



Safety at CERN

La sécurité au CERN



Christoph BALLE
Safety Training



HSE

Occupational Health & Safety
and Environmental Protection Unit



Safety at CERN

La sécurité au CERN



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Safety Training



HSE

Occupational Health & Safety
and Environmental Protection Unit

Safety at CERN

La sécurité au CERN

① Occupational Health & Safety

Santé et sécurité au travail

② Environmental Protection

Protection de l'environnement

③ Safety of Equipment and Installations

Sécurité des équipements et des installations

④ Operational Safety

Sécurité de l'exploitation



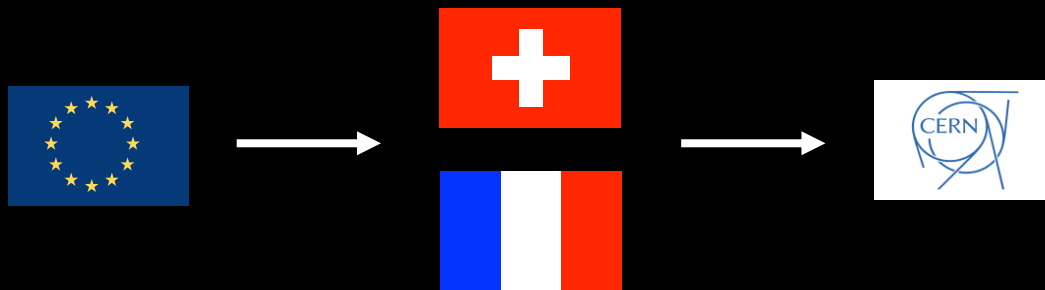
Safety Policy Committee

Comité pour la Politique de Sécurité

SAPOCO

Safety Rules

Règle de Sécurité



Safety Responsibilities

Responsabilités en matière de Sécurité

Director General

Accelerators & Technology

Finance & Human Resources

International Relations

Research & Computing

BE

EN

TE

FAP

IPT

HR

SMB

...

ECO

EP

TH

IT

Accelerator
Beam Transfer

Cryogenics

Electrical Power
Converter

Machine Protection
Electrical Integrity

Magnets, Super-
conductors, Cryostats

Vacuum, Surfaces
and Coatings

Beam Transfer
Physics

Electronics
& Controls

Fast Pulsed
Systems

Septa

Sectors

Dep.

Groups

Sections

Director General



Accelerators & Technology

Finance & Human Resources

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Dep.

Groups

Sections



HSE
Occupational Health & Safety
and Environment Protection Unit



Environment Monitoring
Safety Engineering
Occupational Safety
Safety Inspections
Safety Training



**Safety Engineering
& Environment**

*Ingénierie de Sécurité
& Environnement*



Research & Design Studies
Operational Radiation Protection
Dosimetry
Waste
Radiation Monitoring



**Radiation
Protection**

Radioprotection



Ambulance
Prevention
Intervention
Drill



74444

+41 22 767 4444



**Fire & Rescue
Service**

Service Secours & Feu



Health Monitoring
First Aid
Medical Check-ups
Health Campaigns



Medical Service

Service Médical



HSE
Occupational Health & Safety
and Environment Protection Unit



Environment Monitoring
Safety Engineering
Occupational Safety
Safety Inspections
Safety Training



**Safety Engineering
& Environment**

*Ingénierie de Sécurité
& Environnement*



Research & Design Studies
Operational Radiation Protection
Dosimetry
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**Radiation
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Radioprotection



Ambulance
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**Fire & Rescue
Service**

Service Secours & Feu



Health Monitoring
First Aid
Medical Check-ups
Health Campaigns



Medical Service

Service Médical

Director General



- Safety Engineering & Environment
- Radiation Protection
- Fire & Rescue
- Medical Service

