

# Safety, Health & Environment (SHE) Checklist for Contractors (certification scheme) (=SCC in Germany, VCA in NL/Belgium, MASE in France)

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CONCAWE Oil Pipeline operators  
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# SCC/VCA – SHE Contractor Checklist

- Presentation content
  - SHE Contractor Checklist
    - Status/developments (NL)
    - International cooperation (Be, Ger, Fr)
    - Content and results
  - SCC safety qualifications/competence
    - Cornerstone of SCC/VCA
    - Computer based testing
    - Alternative questions
- References/further information:  
<http://www.vca.nl> or  
<http://english.vca.nl/home/homepage-2.aspx>



# SCC/VCA – SHE Contractor Checklist

## Status and developments in the Netherlands

- Already 25 year VCA in Netherlands
- Approx. 15.000 companies VCA certified
- 1.5 million workers VCA qualified
- Lost Time Injury rate reduced by factor 5 compared to early nineties
- TNO study on VCA effectiveness completed
  - No scientific proof, but positive indicators
- Government showing additional interest in VCA
  - Successful safety initiative by private sector
- Further improvements in next revision



# Declarations NL/BE with Germany and France

## March 11<sup>th</sup> and July 5<sup>th</sup>, 2013

There is sufficient evidence that VCA/SCC and MASE are similar systems that give similar guarantees to the principals (plant-owners) with regard to the selection and SHE-performances of contractor and subcontractor companies.

Declarations were based on analysis of references, organizations and certification process, incl. cross audits.

Transparency matrix is being developed with purpose to

- show the evidence
- understand differences
- improve



# Content Safety, Health & Environment Checklist for Contractors

1. SHE Policy, Organization and Management Involvement
2. SHE Risk Management (identification&evaluation, Task Risk Analysis, Last Minute Risk Analysis)
3. Education, Training and Instruction of Personnel
4. SHE Awareness (SHE meetings, Behaviour Based Safety Program)
5. SHE Project Plan
6. Environmental Care (Prevention of Soil Contamination; Waste Handling)
7. Emergency Preparedness
8. SHE Inspections at the Workplace / SHE Trend Analysis
9. Occupational Health Care
10. Purchase and Inspection of Materials, Equipment, PPE.
11. Working with subcontractors and temporary personnel (employment agencies)
12. Reporting, Registration and Investigation of Incidents, Near Misses, etc.



# Coherence & type of contractor company certificates (SCC\*, SCC\*\* en SCC Petrochemistry)

SCC\* = workplace requirements (25)

SCC\*\* = SCC\* + structural requirements +  
6 additional questions (33/14)

SCC Petrochemistry = SCC\*\* + additional questions  
are now must questions (43/4)

Must questions in SCC Petrochemistry are additional  
questions SCC\*\*



# SCC Petrochemistry - must requirements

- Chain responsibility
  - Same requirements for contractors and subcontractors and assurance of compliance with the SCC requirements at the workplace
- Structured appraisal and selection of subcontractor companies
- Only use of certificated temporary employment agencies (VCU/SCT)
- SHE behaviour programme
  - Does the company has a programme to improve the SHE-awareness and SHE-behaviour?



