

Review of the EU regulatory framework for electronic communications networks and services





Revision of the Recommendation on relevant markets



Public Presentation, Brussels, 13 July 2006

10.00	Opening remarks	Bernd Langeheine
10.15	Overview of the proposals Innovation and investment	Peter Scott
10.30	Spectrum policy	Frank Greco
11.00	Consolidating the internal market Consumer and user interests	Ivo Locatelli
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Overview Public consultation

Framework Directive

Authorisation Directive

Access & Interconnection Directive

Users' Rights Directive

ePrivacy Directive



Recommendation on relevant markets









Documents



Commission Communication COM(2006) 334

Working Document on proposed changes **SEC(2006) 816**

Impact assessment (SEC(2006) 817)

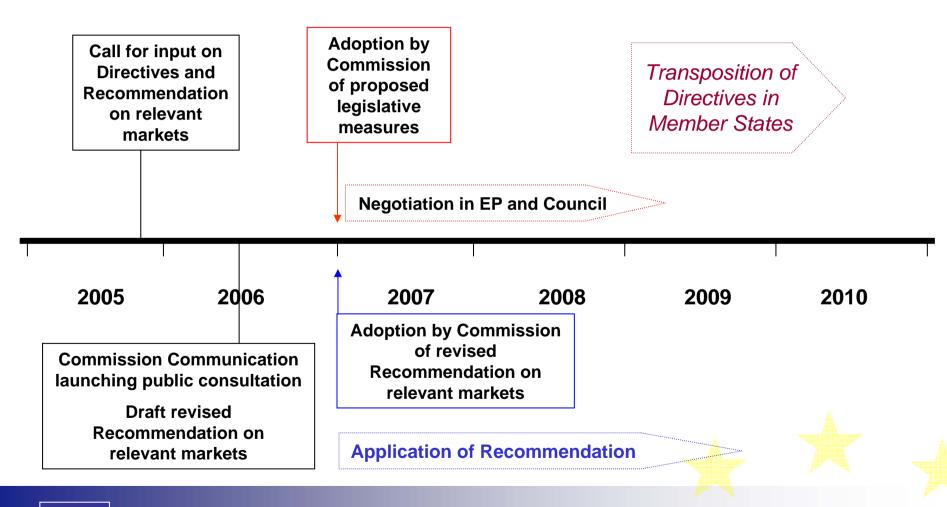


Draft revision of the Recommendation + Explanatory memorandum Sec(2006) 837





Timeline for implementation



Looking back: Main results of 'Call for Input'

- Existing framework basically sound
 - evolution not revolution
- Objectives remain valid:
 - promoting competition;
 - consolidating the single market
 - promoting the interests of the citizen
- Innovation and investment a key issue











Innovation and investment

- Investment and regulation
- Treatment of emerging markets
- Other options











eCommunications in Europe

- Overall revenue growth of the sector outpaces growth of the EU economy as a whole (11th Implementation report)
- In 2005 the ICT sector was valued at € 614 billion
- EU radio spectrum market worth over€ 200 billion



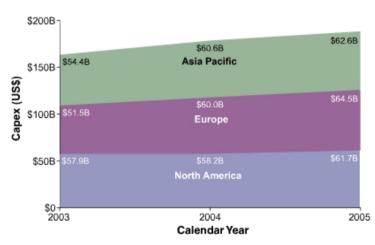




Investment and regulation

 Investment in Europe is comparable to that in N America and Asia.

Service Provider Capex



Asia Pacific € 49 bn

Europe € 51 bn

N America € 48 bn



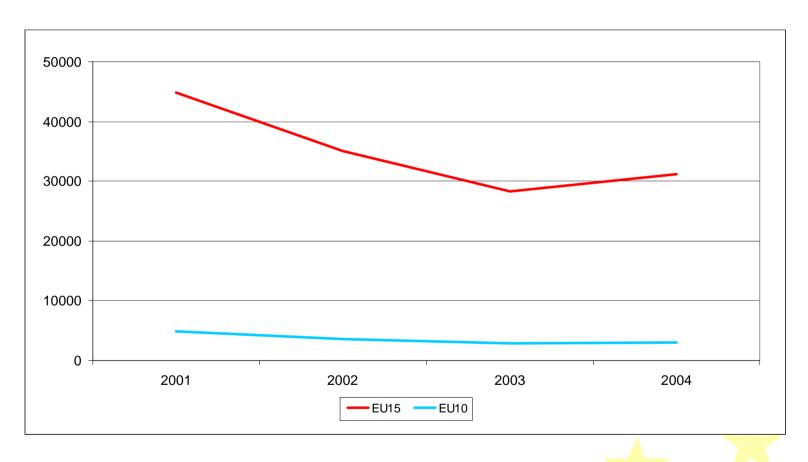








Investment trends 2001- 2004 (EU 15 and EU 10)

