

Required SHE certificates	SHE - Instruction VGM 010
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Read and approved by:	
General Manager :	Site Controller:
Deputy General Manager:	Production Manager:
Manager Asset Management:	Manager Technology & Environment:

Nature of the last change: Additions and changes relating to asbestos, industrial cleaning, rope access and building scaffolds.

Authorisation by process owner SHEQ Manager	Document manager Safety Manager
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INSTRUCTION
REQUIRED SHE CERTIFICATES

DEFINITIONS AND ABBREVIATIONS

HVK	Senior Safety Expert (Hogere Veiligheidskundige)
IRATA	Industrial Rope Access Trade Association
Indoor scaffold	Aluminium or plastic mobile scaffold with a work floor height of no more than 1 metre.
KEW	Nuclear Energy Act (Kernenergiewet)
MVK	Safety Expert (Middelbare Veiligheidskundige)
SSVV course	Training course accredited by the Cooperation for Safety Foundation (Stichting Samenwerken Voor Veiligheid)
SIR	Industrial Cleaning Foundation (Stichting Industriële Reiniging)
TCVT	Foundation for Supervising Vertical Transport Certification (Stichting Toezicht Certificatie Verticaal Transport)
VP	Competent Person (Vakbekwaam Persoon): An operative qualified in energy engineering or similar to at least vocational school level. The Competent Person has a written letter of appointment signed by his company's executive board.
VOP	Adequately Trained Person (Voldoende Onderricht Persoon) according to NEN3140 / EN50110, who has a written letter of appointment signed by his company's executive board.
VNCI	Dutch Chemical Industry Association (Vereniging Nederlandse Chemische Industrie)
WEB	Education and Vocational Training Act (Wet Educatie en Beroepsonderwijs)
WV	Working Foreman (Werkverantwoordelijke): A supervisory operative qualified in energy engineering or similar to at least secondary technical school level. This person has a written letter of appointment signed by his company's executive board.

1. GENERAL

This document identifies the (legally) required certificates for each activity which is to be performed by the contractor's employees. These documents must be provided on request.

2. CONTRACTOR COMPANY CERTIFICATES

Activity	Certificate	Required by
Asbestos removal/inspection	Asbestos removal certificate (SC Asbestverwijdering)	Legislator
Contractor activities that do not involve subcontractors	VCA* or SCC* or VCA** or SCC** or Petrochemical certificate	Nyrstar
Contractor activities that do involve subcontractors	VCA** or SCC** or Petrochemical certificate	Nyrstar
Temporary employment agencies	VCU or SCT certificate	Nyrstar
Industrial cleaning	Membership of SIR including a signed policy statement	Nyrstar
Waste collection	Permit for collecting waste materials, ISO 14001 Environmental Management	Legislator
Radiographic examination	Permit issued under the Nuclear Energy Act (Kew)	Legislator
Rope Access, (industrial climbing access)	IRATA or SPRAT	Nyrstar
Scaffolding erection activities	Nyrstar contract	Nyrstar
Working with Explosives	Working Conditions Certificate and company accreditation	Legislator

The above company certificates do not apply in the case of companies which exclusively deliver the services listed below.

- Administrative activities ^a
- Advisory and training activities ^a
- Catering ^a
- Housekeeping and cleaning activities ^a
- Shipping and freight companies ^a

^a Employers must have a valid personal SCC certificate if:

- o they work in the area behind the Delhaizeweg including acid loading activities (with the exception of truck drivers and barge skippers).
- o their work includes one of the activities listed in the chapter entitled Employee Certificates (with the exception of driving vehicles registered for use on the public roads).

3. EMPLOYEE CERTIFICATES

General activities.

