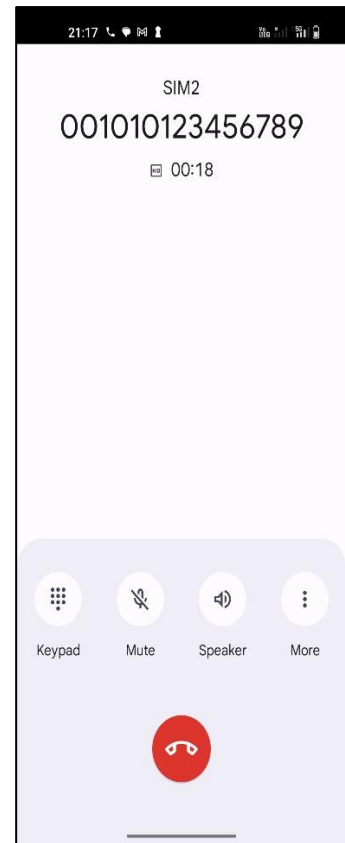
```
(ims) users
IMPI: 001010123456789@ims.mnc001.mcc001.3gppnetwork.org
SIP Binding:
  URI: sip:5c588a2c-1fcc-4a40-aa42-1ffe427d2682@[2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
  IMEI: 865475052162070
  Prio: 1.0
  Expires: 3433s
  Options: sms video volte
  IMPU: sip:001010123456789 tel:06000000000 tel:600
  IPsec: lock=14, auth= hmac-md5-96, cipher=des-ede3-cbc
    Local port-c=34903, port-s=59779, spi-c=754931649, spi-s=754931650
    Remote port-c=44176, port-s=43268, spi-c=-1418372746, spi-s=50812676
    Source: [2001:468:3000:1::]:5060
    Destination: [2001:468:3000:2:f426:6f2f:5e20:3d23]:40343
  MME: 127.0.0.2:10042 id=3, sms_only
SIP Binding:
  URI: sip:a80591c8-588b-4095-aed0-6388fd799711@[2001:468:3000:1:c7ac:a99:e933:97d7]:44290
  IMEI: 865475050216740
  Prio: 1.0
  Expires: 2582s
  Options: sms video volte
  IMPU: sip:001010123456789 tel:06000000000 tel:600
  IPsec: lock=14, auth= hmac-md5-96, cipher=des-ede3-cbc
    Local port-c=52785, port-s=34446, spi-c=754931645, spi-s=754931646
    Remote port-c=42104, port-s=44290, spi-c=2023972238, spi-s=-861468398
    Source: [2001:468:3000:1::]:5060
    Destination: [2001:468:3000:1:c7ac:a99:e933:97d7]:43439
  MME: 127.0.0.2:10042 id=1, sms_only
(ims)
```