Accelerators & Technology

Finance & Human Resources

International Relations

Research & Computing

- BE
- EN
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- Accelerator Beam Transfer
- Cryogenics
- Electrical Power Converter
- Machine Protection Electrical Integrity
- Magnets, Superconductors, Cryostats
- Vacuum, Surfaces and Coatings

- Beam Transfer Physics
- Electronics & Controls
- Fast Pulsed Systems
- Septa

Director General



- Safety Engineering & Environment
- Radiation Protection
- Fire & Rescue
- Medical Service

Accelerators & Technology

Finance & Human Resources

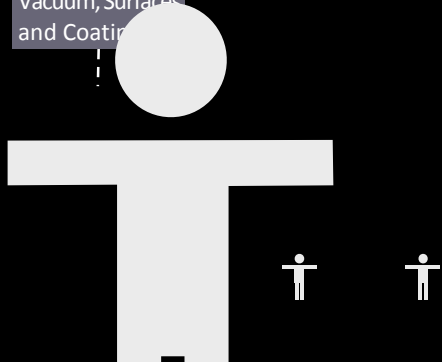
International Relations

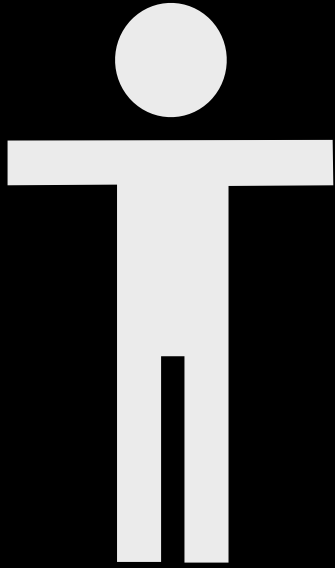
Research & Computing

- BE
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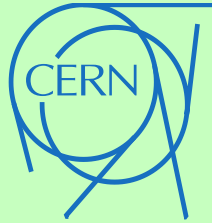
- Beam Transfer Physics
- Electronics & Controls
- Fast Pulsed Systems
- Septa



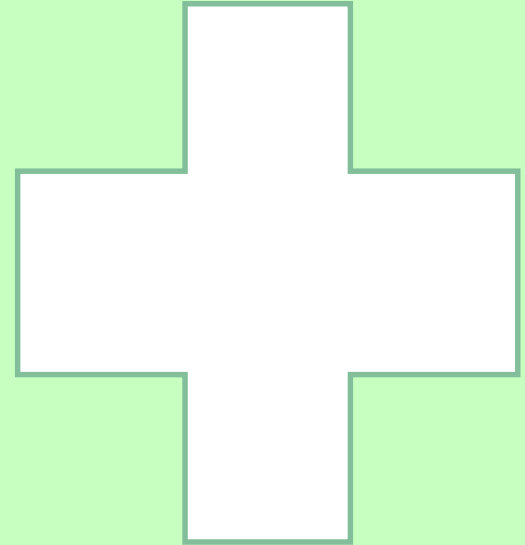


First Aider

Secouriste

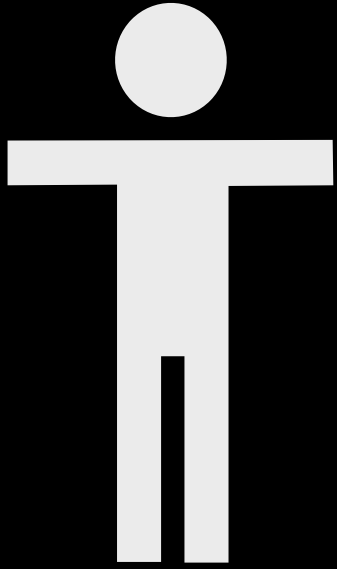


**FIRST AIDER
SECOURISTE**



NAME : Jean-Pierre DUCHEMIN

VALIDITY: 12 November 2015



First Aider

Secouriste



Director General



HSE
Occupational Health & Safety
and Environment Protection Unit

Safety Engineering
& Environment

Radiation
Protection

Fire &
Rescue



Medical
Service



Accelerators &
Technology

Finance &
Human Resources

International
Relations

Research &
Computing

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Beam Transfer
Physics

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Fast Pulsed
Systems

Septa



Director General



- Safety Engineering & Environment
- Radiation Protection
- Fire & Rescue
- Medical Service

