



Responsible Care[®]
OUR COMMITMENT TO SUSTAINABILITY

ECTA CONFERENCE 2009



*Implementing the ECTA
Responsible Care Scheme in
the European Chemical Land
Transport Industry*

**Healthy Workplaces
Good for you. Good for business.**

**Agency's work on risk
assessment.**

Interactive risk assessment tool

<http://hw.osha.europa.eu>



Lorenzo Munar
Working Environment Information Unit



PTT Overview

- 1. EU-OSHA introduction**
- 2. Healthy Workplaces Campaign on Risk Assessment (2008-09)**
- 3. Road transport. Preventing risks to drivers. Agency activities**
- 3. Interactive risk assessment tool (IRAT)**

EU-OSHA introduction

EU-OSHA, established in 1996, Bilbao



Basic structure: Tripartite system

- 60 employees from 17 EU countries
- EU-OSHA is a tripartite organisation with representatives from:
 - ▶ Governments,
 - ▶ Employers organisations and
 - ▶ Trade unions
- Governing Board
 - ▶ 3 x 27 EU Member States
 - ▶ 3 European Commission

Strategy of the Agency

- **Identify safety and health issues related to the Changing World of Work**
 - ▶ **The Board, Focal Points, Staff, others**
- **Coordinate research into new and emerging risks**
 - ▶ **The European Risk Observatory Unit**
- **Identify practical approaches to dealing with OSH issues**
 - ▶ **Working Environment Information Unit**
- **Disseminate the information**
 - ▶ **Communication and Promotion Unit**

More information about EU-OSHA:
<http://osha.europa.eu/en/about>



Healthy Workplaces Campaign on Risk Assessment (2008-09)



European Agency for Safety and Health at Work

HEALTHY WORKPLACES
GOOD FOR YOU. GOOD FOR BUSINESS.



English

A European campaign on Risk Assessment

Home

Be informed

- About the campaign
- Why risk assessment?
- Campaign materials
- Risk Zone
- Press Room
- Events



Get involved

- National contacts and activities
- Partners
- Certificate of participation
- Ideas for Action
- Good Practice Awards

Our partners

European Safety Federation (ESF)

"Performing serious and continuous Risk Assessment is the only way to make the workplace safer. It is the basis for any OHS management and action plan in general and for correct selection and use of PPE in particular. This is common sense, not just a legal obligation."

European organisations and multinationals join forces to promote safe and healthy workplaces

14.10.2008



Nine organisations have signed up to be part of the first wave of official partners of the Healthy Workplaces campaign. EU employers' and workers' federations, multinational companies, researchers and NGOs get substantially involved and promote risk assessment as the first step for good workplace safety and health management.

- [Read the news release](#)
- [See the Partners section on the campaign website](#)

Healthy Workplaces: Get involved with new campaign material!

29.09.2008



For the promotion of the **risk assessment** campaign **new sector posters** are available for download in 22 languages: agriculture, education and construction.

A **new video** explains the main objectives of the risk assessment campaign and includes EU statistics on workplace accidents and good practice examples from different Member States. The video is available in English and French.

[Sector posters on risk assessment](#)

[Video on risk assessment](#)

[Show previous news](#)

More about...

[Risk Assessment](#)

[Learn more about our campaigns](#)

News

[European organisations and multinationals join forces to promote safe and healthy workplaces](#)

14.10.2008

[Healthy Workplaces: Get involved with new campaign material!](#)

29.09.2008

[Official launch of the Healthy Workplace campaign on Risk Assessment](#)

16.09.2008

[Risk Assessment at a glance](#)

02.09.2008

[Ideal Standard International](#)

01.09.2008

[More news...](#)



Why a campaign on RA?

There is a need to improve the implementation and the quality of RA (EU Commission COM 2004/62):

- The tasks RA, documentation and supervision are not universally spread
- RA is often considered a 'one-off' action and is not sustained.
- In the course of conducting superficial RA the focus is put on identifying obvious and immediate risks
- Psychosocial risks and work organisation factors are rarely considered in RA.
- The efficiency of the measures taken is not sufficiently supervised.

