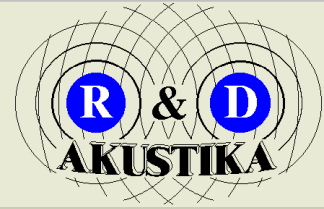


Limited liability company

\* **R&D AKUSTIKA** \*



Accredited method (see [www.latak.gov.lv](http://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) :

**LEX, 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 **LEX, 8h** and **LCpeak** 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)*



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

*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)*