Accelerators & Technology

Finance & Human Resources

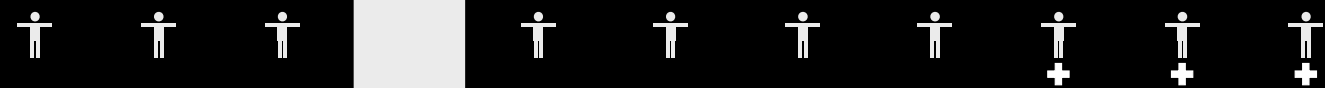
International Relations

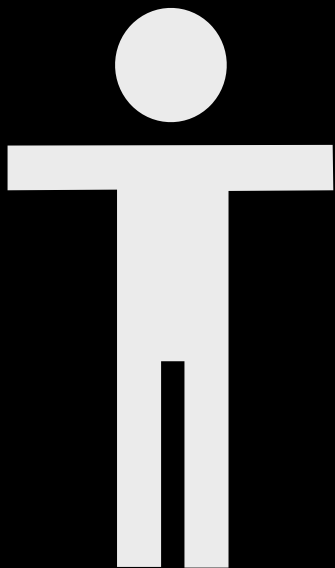
Research & Computing

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- Beam Transfer Physics
- Electronics & Controls
- Fast Systems





