

**INTUG**

**EVUA, Helsinki 13-15 June 2001**

**[www.INTUG.net](http://www.INTUG.net)**

# Updating regulation

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# INTUG contents

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# INTUG numbering issues

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- Universal International Freephone Numbers (UIFN) +800
- European Telephony Numbering Space (ETNS) +3883
- global numbers for
  - shared-cost
  - premium rate
- ENUM
- IPv6

# INTUG etns

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- European Telephony Number Space
- country code +3883
- numbers now available
- resistance from incumbent operators
- major barriers to calling
- no numbers assigned so far

# INTUG what enum does

- identifies services and addresses associated with an E.164 number
- does not provide routing information
- does not ensure the DNS is populated
- does not ensure competing services interconnect or interwork

Enhancement of Numbering and Naming  
tElephone NUmbering Mapping  
Every Number Uselessly Manipulated

# INTUG for each user it can give

- Session Initiation Protocol (SIP)
- electronic mail address
- another E.164 number
- Short Messaging Service (SMS)
- Lightweight Directory Access Protocol (LDAP)

# INTUG enum failings

- no privacy function
- database needs to be populated
- E.164 is a poor identifier
  - office? mobile? home?
- DNS was never designed for this
- hard to deliver real-time functions
- at least Instant Messaging services have populated data bases

# INTUG IPv6 task force

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- announced by Commissioner Liikanen on 24 April
- to report to heads of government
- they will give it political impetus
- is there really market demand?
- are there regulatory reasons for wanting IPv6?
- <http://www.ipv6tf.org/>



# INTUG DG Competition

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- sector investigation of 27 July 1999
  - international roaming
  - leased lines
  - local access
- merger approvals
- Mario Monti, Commissioner, is robust in his protection of consumers
- shortage of staff
- few formal complaints, fewer kills

# INTUG Leased lines inquiry

- launched October 1999
- working document August
- public hearing September 2000
- on-going discussions with NCAs
- Worldcom and GTS pushing on provisioning

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# **INTUG** Local access inquiry

# INTUG Int'l roaming inquiry

- launched January 2000
- working document December 2000
- on-going discussions with NCAs
- energies currently diverted to the Eurocall scheme

# INTUG Vodafone Eurocall Scheme

- needs approval by DG Competition
- announcement expected
- home country plus European roaming
- confederation of operators
- discounts on the IOTs are **only** passed to Eurocall customers

# INTUG Eurocall issues

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- Scheme does not address the issues in the competition inquiry
- benefits to be passed on selectively
- does not match the integration claims of the big operators
- a price of 1 per minute is not
  - comparable with the USA
  - competitive
  - seen as realistic

# INTUG Seventh report

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- Sixth Report on Implementation of the Regulatory Framework
- European and trans-border issues
- opportunities for input
- naming and shaming of
  - member states
  - national regulatory authorities
  - incumbent operators

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# **INTUG** sixth report



# INTUG seventh report

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- work has already begun
- to appear by the end of year
- initial meetings already held
- 15 country hearings in September
- also written submissions

# INTUG EU & trans-border issues

- leased lines
- international roaming charges

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# INTUG new legislative package

- we **are** moving towards competitive markets!
- before the Parliament and the Council
- very heavy lobbying continues
- contentious points are now defined
- will **not** be finished this year!
- then it must be transposed into national law in all 15 member states and in candidate members

# INTUG new regulatory process

- define the markets
- test if they are not competitive
- check to see if anyone has Significant Market Power (SMP)
- impose sanctions and limits on SMP operators

Means lots of work for users and for NRAs

# INTUG contentious issues

- transparency measure
- SMP
- mobile telecommunications
- licence fees
- ETNS/+3883

# INTUG political forces at work

- Commission
- Parliament
- Member states and NRAs
- incumbent operators
- new(ish) entrants
- the Cartel
- industrial policy - étatism

# INTUG harmonisation

- the “transparency” measure
- gives very little sense that we are moving towards harmonised regulatory regimes

# INTUG smp

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- Significant Market Power
- competition law definition of dominance (single and joint)
- can the GSM operators evade it?
- Draft Guidelines on implementation
  - public workshop on 18 June



# INTUG mobile telecoms

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- termination to mobile
  - cost oriented
  - transparent
- international roaming
  - cost oriented
  - transparent
  - price displayed to user

