

SCHEDULE 1

Regulation 2(1)

PART 1

Daily Personal Noise Exposure Levels

1. The daily personal noise exposure level, $L_{EP,d}$, which corresponds to $L_{EX,8h}$ defined in international standard ISO 1999: 1990 clause 3.6, is expressed in decibels and is ascertained using the formula:

$$L_{EP,d} = L_{Aeq,T_e} + 10 \log_{10} \left(\frac{T_e}{T_0} \right)$$

where—

T_e is the duration of the person’s working day, in seconds;

T_0 is 28,800 seconds (8 hours); and

$$L_{Aeq,T_e}$$

is the equivalent continuous A-weighted sound pressure level, as defined in ISO 1999: 1990 clause 3.5, in decibels, that represents the sound the person is exposed to during the working day.

2. If the work is such that the daily exposure consists of two or more periods with different sound levels, the daily personal noise exposure level ($L_{EP,d}$) for the combination of periods is ascertained using the formula:

$$L_{EP,d} = 10 \log_{10} \left[\frac{1}{T_0} \sum_{i=1}^n \left(T_i \cdot 10^{0.1(L_{Aeq,T_i})} \right) \right]$$

where—

n is the number of individual periods in the working day;

T_i is the duration of period i ;

$(L_{Aeq,T_i})_i$ is the equivalent continuous A-weighted sound pressure level that represents the sound the person is exposed to during period i ; and

$$\sum_{i=1}^n T_i$$

is equal to T_e , the duration of the person’s working day, in seconds.

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PART 2

Weekly Personal Noise Exposure Levels

The weekly personal noise exposure, $L_{EP,w}$, which corresponds to

$$\bar{L}_{EP,8h}$$

Status: This is the original version (as it was originally made).

defined in international standard ISO 1999: 1990 clause 3.6 (note 2) for a nominal week of five working days, is expressed in decibels and is ascertained using the formula:

$$L_{EP,w} = 10 \log_{10} \left[\frac{1}{5} \sum_{i=1}^m 10^{0.1(L_{EP,d,i})} \right]$$

where—

- m is the number of working days on which the person is exposed to noise during a week; and
- $(L_{EP,d})_i$ is the $L_{EP,d}$ for working day i .

SCHEDULE 2

Regulation 2(1)

Peak Sound Pressure Level

Peak sound pressure level, L_{Cpeak} , is expressed in decibels and is ascertained using the formula:

$$L_{Cpeak} = 20 \log_{10} \left[\frac{p_{Cpeak}}{p_0} \right]$$

where—

- p_{Cpeak} is the maximum value of the C-weighted sound pressure, in Pascals (Pa), to which a person is exposed during the working day; and
- p_0 is 20 μ Pa.

SCHEDULE 3

Regulation 15(2)

Revocations

Regulations revoked	References	Extent of revocation
The Noise at Work Regulations 1989	S.I. 1989/1790	The whole Regulations
The Quarries Regulations 1999	S.I. 1999/2024	Schedule 5 Part II insofar as it amends regulation 2 of the Noise at Work Regulations 1989
The Offshore Electricity and Noise Regulations 1997	S.I. 1997/1993	Regulation 3
The Personal Protective Equipment at Work Regulations 1992	S.I. 1992/2966	Schedule 2 Part IX
The Health and Safety (Safety Signs and Signals) Regulations 1996	S.I. 1996/341	Schedule 3 Part II paragraph 1(a) and (b)

Regulations revoked	References	Extent of revocation
The Offshore Installations and Wells (Design and Construction, etc.) Regulations 1996	S.I. 1996/913	Schedule 1 paragraph 46(b) and the word “noise” in paragraph 59(b)