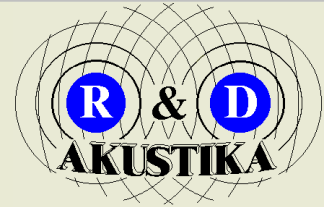


Limited liability company

* **R&D AKUSTIKA** *



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

NOISE LEVEL CALCULATIONS (forecasts) and environmental noise planning, evaluation, expert review.

STANDARDS, PROCEDURES:

LVS ISO 1996 –1:2017 "Acoustics – description, measurements and assessment of environmental noise. Part 1: basic quantities and assessment procedures";

LVS ISO 1996-2 : 2018 "Acoustics – description, measurements and assessment of environmental noise. Part 2: determination of environmental noise levels"

Legal acts of Republic of Latvia:

LR MK rules „Noise evaluation and management procedures of territory and in rooms of residential and public buildings

Construction legal act No. 312, "Building acoustics".

Calculable parameters:

L_{Xeq} , where $X=(A,B,C,D,Z)$ – weighted, equivalent continuous sound pressure level, [dB(X)]

L_{XFmax} , where $X=(A,B,C,D,Z)$ – weighted maximal sound pressure level, [dB(X)]

L_{dvn} , L_{diena} , L_{vakars} , L_{nakts} – long term noise index, [dBA]

PC software used **SoundPLAN® Braunstein+Berndt GmbH / SoundPLAN LLC** (licence

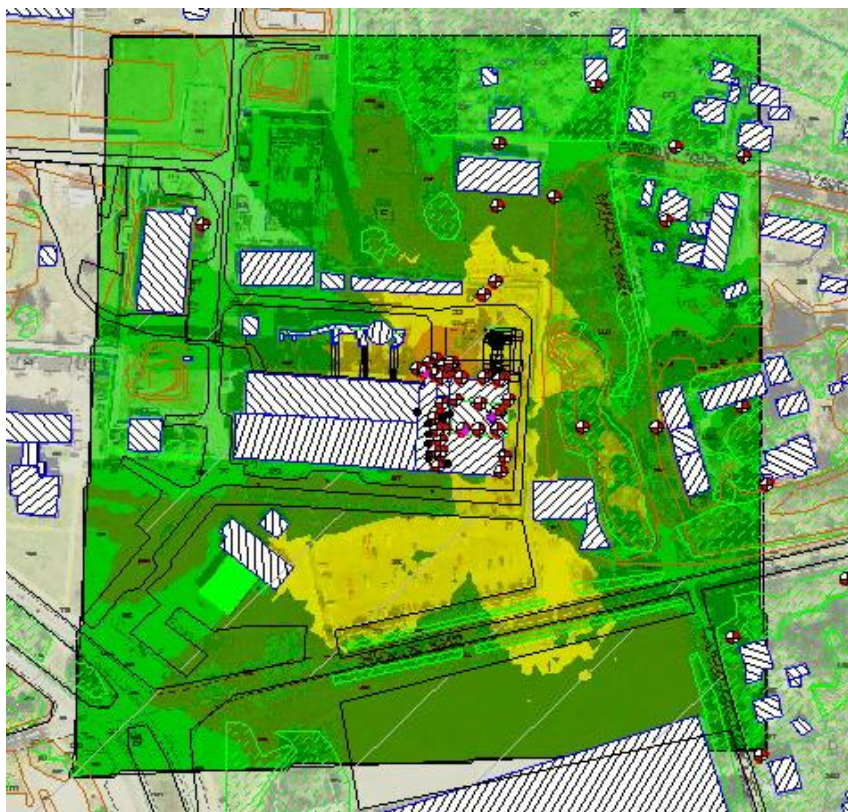
Nr. 1038/05), using such **methods, conditions and standards:**

RLS 90
RLS 90 streng
VBUS
Calculation of Road Traffic Noise (UK)
Schweiz EMPA
RVS 3.02/4.02
Statens planverk report no. 48; 1980
Road Traffic Noise – Nordic Prediction Method;
1996
NORD2000 Road
ASJ RTN-Model B 1998
ASJ RTN-Model B 2003
NMPB – Routes – 96
FHWA; 1978
Traffic Noise Model – FHWA; 1998
Russian Road
Schall 03
Schall 03 streng
Transrapid
DIN 18005 Schiene: 1987-05
VBUSch
ONR 30511
Nordic Rail Prediction Method (Kilde Rep. 130)
Calculation of Railway Noise; 1996 (UK)
Nordic Prediction Method For Train Noise
(NMT); 1996
NORD2000; Rail Traffic Noise
Japan Narrow-Gauge Railways based on ASJ
Model: 2003
CNOSOS

CNOSSOS-EU
SEMIBEL
RMR 2002 (EU)
Russian Rail
Israeli Rail: 2006-09
French Rail (NFS 31-133): 2007-02
VDI 2714 / 2720
WDI-Standard
Concawe
ÖAL 28
DIN 18005 Gewerbe: 1987-05
ISO 9613-2: 1996
Construction Noise (HongKong)
NORD2000
TA-Lärm einfaches Verfahren
BS 5228
Industry Noise Model – based on TNM; 1998
AzB streng
AzB
AzB-L
AzB-H
AzB: 2007-05
DIN 45643
DIN 45643 streng
DIN 45684-1: 2006-09
Swiss Aircraft Noise Calculation
ÖAL 24
ÖAL 24 -1-2004
ECAC Doc 29
ECAC Doc 29 (EU-Interim)

NOISE LEVEL CALCULATIONS IN ENVIRONMENT (in territory and indoors)

Measurement result example (report with accreditation mark)



NOISE LEVEL CALCULATIONS IN ENVIRONMENT (in territory and indoors).

Calculation and noise map examples.