**Territorial
Safety Officer**

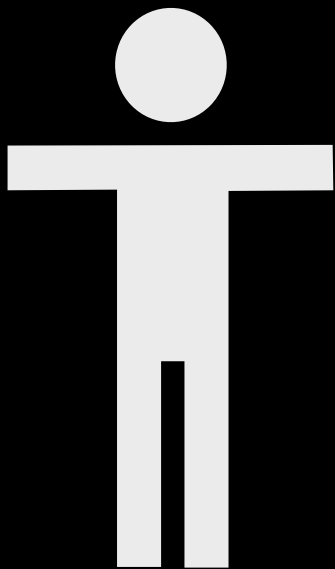
*Délégué à la Sécurité
Territoriale*

BUILDING N°: 192

Territorial Safety Officer

T. Jones Dep.: **TE**

Tel / GSM: **74711**



Territorial Safety Officer

*Délégué à la Sécurité
Territoriale*



Director General



HSE

Occupational Health & Safety and Environment Protection Unit

Safety Engineering & Environment

Radiation Protection

Fire & Rescue

Medical Service

Accelerators & Technology

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International Relations

Research & Computing

BE DSO

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Accelerator Beam Transfer

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Electronics & Controls

Fast Pulsed Systems

Septa

TSO

TSO

TSO

PSO

FGSO

RSO

EXSO

CSO

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Director General



HSE
Occupational Health & Safety
and Environment Protection Unit

Safety Engineering
& Environment

Radiation
Protection

Fire &
Rescue



Medical
Service



Accelerators &
Technology

Finance &
Human Resources

International
Relations

Research &
Computing



Accelerator
Team Transfer

Cryogenics

Electrical Power
Converter

Machine Protection
Electrical Integrity

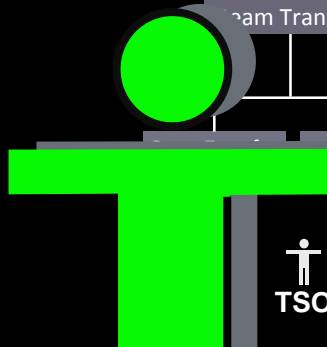
Magnets, Super-
conductors, Cryostats

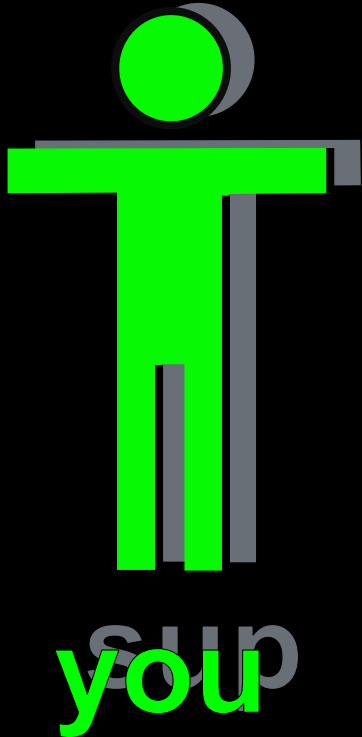
Vacuum, Surfaces
and Coatings

Electronics
Controls

Fast Pulsed
Systems

Septa





Occupational Hazards

https://edh.cern.ch/apps/OHS/

CERN Accelerating science Signed in as: BALLE Sign out Directory

EDH SAFETY FORM OHS-0-0-3 IDENTIFICATION OF OCCUPATIONAL HAZARDS

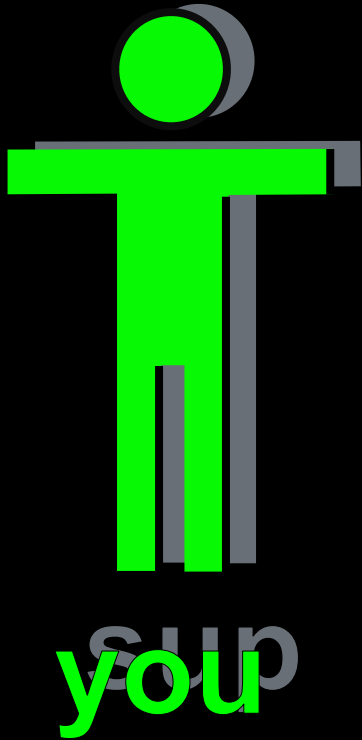
New Declaration Save Print Help

User Details Risks Declaration

Hide all details Show all details Only declared risk(s) Show the details when selected

- 100 - Mechanical hazards
- 200 - Electrical hazards
- 300 - Chemical hazards
- 400 - Fire/explosion hazards
- 500 - Hazards associated with ionising radiation
- 600 - Hazards associated with non-ionising radiation
- 700 - Cryogenic hazards
- 800 - Biological hazards
- 900 - Road and traffic hazards
 - 901 - Driving of motor vehicles
 - 902 - Use of bicycles
 - Others (please specify)

Electronic Document Handling System (EDH) v. 14.09.A prodEDH_A_5 In case of problems or for any question, please [click here](#)



CERN | SIR | Portable ODH Detector

https://sir.cern.ch/sir/?p=106:56:211076457383627:::MODULE_CURRENT_ID,FIRST_TIME_IN_PAGE:1603,1

SIR - Safety Information Registration

Main Menu > Portable ODH Detector > Portable ODH Detector (Module 1) English

OUTLINE NOTES

Search...

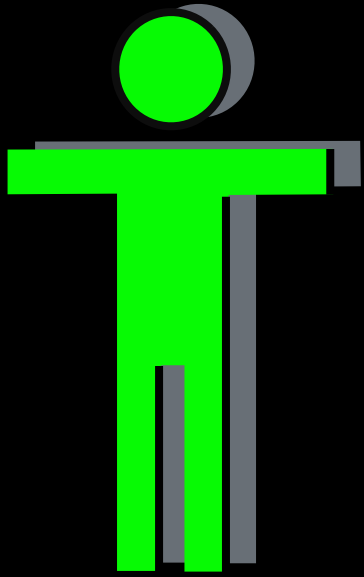
1. Introduction
2. Please turn on the SOUND
3. Explanation of the player
4. Prerequisite for this course
5. Learning objectives In this e-learning course you will learn ...
6. Portable ODH Detector CERN configuration
7. Portable ODH Detector CERN configuration
8. Portable ODH Detector CERN configuration
9. Operation Pick-up
10. Operation Switch on
11. Operation Wearing
12. Operation Running Mode
13. Operation Switch off
14. Operation Storage
15. Alarms
16. Alarm ODH (Oxygen Deficiency Hazard)
17. Alarm ODH (Oxygen Deficiency Hazard)
18. Alarm Battery almost empty
19. Alarm Battery empty
20. Alarm Malfunction
21. Summary of the course
22. ...

