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# **Directive 2000/14/EC relating to the noise emission in the environment by equipment fo use outdoors – “Noise” Directive**

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# Objective

**The Directive seeks to harmonise the noise emissions of outdoor equipment so as to provide for a Single Market as well as protecting the health and well-being of the citizen**



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**It is a “global” and “old” approach but allows CE marking (states “New” in whereas but has mandatory standards)**

**Available from 3 July 2001, mandatory from 3 January 2002, replacing nine previous directives**

**Article 95**



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Scope

**It covers fifty seven types of equipment, from lawnmowers to snow ploughs, bulldozers to cranes, estimated at 15-20 BN Euro**

**All of these types of equipment are “machines” according to Article 1(2) of the Machinery Directive (bottlebanks)**



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# Scope



*Compact excavator loader*

*Excavator loader*



*Articulated  
for road use*

*Compact dumper (14500 kg)*



**Thirty-five types have mandatory noise labelling only (Article 13), mandatory noise limits are provided for the remaining twenty-two.**

**The permissible sound power level is provided for in dB(A)**



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**Test codes are provided in the Directive (Annex III) for the measurement of the sound power. These are a mixture of ENs, ISO etc.**

**However, noise measurement uncertainty is not dealt with in the Directive**



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**A trained human ear can hear the difference  
of 2dB**

**A reduction of 3 dB requires a reduction in  
sound power of 50%**





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# Modules

## Article 12

**Internal control of production with an assessment of**

**technical documentation (Annex VI)**

**Unit Verification (Annex VII)**

**QA (full) (Annex VIII)**

## Article 13

**Internal control of production**



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# Commitology

**Regulatory Committee to amend the test codes at Annex III so long as this does not change the measured sound value**

***Advisory Committee to assist the COM with respect to the report and potential amendment foreseen at Article 20***



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# Limit values

**Two phases to be applied from 3 January 2002 and 2006 respectively**

**For three types of lawnmowers, the second stage limits required a report and subsequent amendment on their applicability (by 3 June 2002) in order to apply**



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**Data**

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**The manufacturers has to send his DoC both to the member State in which he resides and to COM**

**COM publishes this information (at least annually)**

**Data to be used to develop the Directive**



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# Work Programme

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**Article 16 – to publish the noise data collected**

**Article 20.1 To provide a report on the directives (possibly including an amending proposal) to the Parliament and the Council by 3 January 2005.**

**Article 20.3 To provide a report on lawnmowers (by 3 July 2002)**



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**Work to-date**

**Article 16.4 – Public database now available on  
Europa website**

**Article 20.1 A Call for Tender has been published to  
serve as a basis for the COM Report (2<sup>nd</sup> Quarter  
next year).**



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# Problems

**Eight types of equipment cannot meet the second stage limits**



**The Directive has been amended [2005/88/EC] so that the Stage II limits will not apply to these eight types of machines until a further amendment (if considered possible)**

**“Experts Working Group” set up, to be assisted by “Working Group 7” Notified Bodies provided with CIRCA and admin assistance. Mandate to develop standards prepared. Internet site published. Letter to member States regarding market surveillance sent.**





**Mandate may be used to provide compromise solution on noise uncertainty**

**Article 20 Report to be used as a basis to revise directive. Possibilities - Delete legal obligation on data collection? Expand scope – snowmobiles? Reduce limits further. Move from Art 13 to Art 12. Real “New Approach”? A lot of work to do.**