a) 600 dialling from UE1



b) Call received at UE2 from UE1



c) Call session from UE2

## SIP call logs from the IMS server at Amarisoft Web GUI

20:50:43.732	+141.851	SIP	89 (71)	INVITE	tel:600;phone-context=ims.mnc001.mcc001.3gppnetwork.org SIP/2.0 from [2001:468:3000:2:f426:6f2f:5e20:3d23]:44176
-	-	SIP	89 (71)	SIP/2.0	100 Trying to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
-	-	SIP	90 (44)	INVITE	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
20:50:43.792	+0.060	SIP	90 (44)	SIP/2.0	100 Trying from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
20:50:43.841	+0.049	SIP	90 (44)	SIP/2.0	183 Session Progress from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	89 (71)	SIP/2.0	183 Session Progress to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
20:50:43.842	+0.001	SIP	90 (44)	PRACK	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
20:50:43.881	+0.030	SIP	90 (44)	SIP/2.0	200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:42104
20:50:43.892	+0.011	SIP	89 (71)	PRACK	sip:001010123456789@[2001:468:3000:1::]:59779 SIP/2.0 from [2001:468:3000:2:f426:6f2f:5e20:3d23]:44176
-	-	SIP	89 (71)	SIP/2.0	200 OK to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
20:50:44.209	+0.317	SIP	90 (44)	UPDATE	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
20:50:44.262	+0.053	SIP	90 (44)	SIP/2.0	200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	90 (44)	SIP/2.0	180 Ringing from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	90 (44)	PRACK	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	89 (71)	SIP/2.0	180 Ringing to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
20:50:44.291	+0.029	SIP	90 (44)	SIP/2.0	200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:42104
20:50:44.001	+0.590	SIP	90 (44)	SIP/2.0	200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	90 (44)	ACK	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
-	-	SIP	89 (71)	SIP/2.0	200 OK to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
20:50:44.511	+0.030	SIP	89 (71)	ACK	sip:001010123456789@[2001:468:3000:1::]:59779 SIP/2.0 from [2001:468:3000:2:f426:6f2f:5e20:3d23]:44176
20:50:51.031	+5.120	SIP	89 (71)	BYE	sip:001010123456789@[2001:468:3000:1::]:59779 SIP/2.0 from [2001:468:3000:2:f426:6f2f:5e20:3d23]:44176
-	-	SIP	89 (71)	SIP/2.0	200 OK to [2001:468:3000:2:f426:6f2f:5e20:3d23]:43268
-	-	SIP	90 (44)	BYE	tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290
20:50:51.072	+0.041	SIP	90 (44)	SIP/2.0	200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:42104

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:43.732  
Index: 9793  
Message: tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/TCP [2001:468:3000:1::]:34446;branch=z9hG4bK3d907a228  
Route: <sip:[2001:468:3000:1:c7ac:a99:e933:97d7]:42104;lr>  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>  
Call-ID: 5824c41f809aa4d5  
CSeq: 1 INVITE  
Contact: <sip:001010123456789@[2001:468:3000:1::]:34446>;+g.3gpp.accessstype="cellular2";  
Content-Type: application/sdp  
Allow: REGISTER,SUBSCRIBE,INVITE,ACK,CANCEL,PRACK,UPDATE,BYE,MESSAGE  
Accept-Contact: \*;+g.3gpp.icsi-ref="urn:3Aurn-7%3A3gpp-service.ims.icsi.mmtel"  
Min-SE: 90  
Session-Expires: 3600  
P-Asserted-Identity: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>  
Supported: precondition,100rel  
User-Agent: Amarisoft-IMS-2022-06-18  
Max-Forwards: 70  
Require: precondition  
Content-Length: 902

v=0  
o=Amarisoft-IMS-2022-06-18 19 1 IN IP6 2001:468:3000:1::  
s=Amarisoft-IMS-2022-06-18  
c=IN IP6 2001:468:3000:1::  
b=AS:50  
b=RS:600  
b=RR:2000  
t=0 0  
m=audio 10064 RTP/AVP 106 104 110 102 108 96 97  
b=AS:50  
b=RS:600  
b=RR:2000  
a=rtpmap:106 EVS/16000/1  
a=fmtp:106 br=5.9-24.4;bw=nb-swb;ch-aw-recv=2;max-red=0  
a=rtpmap:104 AMR-WB/16000/1  
a=fmtp:104 mode-change-capability=2;max-red=0  
a=rtpmap:110 AMR-WB/16000/1  
a=fmtp:110 octet-align=1;mode-change-capability=2;max-red=0  
a=rtpmap:102 AMR/8000/1  
a=fmtp:102 mode-change-capability=2;max-red=0  
a=rtpmap:108 AMR/8000/1  
a=fmtp:108 octet-align=1;mode-change-capability=2;max-red=0  
a=rtpmap:96 telephone-event/16000

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:43.792  
Index: 9801  
Message: 100 Trying from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/TCP [2001:468:3000:1::]:34446;branch=z9hG4bK3d907a228  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>  
Call-ID: 5824c41f809aa4d5  
CSeq: 1 INVITE  
Content-Length: 0  
Server: OnePlus\_KB2003\_RKQ1.211119.001