Activity	Certificate	Required by
Employee activities	VCA (NL/B) or SCC 018 (D)	Nyrstar
Operational manager / working foreman on the site	VCA VOL (NL/B) or SCC 017 (D) or MVK or HVK or Sicherheitsfachkraft	Nyrstar

Asbestos

Activity	Certificate	Required by
Asbestos removal (qualified asbestos remover) level 1 and 2	SC-520 DAV-1 and DAV-2 & ability to speak and write Dutch to a high standard	Legislator
Asbestos Removal, Expert Supervisor	SC-510 DTA & ability to speak and write Dutch to a high standard	Legislator

Electrical engineering qualifications

Activity	Certificate	Required by
Electrical engineering fitter (low voltage).	<ul style="list-style-type: none"> - Electrical engineering qualification, level 2 or 4 under the Education and Vocational Training Act (WEB) or equivalent and - Appointment as a VP-laagspanning (Competent Person) for low-voltage electrical systems (by his/her company's executive board) 	Legislator
Electrical engineering working foreman (low voltage).	<ul style="list-style-type: none"> - Electrical engineering qualification, level 4 under the Education and Vocational Training Act (WEB) or equivalent and - Appointment as a WV-laagspanning (Working Foreman) for low-voltage electrical systems (by his/her company's executive board) 	Legislator
Electrical engineering fitter (high voltage).	<ul style="list-style-type: none"> - Electrical engineering qualification, level 2 or 4 under the Education and Vocational Training Act (WEB) or equivalent and - Appointment as a VP-hoogspanning (Competent Person) for high-voltage electrical systems (by his/her company's executive board) - Qualification as a high-voltage electrical fitter 	Nyrstar
Electrical engineering working foreman (high voltage).	<ul style="list-style-type: none"> - Electrical engineering qualification, level 4 under the Education and Vocational Training Act (WEB) or equivalent and - Appointment as a WV-hoogspanning (Working Foreman) for high-voltage electrical systems (by his/her company's executive board) - Qualification as a Working Foreman for high-voltage electrical systems 	Nyrstar
Electrical engineering work on ATEX fittings and wiring systems	<ul style="list-style-type: none"> - Electrical engineering qualification, level 2 under the Education and Vocational Training Act (WEB) or equivalent and - Personal IECEx-05 certificate 	Legislator
Non-electrical engineering work in electrical and instrumentation rooms.	<ul style="list-style-type: none"> - Proof of instruction according to NEN3140 / EN50110 (by Nyrstar) and - Appointment as a VOP-laagspanning (Adequately Trained Person) for low-voltage electrical systems (by Nyrstar) 	Legislator

Explosives

Activity	Certificate	Required by
Working with Explosives	<ul style="list-style-type: none"> - Police certification and - 'Basic course on "Working safely with explosives" and - Proven practical skills. 	Legislator / Nyrstar
Supervisor for working with explosions	<ul style="list-style-type: none"> - Police certification and - Demonstrable practical skills. - Certificate of proficiency as an explosives expert or Dutch Shotfirer Certificate 	Legislator / Nyrstar

Industrial cleaning

Activity	Certificate	Required by
Safety unit operation (respirator equipment)	Proof of instruction or SIR Respiratory Protection level B/C	Nyrstar
Chemical and Technical cleaning	SIR Chemical Technical Operator (CTO)	Legislator
Chemical and Technical cleaning supervisor	SIR Chemical Technical Supervisor (CTS)	Legislator
High-pressure washer (> 250 bars)	SIR High Pressure Water Jetter (HPWJ) SIR High Pressure Pump Operator (HPPO)	Legislator
High-pressure washer (> 250 bars), supervisor	SIR High Pressure Supervisor (HPS)	Legislator
Environmental air-dependent respiratory protection for industrial cleaning	SIR Respiratory Protection level A	Legislator
Independent respiratory protection for industrial cleaning	SIR Respiratory Protection level B or SIR Respiratory Protection level C	Legislator
Suction vehicle	SIR Pressure Vacuum Pump Operator (PVPO)	Legislator
Suction vehicle supervisor	SIR Pressure Vacuum Supervisor (PVS)	Legislator