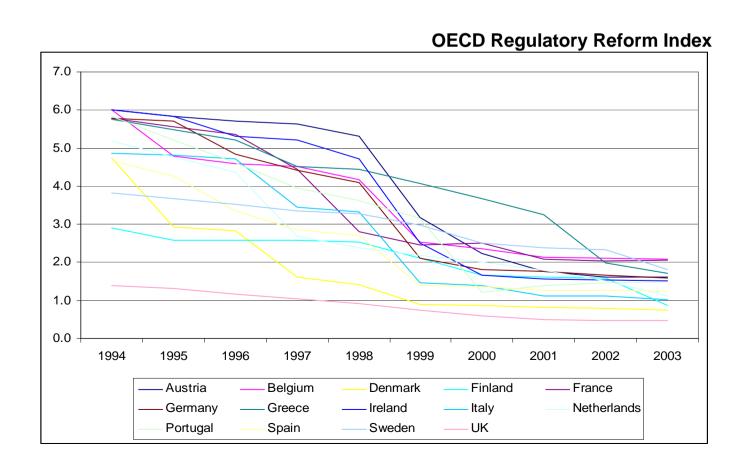


Source. London Economics study for EC



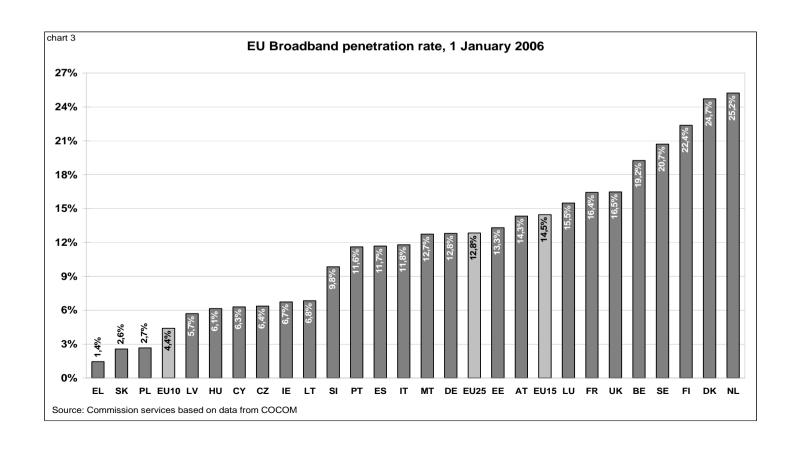
Factors that encourage investment

Regulatory reform



Factors that encourage investment

Competition



Investment and regulation

Conclusions

- Competition drives investment
- Slow implementation of regulatory reform and poor implementation of the framework hold back investment









Innovation and investment

- Investment and regulation
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- Other options









Is the market stable enough to apply the 3 criteria test?









The 3 criteria test

- used to identify markets which may justify ex-ante regulation
 - the presence of high and non-transitory barriers to entry;
 - no tendency towards effective competition (in the absence of regulation);
 - the insufficiency of competition law to address the market failure
- applied cumulatively









Is the market stable enough to apply the 3 criteria test?









Is the market stable enough to apply the 3 criteria test?











Is the market stable enough to apply the 3 criteria test?

Are the 3 criteria met?









Is the market stable enough to apply the 3 criteria test?

Are the 3 criteria met?









Is the market stable enough to apply the 3 criteria test?

Are the 3 criteria met?

Is there SMP on that market?



Is the market stable enough to apply the 3 criteria test? Are the 3 criteria met? Is there **SMP** on that market? No regulation



Remedies Is the market stable enough to apply the 3 criteria test? Are the 3 criteria met? Is there **SMP** on that market? No regulation



Remedies

- **Transparency**
- **Non-discrimination**
- Accounting separation
- **Access obligations**
- **Price control**

"Taking account of the initial investment by the facility owner, bearing in mind the risks involved in making the investment" Art 12 AID



Conclusion

- Existing framework is sufficiently flexible to handle new and volatile markets
- NRAs can take account of:
 - risk
 - the need to generate an adequate return on capital

when imposing pro-competitive access obligations





Innovation and investment

- Investment and regulation
- Treatment of emerging markets
- Other options









Other options

Impact assessment

- Remove or restrict sector specific regulation
 - Different US and EU markets
- Adopt an 'open access' model for network infrastructure
 - some form of structural remedy