Network-based campaigning

- **25 million SMEs – 205 million workers**
 - ▶ **Beyond Agency capabilities to reach them all**
- **Agency's Focal Points**
 - ▶ **One in each EU Member State (27)**
- **Tripartite network**
 - ▶ **Employers, workers, governments**
 - ▶ **On EU and national level**
- **Campaign partners scheme**
 - ▶ **ECTA – 3rd group of official campaign partners**



Address **http://osha.europa.eu/en/campaigns/hw2008/partners** Go Links >>

You are here: [Home](#) | [Partners](#)

Be informed

- About the campaign
- Why risk assessment?
- Campaign materials
- Risk Zone
- Press Room
- Events

Partners



Get involved

- National contacts and activities
- Partners
- Certificate of participation
- Ideas for Action
- Good Practice Awards

Our partners

BUSINESSEUROPE

"BUSINESSEUROPE is happy to be an official partner to the European Agency campaign. Employers are dedicated to good management of health and safety risks at the workplace, of which risk assessment is a fundamental pillar. We will be pleased to contribute to the campaign to assist companies, particularly SMEs, in analysing and combating risks at the workplace in a non-burdensome way."

Phillipe De Buck, Secretary General

Official partners of the European campaign on Risk Assessment

(reserved for pan-European and multinational campaign partners)

These are the pan-European or international organisations supporting the Healthy Workplaces campaign as official campaign partners. With their active involvement in the campaign they demonstrate a strong commitment to risk assessment as the first essential step for good workplace safety and health management.

By clicking on the different logos, you will get more information about the different partners and their campaign activities.

For more information on how to become an official campaign partner, [check our page partner offer and registration.](#)

Our Partners



More about...

Risk Assessment

Learn more about our [campaigns](#)

News

Safety with a smile – NAPO faces workplace risks and shows good practice
19.01.2009

Support grows for European risk assessment campaign
03.12.2008

European Week aims at cutting workplace accidents and diseases
20.10.2008

CAN- October is Canada's Healthy Workplace Month
15.10.2008

European organisations and multinationals join forces to promote safe and healthy workplaces
14.10.2008

[More news...](#)

Road transport. Preventing risks to drivers. Agency activities

High risks in transport sector (Physical work factors)

- 1. Exposure to whole body vibrations and prolonged sitting (combined exposure)**
 - ▶ Correlation with development back problems
 - ▶ → Ergonomic design of seat and cabin!
- 2. Manual handling during loading and unloading**
- 3. Exposure to loud noise**
 - ▶ Correlation with fatigue and negative cognitive aspects
- 4. Inhalation of vapours and fumes**
 - ▶ Exhaust fumes at terminals & stops, loading and unloading, washing & preparing vehicle, chemicals for on-board, filling up the vehicle, road dust
 - ▶ Combination with smoking increase the risk for respiration problems
- 5. Handling dangerous substances**
 - ▶ During loading and unloading

Exposure to risks – Work organisation

Trends:

- 1. Increasing work load and work pressure**
 - ▶ Just-in-time management, traffic problems
- 2. Monotonous jobs > average working population**
- 3. Learning opportunities < average working population**
- 4. Change of job content**
 - ▶ Knowledge on EU road codes, languages
 - ▶ Increasing use of technology
 - ▶ ! Need for proper training and education

Health outcomes (1)

Occupational accidents

- **Frequency rate is higher in comparison with other sectors**
- **Group at risk: males from age group 25-45 years**
- **Frequent accidents:**
 - ▶ **Slipping, falling from height, sprains due to (un)loading**
 - ▶ **Road transport: traffic accidents**

Health outcomes (2)

Work-related health problems

- **! High number of MSDs (back, neck and shoulder problems)**
 - ▶ **Correlation with age**
- **Other :**
 - ▶ **Stress-related health problems**
 - ▶ **Asbestos related diseases**
 - ▶ **Noise induced hearing loss**
 - ▶ **Fatigue**

Road transport – Agency activities

- Database of links to good practice resources
- Passenger vehicle case studies report : **preventing risks to drivers**
- Heavy Goods Vehicles case studies report: **protection of heavy goods vehicle drivers**
- Communicating and working with the sector: **collecting examples of programmes to promote OSH in the sector**
- Learning from accidents and injuries: **collecting reports of road transport occupational accidents and injuries which show what went wrong and why**



You are here: [Home](#) | [Good Practice](#) | [Topics](#) | Dangerous Substances

Menu

- About Us
- Good Practice**
- Topics
 - Accident Prevention
 - Dangerous Substances**
 - Musculoskeletal Disorders
 - Noise
 - Stress and psychosocial risks
 - Workplace Health Promotion
- Sectors
- Priority Groups
 - European Risk Observatory
 - Topics
 - Sectors
 - Priority Groups
 - Campaigns
 - Press Room
 - Publications
 - Organisations and strategies
 - Legislation
 - Statistics



Search the Link Database on Dangerous Substances

On this page you can search through all links related to this topic. The filter results will display directly under the you select some filter criteria the list will get more precise.