Alarm ODH (Oxygen Deficiency Hazard)

A1

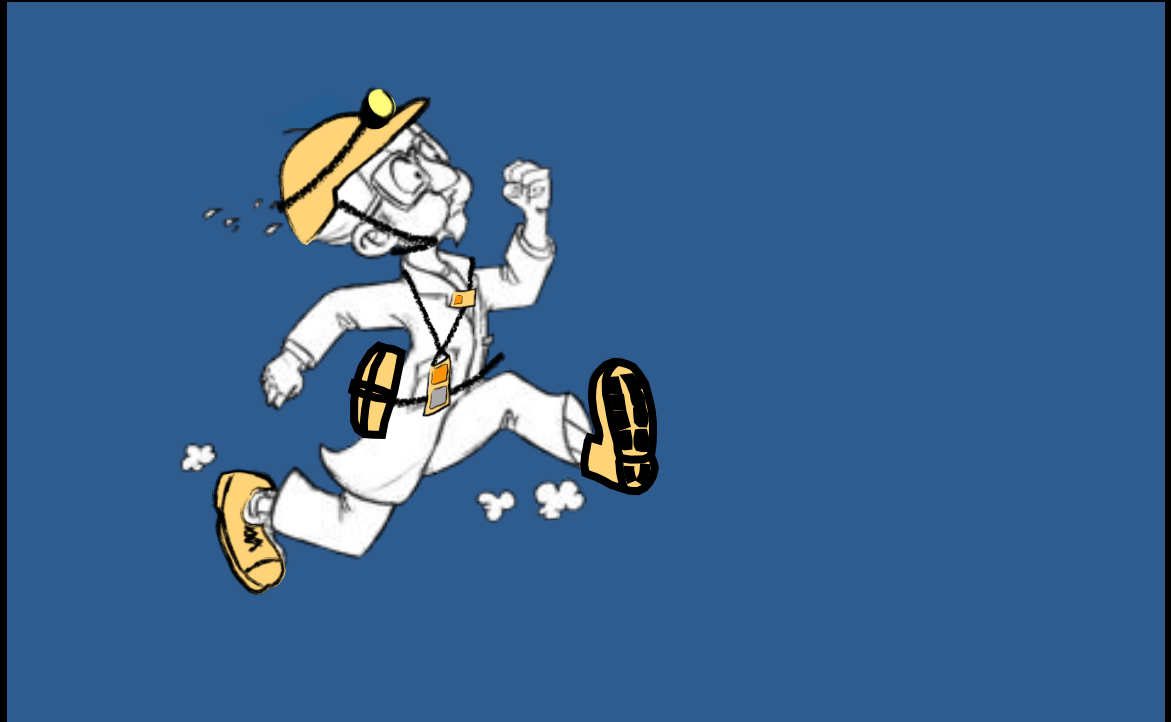
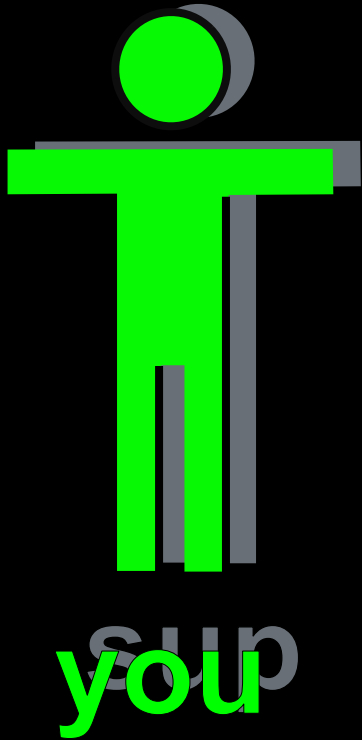
16 / 22 05:44 / 07:47

