



Directive 2002/49/EC (END)

EC - DG ENV – C1

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Past milestones

- Commission's proposal: 2000
- Adoption by EP & C: 25 June 2002
- OJ publication: 18 July 2002
- Transposition: 18 July 2004
- Reporting to EC: 2005
 - Authorities responsible for implementing
 - Agglomerations concerned
 - Major roads/railways/airports concerned
 - Limit values (in force or planned)

Objectives

- Determine exposure to environmental noise by common methods
 - Strategic noise mapping
 - Common assessment methods and noise indicators
- Ensure information is available to the public
 - on environmental noise
 - on its effects
 - By means of strategic noise maps
- Adoption of action plans by Member States with a view to
 - preventing, reducing environmental noise particularly where exposure levels can induce harmful effects on health
 - preserving environmental noise quality where it is good
 - On the basis of strategic noise maps
- Basis for developing Community measures to reduce noise emitted by major sources in particular:
 - Road vehicles and infrastructures
 - Rail vehicles and infrastructures
 - Aircraft
 - Outdoor and industrial equipment and mobile machinery

Scope

- END applies to environmental noise to which humans are exposed in particular in:
 - Built-up areas
 - Public parks and quiet areas
 - Near schools, hospitals, other noise-sensitive buildings and areas

Environmental noise

- Unwanted or harmful outdoor sound created by human activities
- Including: noise emitted by means of transport, road traffic, rail traffic, air traffic, and sites of industrial activity
- Excluding: noise caused by the exposed person himself, by domestic activities, by neighbours, at work places, inside means of transport, due to military activities in military areas

Strategic noise mapping

■ Round I

- Noise maps due by 30th of June 2007
- agglomerations $\geq 250,000$ inhab.
- major civil airports $\geq 50,000$ mvts/year
- Roads $\geq 6,000,000$ veh/year
- Railways $\geq 60,000$ trains/year

Strategic noise mapping

■ Round II

- Noise maps due by 30th of June 2012

- agglomerations $\geq 100,000$ inhab.

- Roads $\geq 3,000,000$ veh./year

- Railways $\geq 30,000$ trains/year

■ Review & revision every 5 years

Strategic noise mapping

■ Indicators

- Lden + Lnight at least
 - Day min. 12 hours (7-19)
 - Evening 2, 3 or 4 hours (19-13)
 - Night min. 8 hours (23-7)
- Supplementary possible
 - Number of events
 - LAmax
 - SEL
 - Etc.

Strategic noise mapping

- Assessment methods
 - Round I
 - Interim methods or equivalent methods
 - Guidelines 6.8.2003
 - Round II
 - Harmonised methods
 - Harmonoise, Imagine projects (2006)

Strategic noise mapping

- Must be made for following contours:
 - Lden: 55-59, 60-64, 65-69, 70-74, ≥ 75
 - Lnight: 50-54, 55-59, 60-64, 65-69, ≥ 70
- Information to public and action plans:
 - Maps must be made available and disseminated to the public
 - Graphical presentation
 - Disclose exceeding of limit value
 - Difference maps (current/future situations)
 - MS may lay down rules on types & formats

Strategic noise mapping

- In agglomerations
 - Emphasis on road traffic, rail traffic, airports, industrial activity sites
 - Other sources possible
 - Separate maps by source

Strategic noise mapping

- Guidance from WG AEN available
 - Version 1 in 2003
 - Version 2 in 2006 (e-box)
- Guidance on harmonised methods
 - Imagine project
 - Further EC guidelines possible

Strategic noise mapping

- Health effects may be assessed (WG HSEA)
 - Position paper 2002 Lden - annoyance
 - Position paper 2005 Lnight – sleep disturbance
 - WHO works
- Monetisation may be carried out (WG HSEA)
 - Position paper 2003
 - Benefit: 25€/dB(Lden road)/household/year
 - Value for air traffic might be higher

Action plans

- Round I: 2008
- Round II: 2013
- Revision every 5 years
- Based on strategic noise maps
- Mandatory consultation of the public about proposals (preparation & review) and back information to the public
- Plans must be made available and disseminated to the public

Action plans

- MS may define own limit values and other criteria triggering enforcement of mitigation measures
- Measures within the plans are at the discretion of competent authorities
- Should address priorities identified by exceeding of any relevant limit value or other criteria ...
- Should apply to most important areas determined by strategic noise mapping
- Should contain estimates on reduction of people annoyed, sleep disturbed, etc.

- EC may develop guidelines

Action plans

- Working Groups papers
 - Railway noise
 - Airport noise
 - Road traffic noise
- See EUROPA noise webpage

Data reporting

- MS must report to EC at + 6 months
 - Statistics on number of people exposed to L_{den} and L_{night} by sources for bands of 5 dB width (see slide 10)
 - Summaries of action plans
- Data management endorsed to the EEA
 - Electronic reporting mechanism
 - EU database
 - Summary of reported data
- EC
 - Guidelines on data reporting (2007)
 - Report (2009) to EP and Council assessing the situation and if appropriate proposing:
 - goals for reduction of people harmfully affected by noise
 - further Community measures on sources
 - Selection criteria: health effects + cost-effectiveness
 - Amendments of the Directive

More information

EUROPA: <http://europa.eu.int/comm/environment/noise>

CIRCA: <http://forum.europa.eu.int/Public/irc/env/noisedir/home>

CALM: <http://www.calm-network.com>

THANK YOU! Questions ?