[Back to Dangerous Substances](#)

Search Text

Filter your search by selecting one or more of the filters. You can always remove any filter again by selecting the empty entry or by clicking the Reset button.

Database

Select the database types you want to search.

- OSH Link
- Risk Assessment Link
- Case Study
- Provider
- Publication

Remote Language

- Any language
- Български
- Čeština
- Dansk
- Deutsch

Country

- EU
 - Austria
 - Belgium
 - Bulgaria
 - Cyprus

Subcategory

- Transport of Dangerous Goods

Transport of Dangerous Goods

Quicksearch:

Multilingual Thesaurus Subject

Select one or more entries

Quicksearch:

Search results — 36 items match your criteria

Interactive risk assessment tool (IRAT)

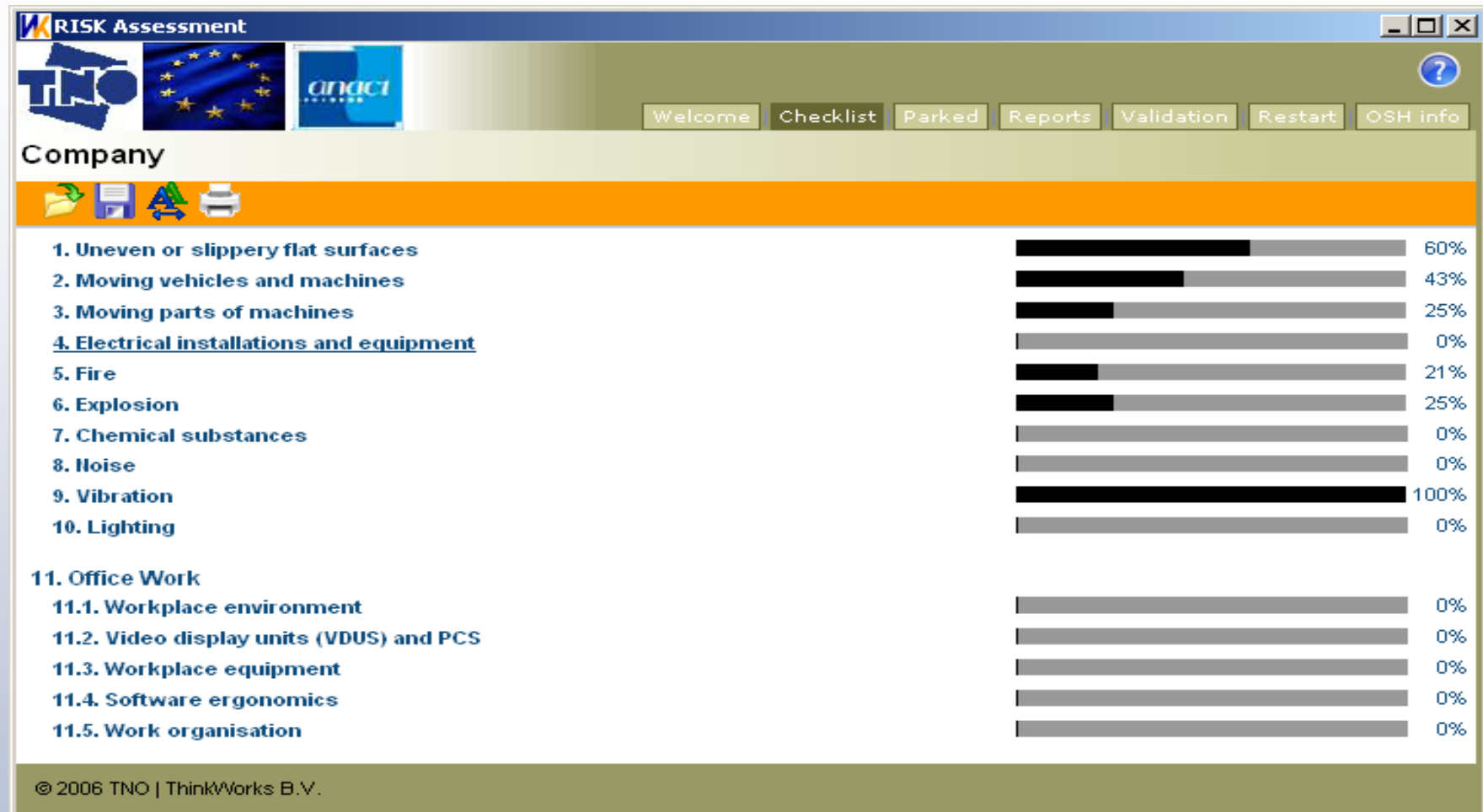
Interactive Risk Assessment tool (IRAT) - Goal