Driver/machine operator

Activity	Certificate	Required by
Driving vehicles registered for use on the public roads	In accordance with Dutch legal requirements (Road Traffic Act)	Nyrstar
Working with forklift trucks	Forklift truck certificate	Nyrstar
Working with aerial work platforms <ul style="list-style-type: none"> - Static articulated boom access platform cat. 1B - Mobile vertically telescoping access platform cat. 3A - Mobile articulated boom access platform cat. 3B 	Relevant aerial work platform certificate ¹	Nyrstar
Working with hydraulic excavators	Excavator operator certificate or equivalent	Nyrstar
Working with a telescopic handler for lifting loads (operating load moment <10 tonne metres)	Telescopic handler certificate ¹	Nyrstar

¹ One-day course covering theory and practical application.

Rope Access

Activity	Certificate	Required by
Employee activities	Rope Access /Technician (IRATA / SPRAT level 1) Rope Access Operative Lead Technician (IRATA / SPRAT level 2)	Nyrstar
Operational manager / working foreman on the site	Rope Access Supervisor Technician (IRATA / SPRAT level 3)	Nyrstar

Scaffolding construction

Activity	Certificate	Required by
Assembly of standard scaffolds	Assistant Fitter or Fitter	Legislator
Assembly of all scaffolds / handover of standard scaffolds	Senior Fitter	Legislator
Assembly and handover of all scaffolds	Foreman	Legislator
Assembly of mobile scaffolds other than indoor scaffolds	Assistant Fitter or Fitter	Nyrstar
Assembly and handover of mobile scaffolds other than indoor scaffolds	Senior Fitter	Nyrstar

Safety-related training courses

Activity	Certificate	Required by
Safety unit operation (respirator equipment)	See industrial cleaning	Nyrstar
External watchman (manhole sentry)	SCC external watchman certificate ²	Nyrstar
Fire sentry	Fire sentry/Fire engine crew Nbbe ²	Nyrstar
Gas measurement: EX-OX	Gas measurement certificate ²	Nyrstar
Radiographic examination	Radiation expert level 5A	Nyrstar
Working with breathing apparatus	Proven training history ¹ and medical examination ³	Nyrstar

Moving loads/hoisting

Activity	Certificate	Required by
Hoisting with a mobile crane (operating load moment 10 tonne metres or more)	TCVT Mobile crane & ability to speak and write Dutch to a high standard	Legislator
Hoisting with a tower crane (operating load moment 10 tonne metres or more)	TCVT Tower crane & ability to speak and write Dutch to a high standard	Legislator
Hoisting with a telescopic handler (operating load moment 10 tonne metres or more)	TCVT Telescopic handler with hoisting function & ability to speak and write Dutch to a high standard	Legislator
Working with a telescopic handler for lifting loads (operating load moment <10 tonne metres)	Telescopic handler certificate ¹	Nyrstar
Hoisting with a truck-mounted mobile crane, other than loading/unloading next to the truck (operating load moment 10 tonne metres or more)	TCVT Truck-mounted crane with hoisting function & ability to speak and write Dutch to a high standard	Legislator
Hoisting with an overhead travelling crane	Working safely with an overhead travelling crane ¹	Nyrstar
Incidentally moving loads	Load rigging certificate ¹	Nyrstar
Spotting for a crane / rigging loads	Crane spotter TCVT W4-08 or TCVT (Mobile) crane	Nyrstar

¹ One-day course covering theory and practical application.

² Nyrstar personnel must be able to prove that they have received training (i.e.: registered in Nyrstar's Training information system).

³ Depending on age (< 40 years old: every three years, between 40 and 50 years old: every two years, > 50 years old: every year).

Comment:

During the pre-order and execution phase, the organisations/operatives concerned will be assessed to determine compliance with the certification and training requirements. This information/these certificates must be present at Nyrstar's site, or can be made available within a limited period of time (a few hours).