<http://www.wimvanvelzen.nl/>

# INTUG the cartel

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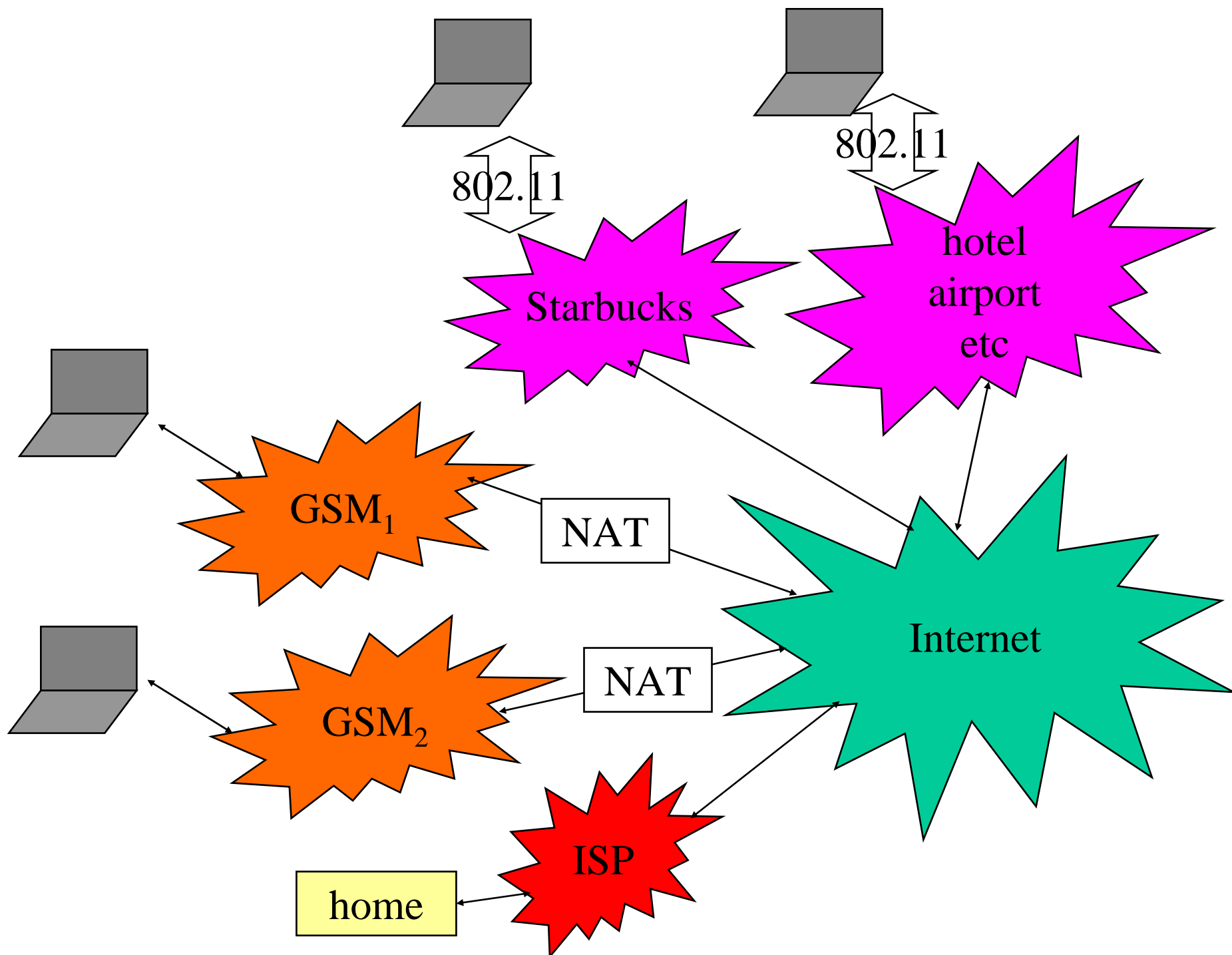
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- lobbying
  - highly competitive sector
  - no need for regulation
- pushed DG Comp to publish
- MEPs found the Working Document
- Wim van Velzen MEP called them a cartel

