

# The Home Gateway Initiative: from service support to service awareness

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# Why the HGI ?

- Telcos are providing not only a broadband pipe, but an integrated set of services (IPTV, communication, Fixed-Mobile convergence) and an ecosystem of interoperable devices
- Unavailability of Home Gateways providing full support to the telecom operators' requirements for triple play services

The Home Gateway is not seen as a generic advanced modem-router, but a **service enabler device** and an **added value** for both the customer and the service provider

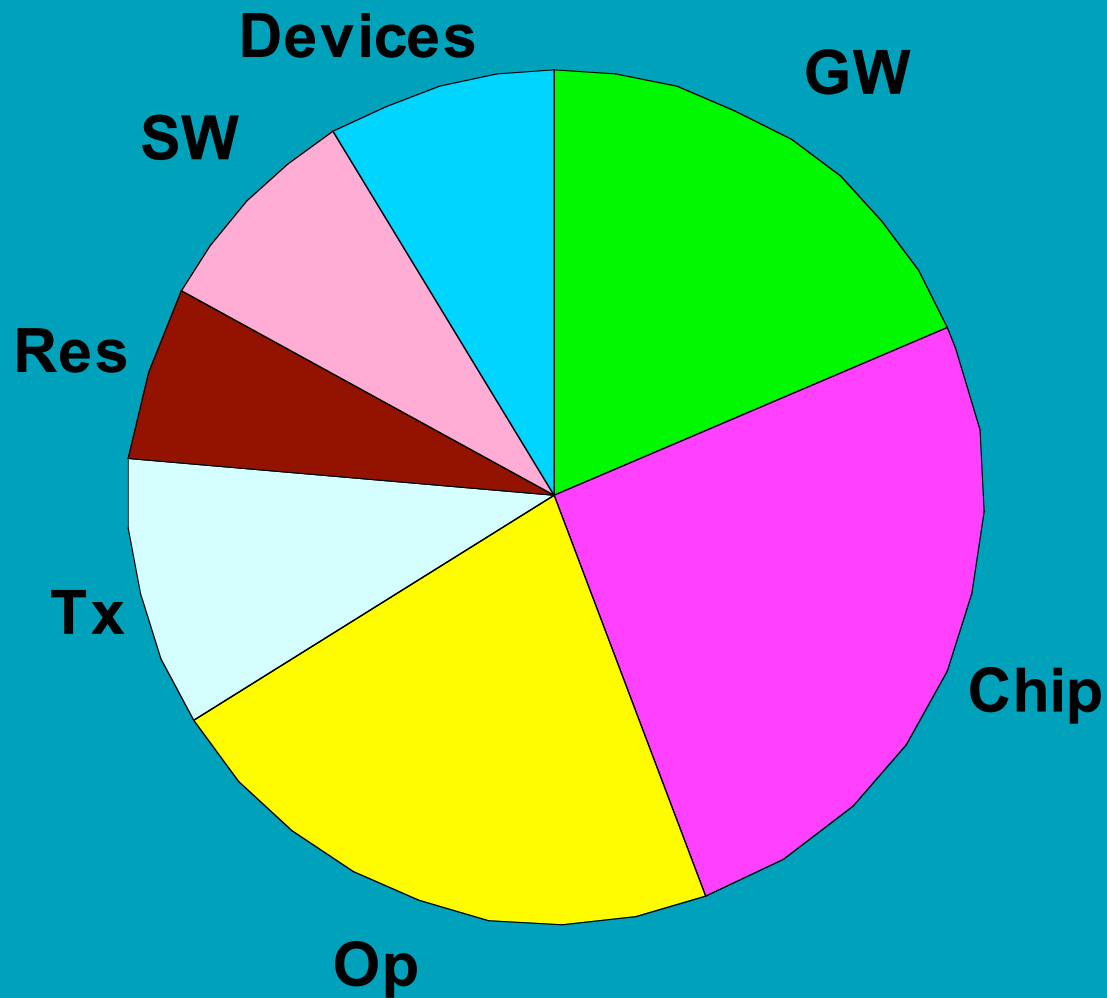
# History and timeline

- December 15<sup>th</sup> 2004, founded by 9 members
- March 2<sup>nd</sup> 2005: press release and website opening
- April 13-14 2005: kickoff meeting, 130 participants and 34 member companies
- 60 members as of Dec 31<sup>st</sup>
- Next plenary meeting: Montreal, 20-23 March, 2006
- Release 1 specs: 1Q-2Q 06
- Plugfest: 2H 2006
- First products by mid 2006
- Additional technical specifications (rel. 2): 4Q06-1Q07