- To contribute to the “development of simple tools to facilitate RA” (Community Strategy 2007-2012)
- To develop and promote with social partners a practical RA tool in order to help companies in general and SMEs in particular to put in place the RA process;
- To contribute to demystify the RA process;
- To provide a tool which illustrates, through a stepwise approach, the RA process

IRAT - Target Audience


- **SME(s).** This tool could be used mainly for those SMEs wanting to carry out a RA or complete/review their RA;
- **Our intermediaries (social partners, OSH practitioners,)**
- **Anyone who would like to have a more practical overview on how to carry out a RA (“pedagogic/training” dimension of the tool).**

Checklist, overview of topics and progress



A certain question can filter out (hide) subsequent questions ...


RISK Assessment

TNO  onact

Welcome Checklist Parked Reports Validation Restart OSH info

Company



8. Noise

8.1	Can high noise levels arise as a result of work processes (e.g., metal-on-metal impact, engines)?	<input type="radio"/> yes <input checked="" type="radio"/> no	<input type="checkbox"/>	
------------	---	--	--------------------------	---

© 2006 TNO | ThinkWorks B.V.




... or activate subsequent questions;
this view shows all questions within the topic






RISK Assessment

TNO  

Welcome Checklist **Parked** Reports Validation Restart OSH info

Company

8. Noise				
8.1	Can high noise levels arise as a result of work processes (e.g., metal-on-metal impact, engines)?	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="checkbox"/>	
8.2	Can high noise levels arise as a result of ambient noise which penetrates buildings?	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="checkbox"/>	
8.3	Can operating noise mask alarm signals?	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="checkbox"/>	
8.4	Is the noise so loud that you would have to raise your voice to talk to people at your workplace?	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="checkbox"/>	
8.5	Do you unintentionally raise your voice when you talk to people after leaving your workplace?	<input checked="" type="radio"/> yes <input type="radio"/> no	<input type="checkbox"/>	

© 2006 TNO | ThinkWorks B.V.

This view shows one question at a time, plus explanation, image, hyperlinks, progress bar

The screenshot displays the 'RISK Assessment' software interface. At the top, there is a blue header with the title 'RISK Assessment' and logos for TNO, the European Union, and onact. Below the header is a navigation bar with buttons for 'Welcome', 'Checklist', 'Parked', 'Reports', 'Validation', 'Restart', and 'OSH info'. The main content area is titled 'Company' and features a progress bar. The current question is '8. Noise' with sub-question '8.4 Is the noise so loud that you would have to raise your voice to talk to people at your workplace?'. It includes radio buttons for 'yes' and 'no', and a 'Park question' checkbox. An 'Explanation:' section follows, stating that effective communication is essential in the workplace and that good speech communication requires a speech level at least 10 dB higher than the surrounding noise level. An image of a red and black safety helmet is shown. At the bottom, there is a blue hyperlink: 'The impact of noise at work Occupational Safety & Health Administration (OSHA)'. The footer contains the copyright notice '© 2006 TNO | ThinkWorks B.V.'.

Room for legal references and a box for additional comments in case of special risks



RISK Assessment


TNO | ANACT

Welcome Checklist Parked Reports Validation Restart OSH info

Company

requirement for it to be considered specifically in the risk assessment for noise. Noise can lead to accidents by:

- Making it harder for workers to hear and correctly understand speech and signals;
- Masking the sound of approaching danger or warning signals (e.g. reversing signals on vehicles)
- Distracting workers, such as drivers;
- Contributing to work-related stress that increases the cognitive load, increasing the likelihood of errors.