PREV NEXT



sup
you



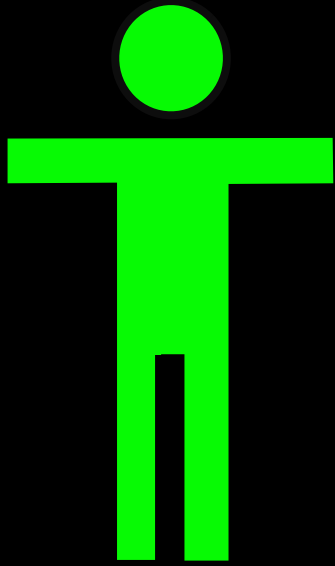


Personal Protective Equipment

PPE

Équipement de Protection Individuelle

EPI



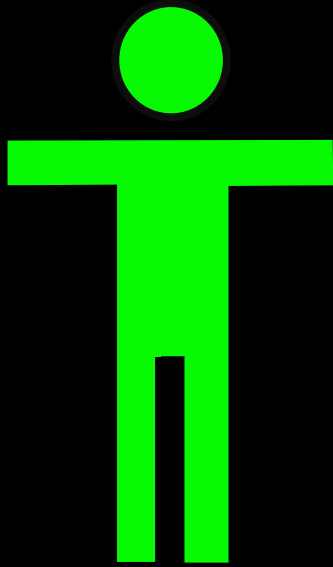
you



THE CERN SAFETY POLICY

Each person [...] shall actively contribute to the implementation of the CERN Safety Policy through

- exemplary conduct and [...]
- compliance with CERN Safety Rules [...]
- actively seeking information to minimise risks,
- avoiding dangerous situations for herself/himself and [...]
- exercising the responsibilities assigned to her/him safely.



you

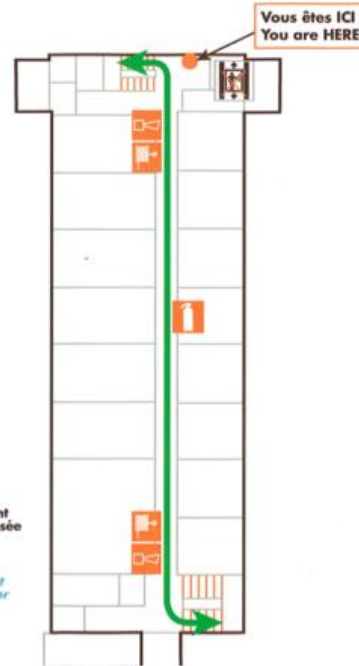
URGENCE / EMERGENCY

INCENDIE / FIRE

-  **74444**
Donner l'alarme
Set off the alarm
-  **Combattez le feu**
Start fighting the fire
-  **L'air frais est près du sol**
Fresh air may be closer to floor
-  **N'utilisez pas l'ascenseur**
Do not use the lift

-  **Point de rassemblement**
Meeting point
-  **Voies d'évacuation**
Escape routes
-  **Alarme**
Alarm
-  **Lance incendie**
Fire hose
-  **Extincteur**