# Number of active SCC/VCA certificates in SSVV database

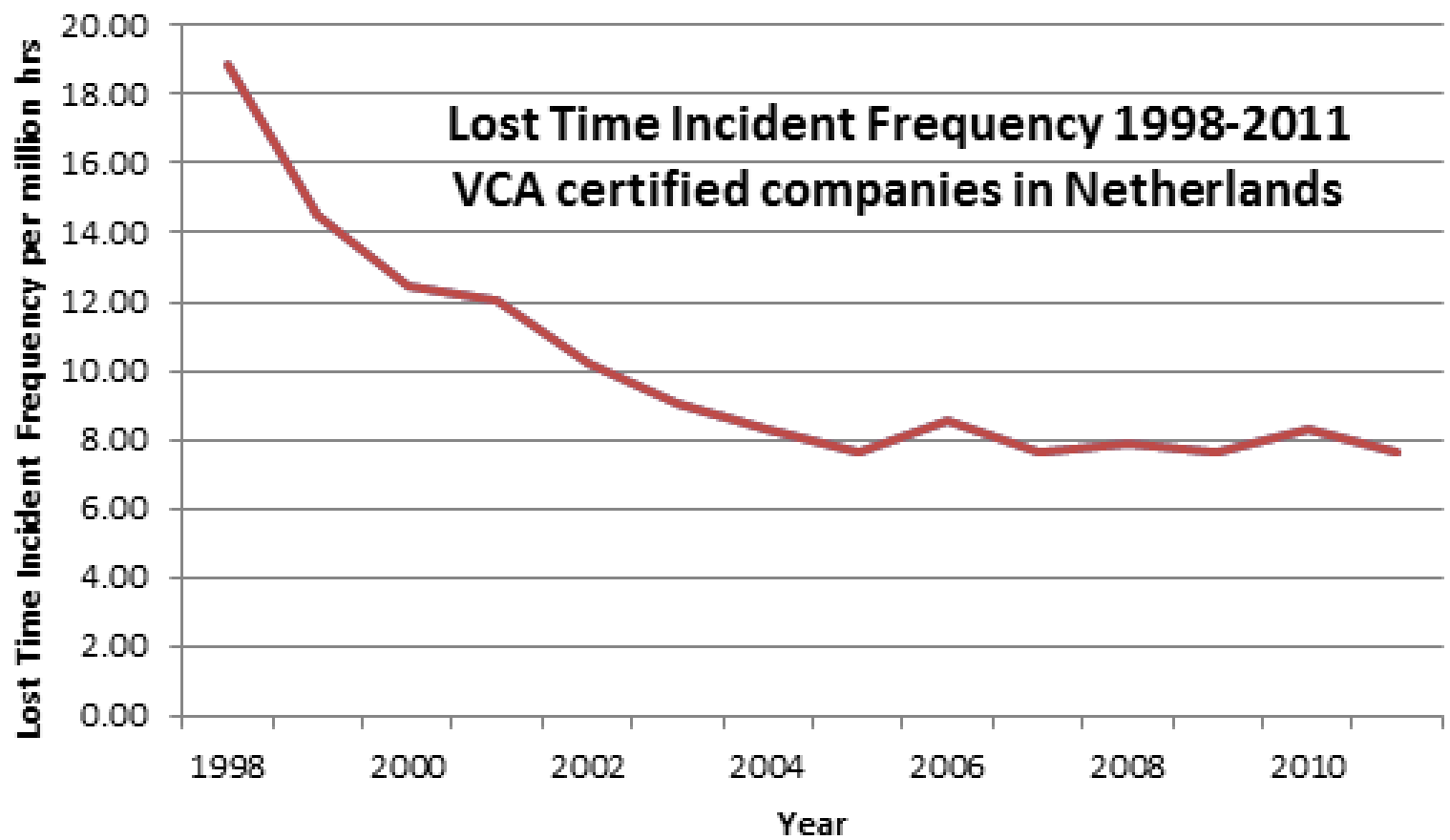
Country	Number of VCA company certificates			
	Date	6-2008	5-2010	11-2012
Netherlands		10155	12191	13744
Belgium		337	342	290
Germany		28	31	42
United Kingdom		14	21	29
France		13	11	13
Italy		11	14	17
Poland		7	20	38
Portugal		6	13	22
Austria		3	1	2
Cyprus		3	0	4
Slovenia		1	2	5
Lithuania		1	1	5
Ireland		1	1	4
Danmark		1	3	2
Czech Republic			2	2
Malta			1	2
Luxembourg			1	2
Romania			1	2
Surinam			1	1
Finland			1	4
Hungary				2
Spain				2
San Marino				1
<b>Total</b>		<b>10581</b>	<b>12658</b>	<b>14235</b>





# VCA Analysis Lost Time Incident Database Nov 2012

## Incident Frequency of VCA companies in 1998-2008



# Lost Time Injury Frequency 2012

## Incident Frequency

NL Chemical sector employees	1,38
NL Chemical sector contractors	3,04
All VCA companies (2011)	7,61