Legal reference:

Working Conditions Act, article 7b

[An introduction to noise at work](#)

Comments:

We will have to pay special attention to ...

© 2006 TNO | ThinkWorks B.V.




Parked questions

The screenshot shows a web application window titled "RISK Assessment". The header includes logos for TNO, the European Union, and anac1. A navigation menu contains buttons for "Welcome", "Checklist", "Parked", "Reports", "Validation", "Restart", and "OSH info". The main content area is titled "Company" and features a toolbar with icons for file operations. Below the toolbar, a table lists "Parked" questions:

Company	
	2. Moving vehicles and machines
2.4	Is the field of vision on transport routes reduced?
2.5	Are the means of transport ever used by unauthorised people?
	3. Moving parts of machines
3.5	Do safeguards make the operation of a machine inconvenient or more difficult?
3.6	Can a machine be oiled without removing the safeguard?
	5. Fire
5.4	Are there any sources of ignition (e.g., open fire, electrical equipment, electrostatic charges, or high temperature)?
5.5	Are fire-hazard areas appropriately signed?




© 2006 TNO | ThinkWorks B.V.

RISK Assessment

Welcome Checklist Parked **Reports** Validation Restart OSH info

Company

Report(s)

[Questions and answers overview](#)
[Action plan](#)

© 2006 TNO | ThinkWorks B.V.

Questions and answers are shown in a report, which also indicates problem areas

RISK Assessment

TNO |  | 

Welcome Checklist Parked Reports Validation Restart OSH info

Company

Problem needs to be solved.

8.2 Can high noise levels arise as a result of ambient noise which penetrates buildings?
Noise is an unwanted sound; its intensity ('loudness') is measured in decibels (dB). The decibel scale is logarithmic, so a three decibel increase in the sound level already represents a doubling of the noise intensity. For example, a normal conversation may be about 65 dB and someone shouting typically can be around 80 dB. The difference is only 15 dB but the shouting is 30 times as intensive. To take into account the fact that the human ear has different sensitivities to different frequencies, the strength or intensity of noise is usually measured in A-weighted decibels (dB(A)). It is not just the intensity that determines whether noise is hazardous. The duration of exposure is also very important. To take this into account, time-weighted average sound levels are used. For workplace noise, this is usually based on an eight-hour working day.




Decibel scale showing the intensity level of some familiar sounds.

Problem needs to be solved.

© 2006 TNO | ThinkWorks B.V.

Automatic Action plan, includes hazards, actions, sorting on priority, updateable status

RISK Assessment

TNO  

Welcome Checklist Parked Reports Validation Restart OSH info

Company

8. Noise

8. Noise (Company)

	Hazard	Actions	Budget	Who	Prioriteit	When	Status
8.1	Can high noise levels arise as a result of work processes (e.g., metal-on-metal impact, engines)? {yes}	Determine workers' exposure; check compliance with the limits established in legal requirements.	eur 1.500	JM	1	21/10/2006 until 21/10/2007	to do
8.4	Is the noise so loud that you would have to raise your voice to talk to people at your workplace? {yes}	Provide appropriate hearing protection (in consultation with employees or their representatives).	eur 999	A.	1	23/10/2006 until 21/10/2007	started
8.2	Can high noise levels arise as a result of ambient noise which penetrates buildings? {yes}	Limit time spent in noisy areas. Action can be COMPLETED by the user him/herself!	eur 888	A.	2	03/10/2007 until 21/10/2008	halfway
8.5	Do you unintentionally raise your voice when you talk to people after leaving your workplace? {yes}	Ensure regular hearing checks for all workers exposed to high level noise.	eur 2.000	JM	3	04/10/2008 until 21/10/2008	nearly done

© 2006 TNO | ThinkWorks B.V.

Next steps

- **“Internationalise” the tool (adapt the TNO tool to support multilingualism)**
- **Translate (into English) and adapt the IRAT intended to SMEs**
- **Translate the SMEs IRAT into other EU languages (depending on the expressions of interest from FOPs or other national institutions)**
- **Develop the sectorial IRAT (in close partnership with the social partners from the sector)**

<http://hw.osha.europa.eu>



Healthy Workplaces

Good for you. Good for business.
A European campaign on Risk Assessment

Lorenzo Munar
munar@osha.europa.eu