BATIMENT 36
BUILDING 36
3^{ème} étage
3rd floor

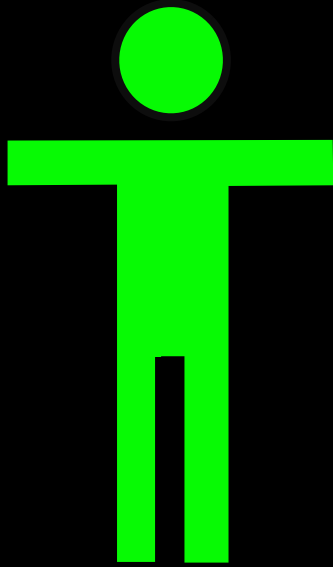


EVACUATION

-  **Lorsque le signal d'évacuation retentit**
When the alarm rings
-  **Suivez le balisage**
Follow the signs
-  **N'utilisez pas l'ascenseur**
Don't use the lift
-  **Se rendre sur le point de rassemblement**
Go to meeting point

ACCIDENT

 **74444**



you

Internal Accident Report

https://edh.cern.ch/Document/General/Accident2

Internal Accident Report

Reload Clone Attach Pr.View Save Send Help

Confidential Urgent

Fields with asterisks (*) are mandatory and must be filled in.

Created by **Christoph BALLE (DGS-SEE-ST)** Tel: 75280 164119 on 26.12.2014

Applicable administrative procedure : "Accidents"

What

Type of Safety Issue*:

Accident :

Personal Accident :

Near miss :

Hazardous Situation : ?

Short description*:

Detailed Description*:

Immediate action taken:

When

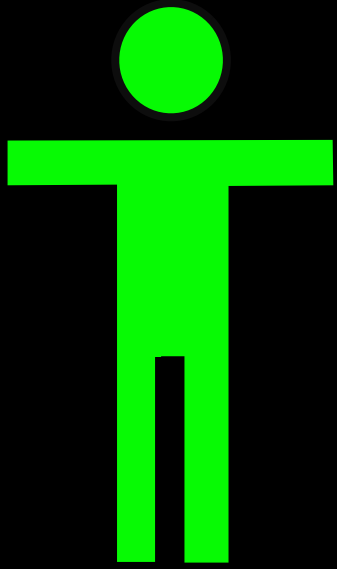
Date*:

Time*:

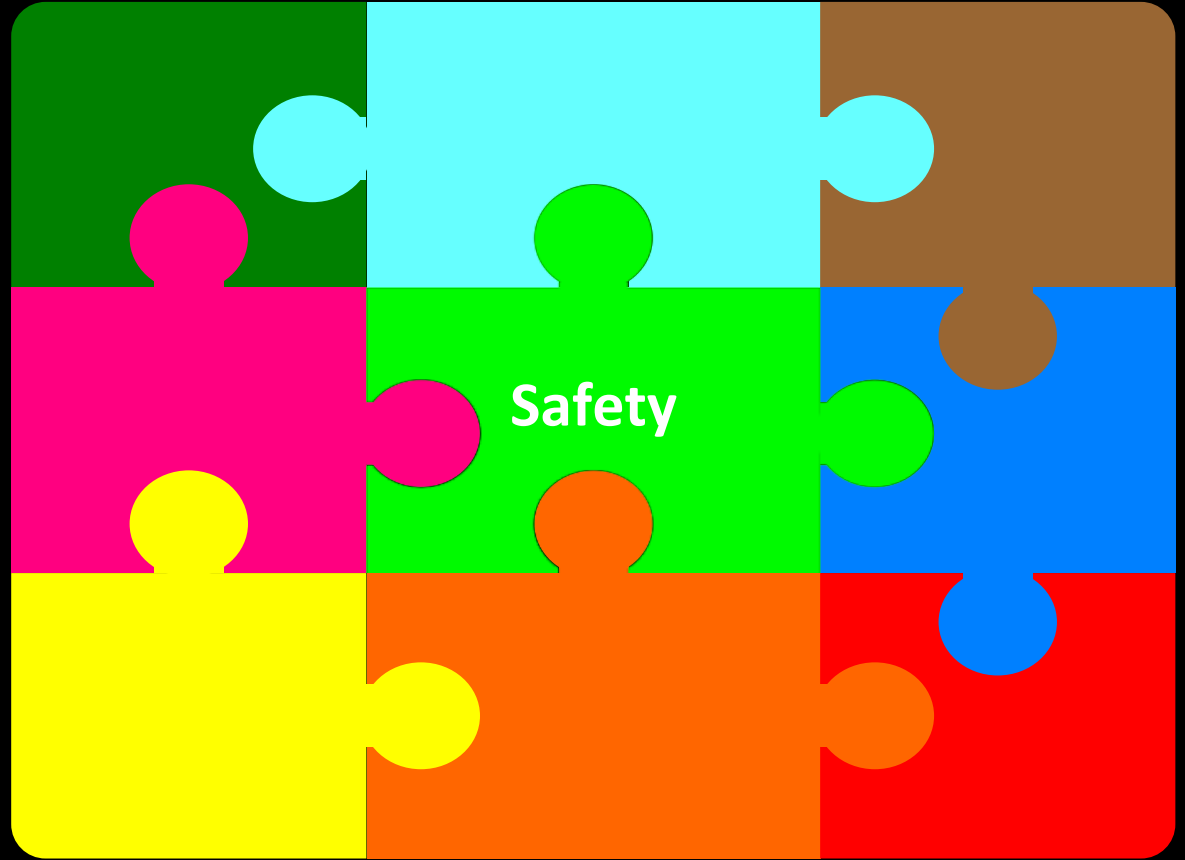
Where

On CERN site*:

Details about the location*:



you





www.cern.ch

Questions?

Questions?

More Information

Plus d'information

The screenshot shows the CERN Directory website. The browser address bar displays 'directory.web.cern.ch/directory/'. The page header includes 'CERN Accelerating science', 'Sign in', and 'Directory'. A search bar is present with the text 'Phonebook search' and a 'Search' button. The main content area is divided into sections: 'The CERN Directory' with a search prompt, 'Departments, groups and units' with a grid of department links, and 'Training and development' with a grid of training links. A 'USEFUL CONTACTS' sidebar lists emergency numbers. A 'JUMP TO SECTION' sidebar lists various site sections. Two links are circled in orange: 'HSE - Occupational health and safety' under the departments section and 'Safety Training' under the training section.

Directory | CERN

directory.web.cern.ch/directory/

CERN Accelerating science

Sign in Directory

The CERN Directory

Search for what you need, or browse CERN websites. Looking for the [Scientists](#) or [CERN people](#) sections, or just curious about CERN?

Phonebook Phonebook search Search

USEFUL CONTACTS

- Emergencies **74444**
- Computer security **70500**
- CERN service portal **77777**
- Switchboard **111**

Departments, groups and units

CERN's departments

- BE - Beams
- EN - Engineering
- FP - Finance, procurement and knowledge transfer
- GS - General infrastructure services
- HR - Human resources
- IT - Information technology
- PH - Physics
- TE - Technology
- TH - Theory Unit
- DGU - Director-General unit
- EU projects office
- HSE - Occupational health and safety**
- environmental protection unit
- SRO - Stakeholder relations office
- The structure of CERN

JUMP TO SECTION

- Departments, groups and units
- Experiments and projects
- Applications
- Admin and procedures
- Maps and access
- News and events

Training and development

Schools, training and development

- Academic training lectures: Regular programme
- Academic training lectures for postgraduate students
- Academic training lecture videos
- CERN accelerator school (CAS)
- CERN school of computing (CSC)
- European schools of high-energy physics
- HR learning and development
- Latin-American schools of high-energy physics
- Safety Training**
- Summer students programme

Accelerators and physics

- Documents, reports and publications
- Committees and council
- Working at CERN
- Life at CERN

Occupational Accidents

Accidents professionnels

Falls

Chutes



Handling

Manutention



Hits & false move

Heurts & mouvements



Road traffic

Circulation routière



Tools

Outils



Others

Autres



0 10 20 30 40 50 60 70

per year
par année