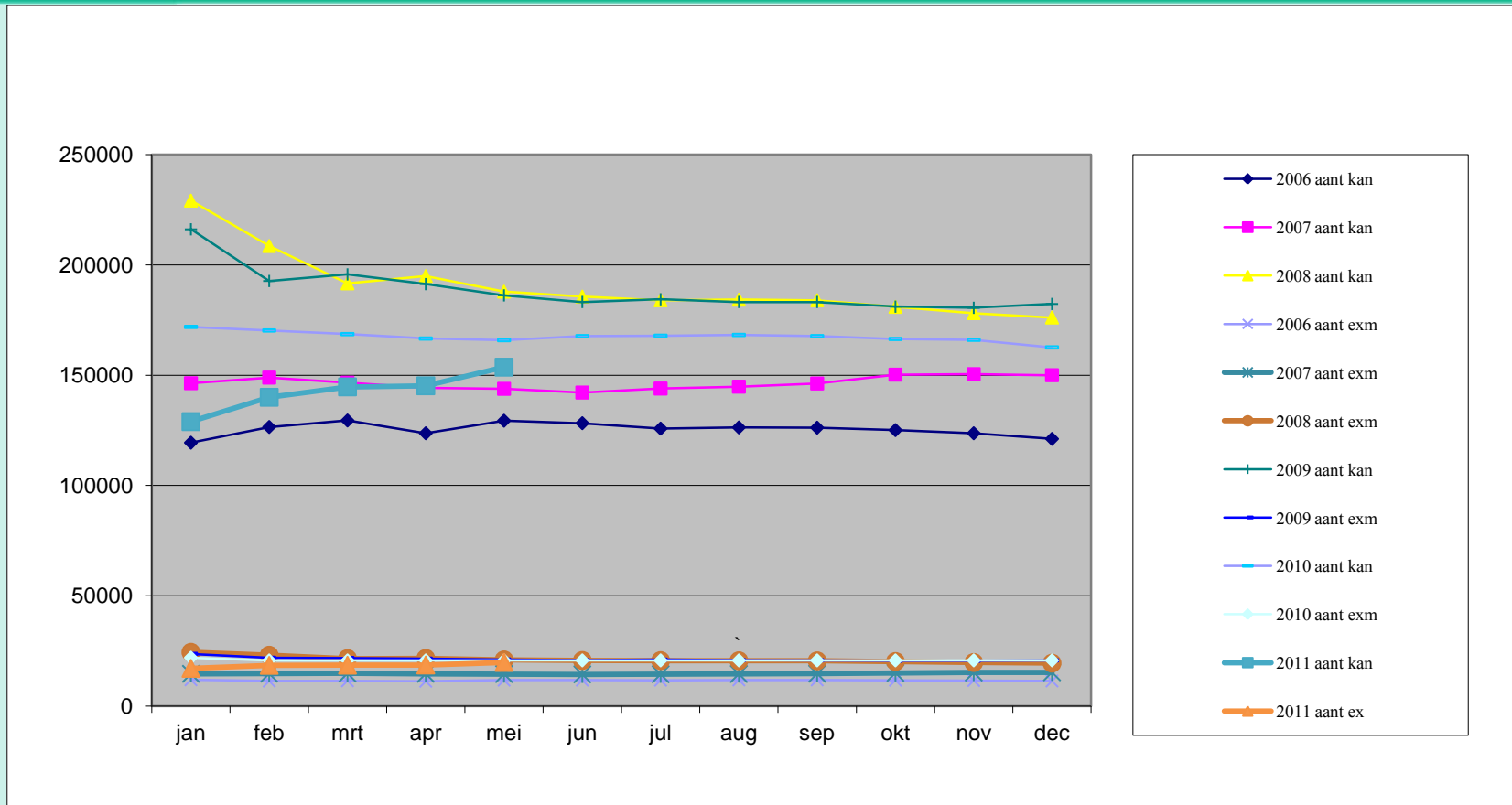


# SCC Safety Training/Competence

- SCC safety training/competence is the cornerstone of SCC system certification
- Basic Safety (B-VCA) and Supervisory Safety (VOL-VCA) have been revised and digitalized (in 2009)
- Expanding SSVV Training Guide since 2009 (qualification for higher risk tasks)
  - Working with respiratory protective equipment
  - Lifting and transportation of loads and materials
  - Scaffolding
  - Gas measurements



# VCA examinations – nr. candidates / nr. exams



Well established system with continuous improvement required



# Percentage of VCA / VCU examinations (% successful candidates - passing examination)

	2008	2009	2010	2012
<b>BVCA</b>	71,3%	72,6%	70%	68%
<b>VOL VCA</b>	27,3%	26,5 %	29%	31.1%
<b>VIL VCU</b>	1,4%	0,9%	0,8%	0.9%

(% successful examinations: BVCA 76%, VOL-VCA 91%)



# Qualifications - developments

## Computer Based Testing for VCA and SSVV training guide

Target: 100% in 2017

Aim:

- Individual/unique exams
- Alternative questions – measure what you want to know
- Less language sensitive
- Direct results
- Less fraud sensitive
- Cost efficient



# Alternative questions - developments

Now: 3 answers per question testing knowledge

Alternative CBT questions possible:

- Also questions about hazard recognition, safety awareness, insight and attitude
- Pictures/video/animation, e.g. safe versus unsafe situations
- Drag – yes/no – fill in – questions



# Other developments and discussions

- SVVV VCA diplomas in “Central Diploma Register”
- Evaluation of Computer Based Testing also for practice/competence exams of the qualifications in SSVV training guide
- Investigation regarding the language-level of the candidates
- Validity of diplomas 10 → 7 → 5 years





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- Thank you for your attention!
- Any questions or comments?
- References/further information:  
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<http://english.vca.nl/home/homepage-2.aspx>

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