Limited liability company

R&D AKUSTIKA

Accredited method (see www.latak.gov.lv)

NOISE LEVEL MEASUREMENTS IN WORK ENVIRONMENT (indoors and in territory)

STANDARDS:

LVS EN ISO 9612 :2009 ”Acoustics – Determining work environment noise exposure. Technical method.

Legal acts of Republic of Latvia:

LR MK Rules Nr.66 since 04.02.2003. „Labour protection requirements for protecting employees against work environment noise created risks”.

Measured parameters :

$L_{Aeq,T}$ – equivalent A-weighted sound pressure level

L_{Cpeak} – C-weighted peak sound pressure

Calculable parameters and evaluation (in accordance with LR MK rules Nr.66) ***:***

$L_{EX,\,8st}$ – noise exposure level (with 8-hour working day time control interval)

LR MK rules Nr.66 determine noise created risk for employees and also $L_{EX,\,8h}$ and L_{Cpeak} threshold values – in case they are exceeded, anti-noise measures must be planned and implemented or employees must be provided with personal noise protective equipment.

Measurement situation example (in territory)

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Measurement result example (report with accreditation mark)

Nr.	Locations (jobs), where employees are subjected to noise impact	Total Error	$L_{EX,8st}$	L_{Cpeak}
		[dBA]	[dBA]	[dBC]
1.	K-1 Shiftman	2,0	84,8	127,3
2.	K-2 Coordinator	2,5	91,4	125,2
3.	Air traffic controller	1,5	78,9	105,9
4.	Bus driver	1,5	80,9	116,0
5.	Special transportation drivers (plane puller)	1,5	82,1	118,4

Measurement situation example (indoors)