

## NRENum.net Course - Section 3 - Tests

The ENUM service provided by NRENum.net can be accessed from any compatible system. In this document we will use the GNU Gatekeeper platform.

The tests of the Service allow to verify if it is possible to reach other institutions' terminals by using ENUM (anyone can query the NRENum.net tree).

### Test 1. Test calls using ENUM

NRENum.net has made available the following test numbers to make a call:

TELEPHONE NUMBERS FOR TEST CALLS		
Number E.164	Description	Country / NREN
+61 262112672	Polycom RMX 4000 HD MCU, loopback test	AARnet, Australia
+61 262762866	Test Lab VC Unit	CSIRO, Australia
+61 262463194	MCU Test number	CSIRO, Australia
+36 55119999	SIP only, Polycom RMX 4000 test room	NIIF, Hungary
+1 7036916901	Cisco TelePresence Server MSE 8710 reachable via H.323 or SIP	Internet2, USA
+44 012159999	Cisco TelePresence MCU MSE 8510 blades running software version 4.4 reachable via H.323 and SIP	JANET, UK

Table 1. Test call numbers

By using the command line interface, we can make a test call using the internal terminal (Endpoint) of the GNU GK software. For this, we use the "telnet" tool, which establishes a connection to the monitor port (eg the 7000 port) and the local host.

We used the default alias InternalMakeCallEP and the destination number, for example: 61262112672 (taken from test numbers Table 1):

```
# telnet localhost 7000
makecall InternalMakeCallEP 61262112672
GCF|127.0.0.1|InternalMakeCallEP|terminal;
RCF|190.15.31.13:1722|InternalMakeCallEP:h323_ID|terminal|6148_endp;
ACF|190.15.31.13:1722|6148_endp|4497|InternalMakeCallEP:h323_ID|InternalMak...
CDR|16|28 19 df 02 e3 4e e5 11 87 56 4a de 78 fa 17 56|1|Tue,...
```

If we see **ACF**, then we can ensure that the terminals (Endpoints) registered in our Gatekeeper are able to reach remote destinations through ENUM.