

LMAP Reference Path and Measurement Points

draft-ietf-ippm-lmap-path-02

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New Terms

- Un-managed section
 - Beyond the control of Subscriber's service provider
- Managed Section

Expanded Path Example

```

Subsc. -- Private -- Private -- Access -- Intra IP -- GRA -- Transit
device   Net #1      Net #2      Demarc.   Access    GW      GRA GW
mp000                                mp100     mp150    mp190   mp200
|--UE--|-----CPE/NAT-----|-----|---CGN---|-----|
      Wi-Fi      wired      |---Access Network--|
      |---Shared--|RT|-----Dedicated-----| RT  |-----Shared-----...
|-----Un-Managed-----|-----Managed----- ...

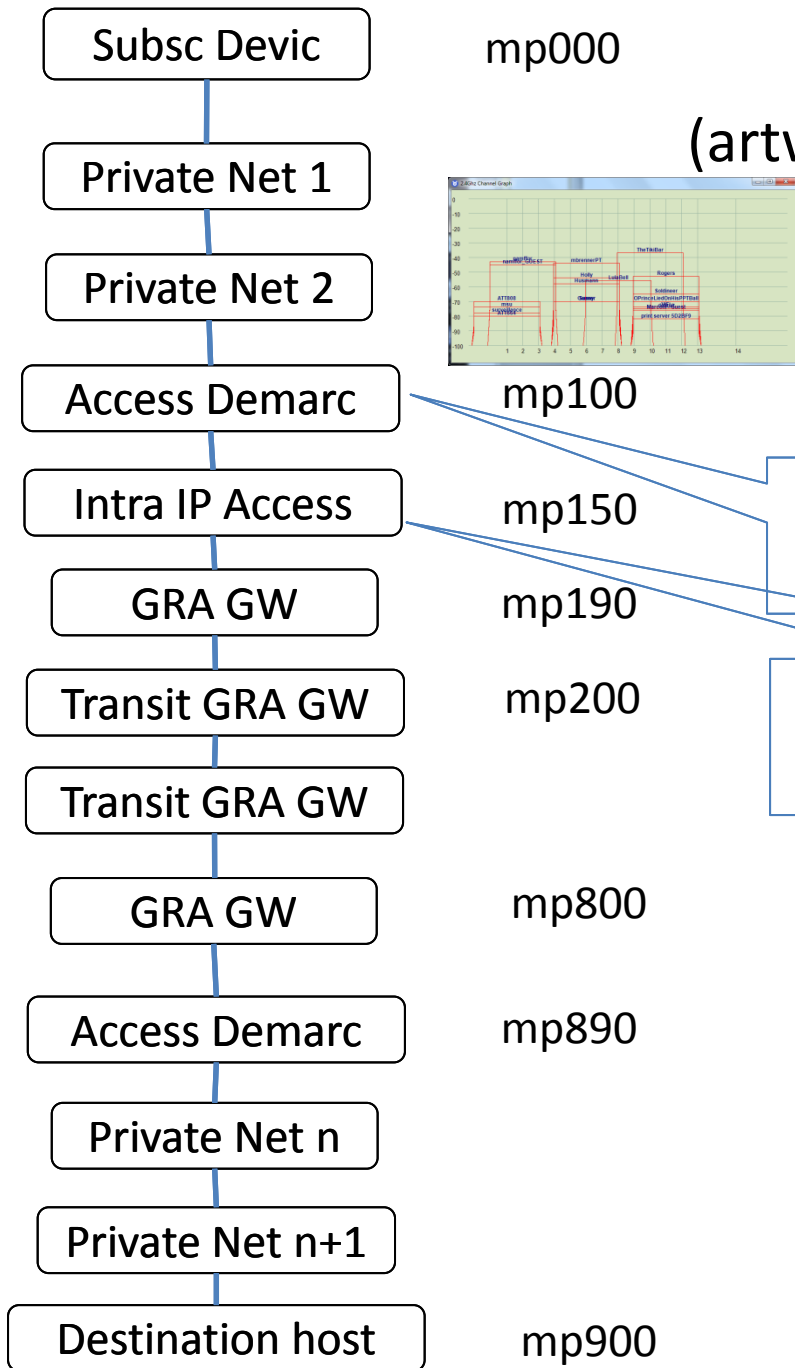
```

GRA = Globally Routable Address, GW = Gateway,
RT = Resource Transition Point

BACKUP

Reference Path

(artwork from Marcelo Bagnulo Braun)



usually defined as the Ethernet interface on a residential gateway or modem

may be the Resource Transition Point

Subscribers and Shared Links/Nodes

Subscriber making a measurement



Dedicated Links/Nodes



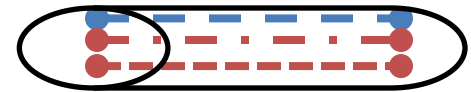
All resources of components on a sub-path are allocated to a particular Subscriber

Other Subscribers



Shared Links/Nodes

Common resources are shared among multiple Subscribers



Resources include transmission timeslots, queue space, processing for encapsulation and address/port translation, others...