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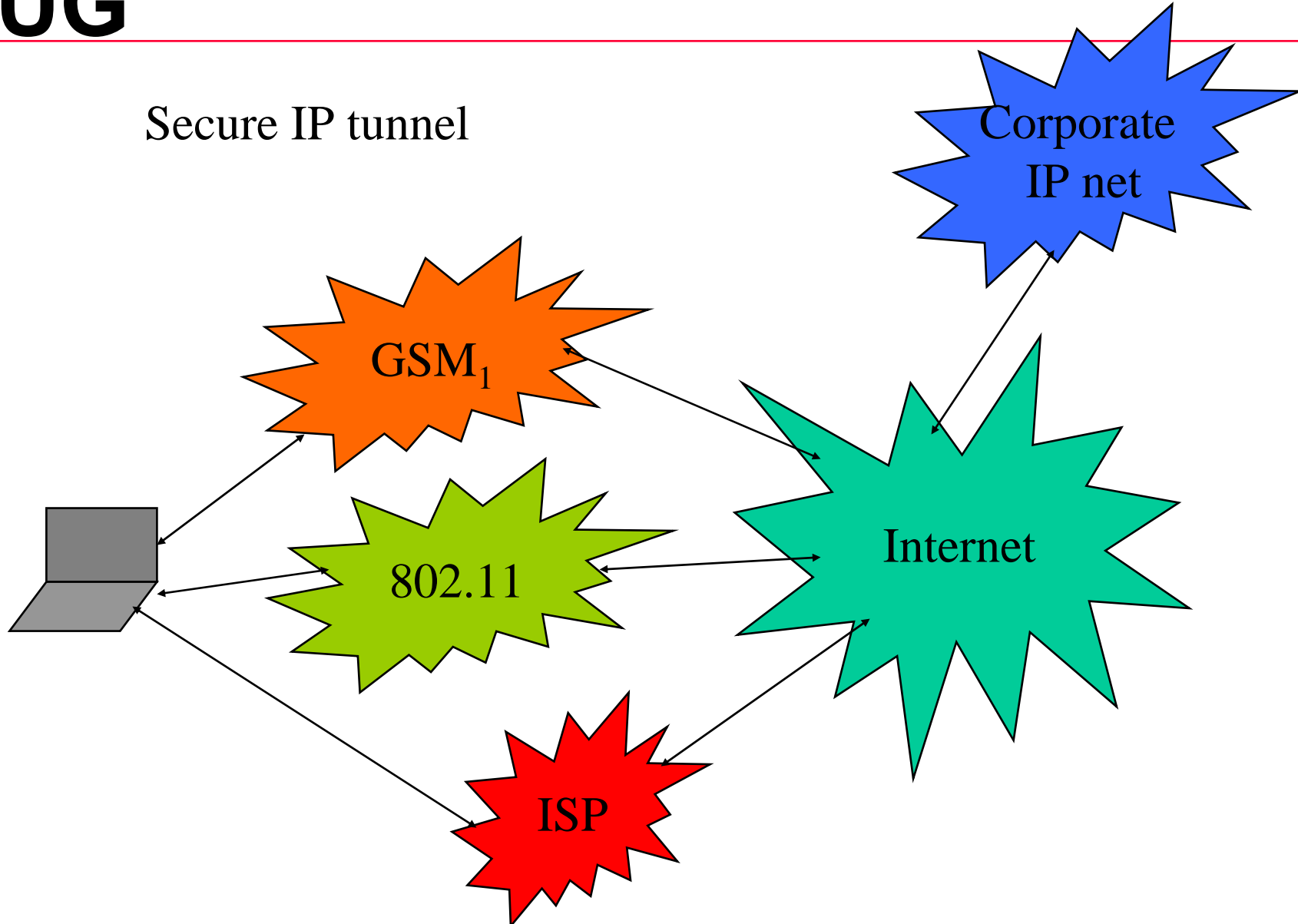
# **INTUG** mobile Internet



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# INTUG saving 3G

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- Commission under pressure to do something for and from:
  - manufacturers
  - operators
- published a Communication with no legislative proposals
- 3G or the Mobile Internet?

# INTUG INTUG response

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- operators said the payments were justified
- only real change is to cost of capital
- they knew what they signed up for
- need for genuine competition
  - MVOs
  - independent service providers
- there are other technologies around

# INTUG forms of network sharing

- joint ownership of infrastructure with all operators as MVNOs
- mast sharing
- site sharing
- third party mast infrastructure
- national roaming

Must show economic and technical benefits for customers.



# INTUG unlicensed spectrum

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- GSM pico cells
- frequencies
  - 2.4GHz
  - 5.8GHz
- protocols
  - DECT
  - Bluetooth
  - IEEE 802.11 (a + b)

# INTUG GPRS

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- control of customer information
  - identity
  - location
- Network Address Translation (NAT)
- fits very poorly with the traditional regulatory framework

# INTUG summary

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- everything is slow(er)
  - new legislation
  - competition law inquiries
- the cartel continues to lobby
- new games
  - services over GPRS
  - limiting unlicensed spectrum