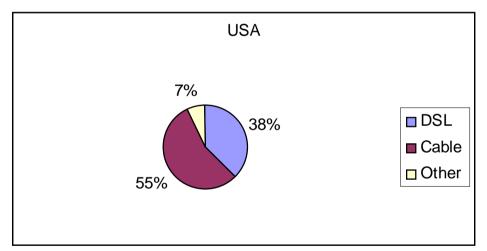


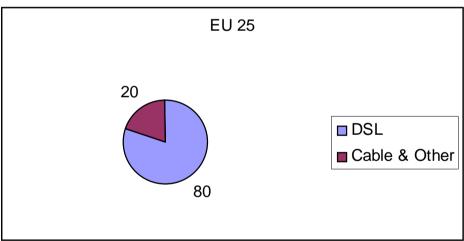






Market shares of cable & telcos in US and EU













Other options

Impact assessment

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Overview Innovation and investment

• Questions ?







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A new policy approach to spectrum management







Economic dimension

- Spectrum management is a key enabling factor to achieve Lisbon goals:
 - Direct impact given importance of sector: growth,jobs;
 - Indirect impact: competitiveness
 - Innovation potential: breeding new technologies / applications and valorising R&D output though adequate spectrum management approach
 - "Digital integration": connecting all citizen, all regions



Market dimension

- Market size matters in the radio sector
 - equipment: economies of scale
 - services: interoperability
 - innovation: tends to follow markets (that is market size...)
- Spectrum management to support the EU internal market:
 - Radio markets have a global dimension: are 25 national radio markets in the EU viable?
 - Synergy effect of pooling the power of European market!



Changing role of spectrum management

- Until recently: Distribution of available resources based on technical consideration
- Now: Methodology ensuring "optimal usage" of radio spectrum as production factor
- → Spectrum management becomes more complicated:
- Link of radio resource usage to economic / societal value of applications and services, for which spectrum is indispensable
- Technical interference management remains key and becomes more complicated



Spectrum reform: objectives

- Lower access hurdles to radio spectrum
 - Lower (direct and indirect) costs of accessing radio resources
- Empower spectrum user (market player) to decide upon usage as much as possible
 - Market players know better than administrations about business cases
- More flexibility in spectrum usage to overcome "scarcity" and to create an innovative friendly environment





Least onerous spectrum management for users

- Existing regulatory framework calls for least onerous market access and autorisation system for provision of e-comm networks and services
- Objective: stimulate development of e-comm services and networks and pan-European services and networks to benefit from internal market
- These principles must be fully reflected in spectrum management considering new developments and technological progress.









Spectrum Management Models

- EU-wide "mix" between spectrum management models:
 - Market based approach: tradability of spectrum to ensure most efficient user gets access to individual spectrum usage rights with guaranteed interference protection
 - "Unlicensed" approach: shared usage of spectrum, no individual rights nor interference protection, but easy access to spectrum
 - Administrative decision: usage of spectrum for agreed public purposes









Spectrum managementareas for coordination at EU level

- identification of common bands
 (eg tradable bands, unlicensed bands)
- usage and tradability conditions in such bands
- availability, accessibility and reliability of information needed for spectrum trading
- requirements to safeguard competition
- common criteria to solve legacy issues
- authorisation of services with pan-European or internal market dimension
- exceptions to technology or service neutrality







Secondary Trading

In specific spectrum bands identified to this end and subject to individual rights, tradability of rights between users would apply throughout the EU.









Authorisation of Spectrum Use

General authorisations

Ensure divergences from general authorisations are duly justified

Harmonise "licence-free" bands

 Give EU-wide legal certainty to the general authorisation status of specific bands

Pan-European licensing

 Enable the provision of common licensing conditions in the EU for specific bands



Technology neutrality

- Spectrum users would be free to use any type of radio network or access technology in a given spectrum band to provide a service provided they do not cause interference
- Exceptions justified by public interest objectives









Service Neutrality

- Spectrum users should be able to provide any service or mix of services in a given spectrum
- Exceptions justified by public interest objectives







An EU Spectrum Entity?

- A « light touch » agency with responsibilities for EU issues on spectrum, to support and coordinate existing national activities.
- All possibilities to be analysed.









Spectrum policy

• Questions ?