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:44.262  
Index: 9842  
Message: 180 Ringing from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/TCP [2001:468:3000:1::]:34446;branch=z9hG4bK3d907a228  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>;tag=2541006359  
Call-ID: 5824c41f809aa4d5  
CSeq: 1 INVITE  
Content-Length: 0  
Server: OnePlus\_K82003\_RKQ1.211119.001  
RSeq: 2  
P-Access-Network-Info: 3GPP-NR-TDD;utran-cell-id-3gpp=00101000064001234501  
Contact: <sip:a80591c8-588b-4095-aed0-6388fd799711@[2001:468:3000:1:c7ac:a99:e933:97d7]:44290>;  
Require: 100rel  
Allow: INVITE,ACK,CANCEL,BYE,UPDATE,PRACK,MESSAGE,REFER,NOTIFY,INFO,OPTIONS

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:44.881  
Index: 9855  
Message: 200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/TCP [2001:468:3000:1::]:34446;branch=z9hG4bK3d907a228  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>;tag=2541006359  
Call-ID: 5824c41f809aa4d5  
CSeq: 1 INVITE  
Session-Expires: 1800;refresher=uas  
Content-Length: 0  
Server: OnePlus\_K82003\_RKQ1.211119.001  
P-Access-Network-Info: 3GPP-NR-TDD;utran-cell-id-3gpp=00101000064001234501  
Contact: <sip:a80591c8-588b-4095-aed0-6388fd799711@[2001:468:3000:1:c7ac:a99:e933:97d7]:44290>;  
Supported: timer,100rel,from-change,tdialog  
Allow: INVITE,ACK,CANCEL,BYE,UPDATE,PRACK,MESSAGE,REFER,NOTIFY,INFO,OPTIONS

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:44.881  
Index: 9856  
Message: tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/TCP [2001:468:3000:1::]:34446;branch=z9hG4bK12e931e1b  
Route: <sip:[2001:468:3000:1:c7ac:a99:e933:97d7]:42104;lr>  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>;tag=2541006359  
Call-ID: 5824c41f809aa4d5  
CSeq: 1 ACK  
Allow: REGISTER,SUBSCRIBE,INVITE,ACK,CANCEL,PRACK,UPDATE,BYE,MESSAGE  
Supported: 100rel  
User-Agent: Amarisoft-IMS-2022-06-18  
Max-Forwards: 70  
Content-Length: 0

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:51.031  
Index: 10380  
Message: tel:600 SIP/2.0 to [2001:468:3000:1:c7ac:a99:e933:97d7]:44290

Data:

Via: SIP/2.0/UDP [2001:468:3000:1::]:34446;branch=z9hG4bK18da424b7  
Route: <sip:[2001:468:3000:1:c7ac:a99:e933:97d7]:42104;lr>  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>;tag=2541006359  
Call-ID: 5824c41f809aa4d5  
CSeq: 5 BYE  
Allow: REGISTER,SUBSCRIBE,INVITE,ACK,CANCEL,PRACK,UPDATE,BYE,MESSAGE  
Accept-Contact: \*;+g.3gpp.icsi-ref="urn%3Aurn-7%3A3gpp-service.ims.icsi.mmtel"  
Supported: 100rel  
User-Agent: Amarisoft-IMS-2022-06-18  
Max-Forwards: 70  
Reason: SIP ;cause=200;text="Terminated"  
Content-Length: 0

From: IMS  
Info: 10.2.2.152:9003, v2022-06-18  
Time: 20:50:51.072  
Index: 10386

Message: 200 OK from [2001:468:3000:1:c7ac:a99:e933:97d7]:42104

Data:

Via: SIP/2.0/UDP [2001:468:3000:1::]:34446;branch=z9hG4bK18da424b7  
From: <sip:001010123456789@ims.mnc001.mcc001.3gppnetwork.org>;tag=z9hG4bK1f74f976c  
To: <tel:600>;tag=2541006359  
Call-ID: 5824c41f809aa4d5  
CSeq: 5 BYE  
Content-Length: 0  
Server: OnePlus\_KB2003\_RKQ1.211119.001  
P-Access-Network-Info: 3GPP-NR-TDD;utran-cell-id-3gpp=00101000064001234501