# HGI Members



# Members pie chart



# HGI organisation and working method

## Business Groups

**Manufacturers  
Feedback and  
Input Group**



**Operators  
Requirements  
Group**

## Technical Groups

**HGW**

**HNA**

**QOS**

**RODI**

## Reference Architecture Task Force

# HGI Successful Working Method

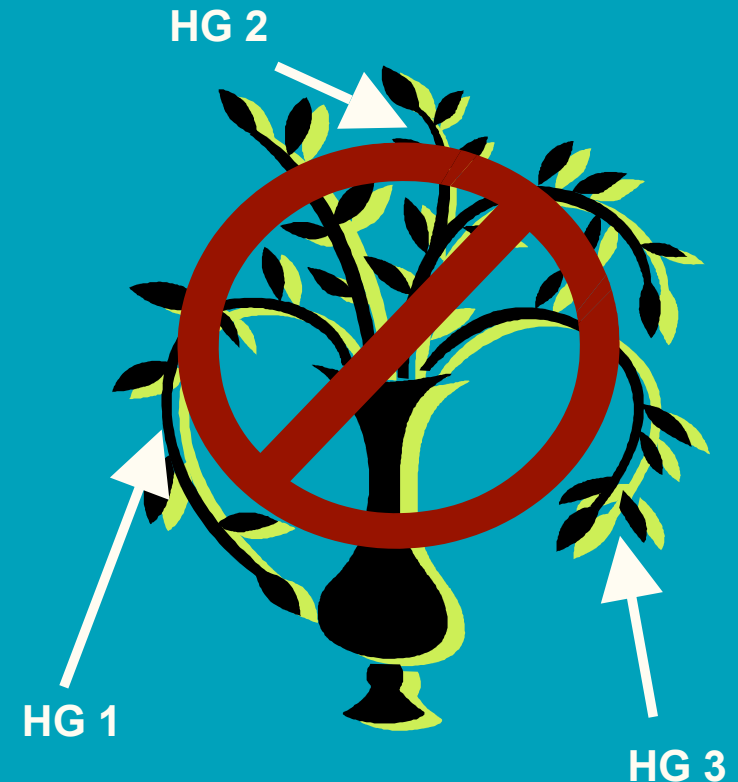
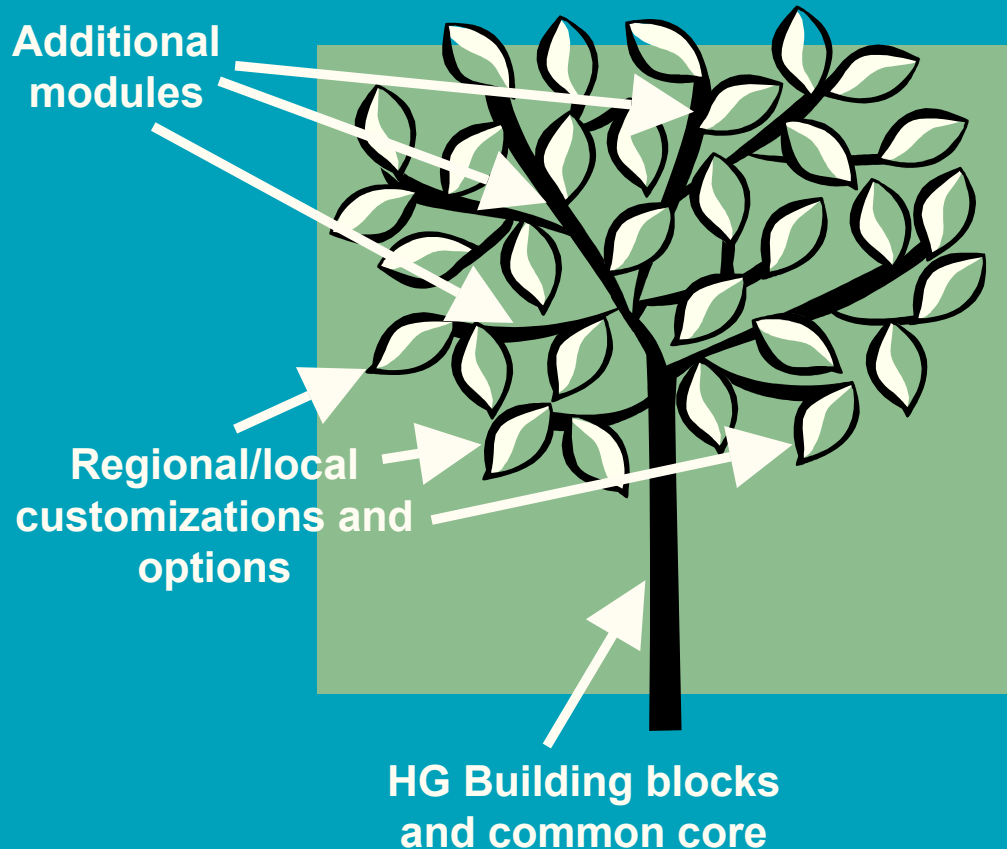
- Fast answers to urgent needs (top management roadmaps of the Telcos in the HGI)
- Short-mid term vision (no R&D or visionary perspective)
- Highly positive feedback from industries and SDO's demonstrates we have chosen the right approach until now
- Several MUSTs and a few SHOULD make our documents more usable in procurement and tenders
- Regional/local markets options and features will be allowed as add-ons to the main core of the HG

# Some of the HGI targets

- Not just a powerful broadband modem/router, but an added value for the provider, the customer and the vendors of IP devices
- Not a closed box, but supporting CE devices, gaming consoles and other IP enabled “domains”
- Putting together the critical mass for reaching a price point that will make the Home Gateway a real commodity



# A tree not a flower vase



A tree is expected to last more than a bunch of flowers  
Reaching a critical mass is the success of the HGI

# From service support to service awareness

- Service support: e.g. flexible NAT, VoIP codecs, ALG, firewall, WAN-LAN QoS mapping (NOW)
- Advanced service support: e.g., IGMPv2-3, UPnP modules, integrated management, end to end QoS control, support to external and heterogeneous service gateways (during 2006)
- Service awareness: the HG is a repository, control and distribution point for services (next phase)

# Service awareness

- Knowing what ? And why ?
- Interactions among all the available management platforms to exchange information and data

# Service awareness of the GW

- Network status (WAN & LAN)
- IP Ports used
- Physical I/F
- Traffic profile (Upstream/downstream/intra-LAN)
- Active devices
- Advanced management features (preassurance, provisioning, troubleshooting at all the OSI layers)
- Service deployment
- QoS (CAC, etc)
- Security policies
- ALGs
- Session awareness
- Authentication per MAC/user/application/IP/etc

# Conclusions

- Telcos worldwide are no more only broadband providers but integrated (services + devices) providers
- The service support in the HG is rapidly increasing to give the user a better experience and usability of this heterogenous environment and to open opportunities to service providers