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- Suspension of NRA decisions on appeal only where 'irreparable harm' to the appellant can be shown
- Improving enforcement mechanisms
 - More powers to NRA to address breaches of authorisation directive (eg fines & penalties)
 - Improve enforcement of the ePrivacy Directive eg right of action against spammers









- Improved cross border access to Information Society services
- Obligations on non SMP operators (under Art 5(1) of the Access Directive) to be subject to Commission agreement
- Strengthening the obligation on Member States to review and justify 'must carry' rules



- Establish mechanisms to improve coordination between Member States in areas such as:
 - authorisation of services with pan-European or internal market dimension
 - common requirements for networks or services (eg emergency access)
 - numbering issues

(via committee procedures)









Adapting the framework to cover telecommunications terminal equipment, ensuring consistency with the R&TTE Directive







Options (see Impact Assessment)

- Option 1 A single European regulatory body
- Option 2 Maintain the decentralised model but strengthen the Commission's role in selected areas
- Option 3 No change to the regulatory framework















Consumer protection and user rights

- Improving the transparency and publication of information for endusers
- Improving caller location obligations related to emergency services









Updating Universal Service

- Green Paper on Universal service
- Removing provisions on universal directories and directory inquiry services from the scope of universal service









- Adapting 'telephone service specific' provisions to technology and market developments
 - carrier selection and carrier pre-selection
 - Number Portability
 - Separation of access and provision of services
- Net neutrality':
 - Ensuring that regulators can impose minimum quality of service requirements





Facilitating use and access to ecommunications by disabled users

- Strengthening the right of disabled users right to access emergency services via the number '112'
- Introducing a Community mechanism to address eAccessibility issues





Review definitions (e.g. PATS, NTP)







Consolidating the internal market Consumer and user interests

• Questions ?







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12.00 12.20	Removing outdated provisions	Peter Scott



Improving Security







Security

Options (see Impact Assessment)

- Option 1 Introduce detailed new provisions on security and integrity
- Option 2 Introduce general security and integrity requirements together with enabling measures
- Option 3 No change to the regulatory framework









Security

- Future-proof network integrity requirements beyond PSTN
- NRAs to have powers to:
 - Ensure operators implement adequate security policies or emergency plans, based on Recommendations agreed at EU level
 - Sanction non-compliant companies eg by fines









Security

Network operators and Internet Service Providers (ISPs) to:

- notify the NRA of any breach of security that led to the loss of personal data and/or to interruptions in the continuity of service supply
- notify their customers of any breach of security leading to the loss, modification or destruction of, or unauthorised access to, personal customer data.





Improving security

• Questions ?







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Better regulation: Removing outdated provisions









Better regulation: removing outdated provisions

Deletion of the minimum set of leased lines







Better regulation: removing outdated provisions

- Deletion of the minimum set of leased lines
- Withdrawal of Article 27(2) of the Universal Service Directive on ETNS









Better regulation: removing outdated provisions

- Deletion of the minimum set of leased lines
- Withdrawal of Article 27(2) of the Universal Service Directive on ETNS
- Repeal of Regulation 2887/2000 on unbundled access to the local loop











Better regulation: removing outdated provisions

- Deletion of the minimum set of leased lines
- Withdrawal of Article 27(2) of the Universal Service Directive on ETNS
- Repeal of Regulation 2887/2000 on unbundled access to the local loop
- Other deletions
 - Annex I of the Framework Directive
 - Transitional measures (Art 27 Framework Directive)
 - Article 5(4) of the Access and Interconnection Directive







Better regulation: Removing outdated provisions

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Streamlining Article 7 procedures







Article 7 procedures * GOALS *

- Ensure consistent regulation across the EU on the basis of competition law principles
- Limit regulation to markets where there is a persistent market failure
- Bring more transparency to the regulatory process





Article 7 Procedures * TODAY *

- To date Commission has received 442 notifications from 25 Member States
- 17 notifications have been withdrawn by the National Regulator
- Commission has issued 244 comments letters and required withdrawal of proposed measures in 5 cases





Today's state of play of received notifications

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Article 7 Procedures *TODAY*

Experience shows:

- Enhanced cooperation with NRAs
- Enhanced transparency with all interested parties
- Enhanced consistency in market definition and assesment of SMP





* TRANSITION PERIOD *

- About 100 notifications more to complete 1st round
- By 2009-10 (cf. proposed framework in force) NRAs will have carried out at least 2 market reviews
- Effective regulation of wholesale markets
 - => lift retail regulation (cf. revised Recommendation on relevant markets)





1) Relaxation of notification requirements

For markets already found competitive

(absent substantial changes)

For minor changes to previously notified measures

(e.g. details of a remedy)





* TOMORROW *

Combined with

- Revised list of markets susceptible to ex ante regulation
- Effective wholesale regulation bearing fruits in overall level of regulation

RESULT:

Administrative burden on NRA & market players reduced







2) Binding timetable for

- Initiating market reviews
- Completing market reviews
- Imposing or removing remedies
- Re-notification after Commission requirement to withdraw proposed measure

RESULT:

Increased legal certainty for market players across the EU and better implementation





3) Changes to the notification procedure

- Minimum standard: simultaneous notification of market definition, SMP assessment and imposition/withdrawal of remedies
- Remedies: requirement for prior Commission agreement

RESULT:

Swifter (de-)regulatory actions, increased harmonisation, increased legal certainty for market players across the EU





Prior agreement requirement for remedies

- Under the current Framework the Commission has commented in 147 notifications on proposed remedies
- Remedies are key to shaping competitive market conditions
- Similar market failures require similar remedies

RESULT:

Better harmonisation of the regulatory landscape, increased investment, facilitation of pan-European players, increased consumer benefits





Streamlining the Art 7 procedures

• Questions ?







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Draft revision of the Recommendation on relevant markets and Explanatory Memorandum *SEC(2006) 837*









Overview

- Overview of the revised list of markets
- Background to major changes
- Explanatory Memorandum
- Next steps









Overview of the revised list of markets (1)

Retail level

- Access to the public telephone network at a fixed location for residential and nonresidential customers
- 2 (combined with 1)
- Publicly available local and/or national telephone services provided at a fixed location for residential customers
- 4 Publicly available international telephone services provided at a fixed location for residential distomers
- 5 Publicly available locaband/or national telephone services provided at a fixed breation for non-residential customers
- 6 Publicly available international telephone services provided at a fixed location for non-residential customers
- 7 The minimum set of leased lines











Overview of the revised list of markets (2)

Wholesale level

- 2. Call termination on individual public telephone networks provided at a fixed location
- 3. Call origination on the public telephone network provided at a fixed location
- 4. Transit services in the fixed public telephone network



Overview of the revised list of markets (3)

Wholesale level

- 5. Wholesale unbundled access (including shared access) to metallic loops and sub-loops (or equivalent) for the purpose of providing broadband and voice services
- 6. Wholesale broadband access







Overview of the revised list of markets (4)

Wholesale level

- 7. Wholesale terminating segments of leased lines
- 8. Wholesale trunk segments of leased lines
- 9. Voice call and SMS termination on individual mobile networks



Overview of the revised list of markets (5)

Wholesale level

- 10. * Access and call origination on public mobile telephone networks
- 11. Wholesale national market for international roaming on public mobile networks.
- 12. * Broadcasting transmission services, to deliver broadcast content to end users

* Views requested specifically on these two markets



Background to major changes (1)

Removal of retail calls markets

- development of competition across EU
- technological development, e.g. VoIP
- effective wholesale regulation
- 3 criteria in principle not fulfilled









Background to major changes (2)

Removal of retail market for minimum set of leased lines

- development of competition across EU
- effective wholesale regulation
- 3 criteria not fulfilled
- Commmission will make minimum set a null set









Background to major changes (3)

Inclusion of SMS in mobile termination market

 SMS termination presents equal market characteristics as mobile voice termination









Background to major changes (4)

Core network markets (transit and trunk leased lines) remain included

<u>but</u> Explanatory Memorandum indicates circumstances under which NRAs may deviate from Recommendation









Background to major changes (5)

Special input sought on mobile access and call origination and on broadcasting transmission services raises complex issues such as relevance of other instruments to ensure access (licence conditions, must carry rules, ...)

Wholesale International Roaming market maintained pending adoption of EU Regulation and outcome antitrust cases



Explanatory Memorandum (1)

Three criteria test

- now embodied in corpus of Recommendation
- purpose clarified (NRAs can but are not obliged to redo 3 criteria test for markets included in the Recommendation)
- content clarified







Explanatory Memorandum (2)

Attempt to provide more guidance on inter alia:

- " clustering" of markets
 (i.e. interrelationship between various market analyses
- emerging markets
- remedies in areas outside but closely related to the relevant market (e.g. accounting separation covering related retail markets)



Next Steps

- Public consultation until end of October
- Finalisation and adoption by beginning of 2007, with immediate entry into force







Recommendation on relevant markets

• Questions ?





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For more information

Electronics Communications policy

 http://europa.eu.int/information society/policy/e comm/index en.htm

Review of the EU eComms framework

http://europa.eu.int/information_society/policy/ecom m/tomorrow/roadmap/index_en.htm#communication1











Email addresses for contributions

- Review of framework
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- Recommendation on relevant markets
 marketsrecommendation@ec.europa.eu

Closing date: 27 October 2006

Workshop: 10 October 2006 (provisional)

