



# Safety at CERN

*La sécurité au CERN*



**Christoph BALLE**  
Safety Training



**HSE**

Occupational Health & Safety  
and Environmental Protection Unit



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# **Safety at CERN**

*La sécurité au CERN*

# ① Occupational Health & Safety

*Santé et sécurité au travail*

# ② Environmental Protection

*Protection de l'environnement*

# ③ Safe Equipment and Operation

*Sécurité des équipements et de l'exploitation*

Read CERN Safety Policy



## THE CERN SAFETY POLICY

CERN, an intergovernmental organization for fundamental research in particle physics, defines and implements a Safety Policy. Safety covers occupational health and safety, including radiation protection, the protection of the environment and the safe operation of CERN's Installations, including radiation safety.

**CERN strives for excellence in matters of Safety.**

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**INTRODUCTION BY THE DIRECTOR-GENERAL**

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CERN strives for excellence. We strive for excellence in science, excellence in innovation, and excellence in everything we do. Safety is very much at the heart of that. The objective of CERN's Safety Policy is that the Organization's scientific and technical excellence be matched by excellence in matters of Safety. To this end CERN promotes environmentally aware research, best practices in matters of Safety and strives for the optimal protection of the health and safety of all those involved in its activities.

CERN's performance in matters of Safety is dependent on every one of us. I invite you to familiarize yourself with the CERN Safety Policy and our Safety Rules, and I am confident that you will actively contribute to CERN's excellence in matters of Safety through exemplary conduct and the use of best Safety practices when carrying out your activities at CERN.

---

Fabio Gianotti  
Director-General  
8 July 2016



# **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, Superconductors, Cryostats

Vacuum, Surfaces and Coatings

Beam Transfer Physics

Electronics & Controls

Fast Pulsed Systems

Septa

Sectors

Dep.

Groups

Sections

Read CERN Safety Policy  
 Record emergency number



Environment Monitoring  
 Safety Engineering  
 Occupational Safety  
 Safety Inspections  
 Safety Training



Ingénierie de Sécurité  
 & Environnement



Research & Design Studies  
 Operational Radiation Protection  
 Personal Dosimetry  
 Radioactive 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 Environmental 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  
Personal Dosimetry  
Radioactive Waste  
Radiation Monitoring



**Radiation  
Protection**

*Radioprotection*



Ambulance  
Prevention  
Intervention  
Drill



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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



**HSE**  
Occupational Health & Safety  
and Environmental Protection Unit

Safety Engineering  
& Environment

Radiation  
Protection

Fire & Rescue



Medical  
Service



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

Director General



**HSE**  
Occupational Health & Safety  
and Environmental Protection Unit

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

Accelerators & Technology

Finance & Human Resources

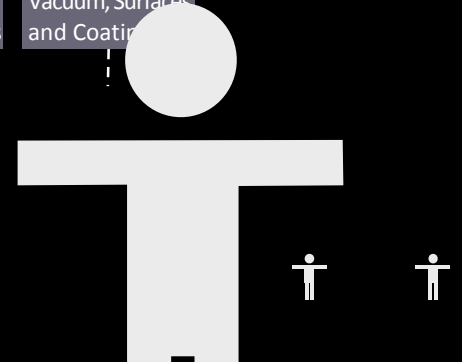
International Relations

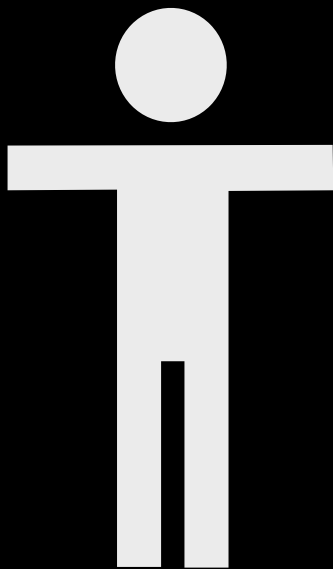
Research & Computing

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- Accelerator Beam Transfer
- Cryogenics
- Electrical Power Converter
- Machine Protection Electrical Integrity
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- Vacuum, Surfaces and Coatings

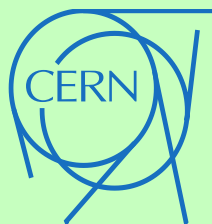
- Beam Transfer Physics
- Electronics & Controls
- Fast Pulsed Systems
- Septa





**First Aider**

*Secouriste*



# FIRST AIDER SECOURISTE

- Read CERN Safety Policy
- Record emergency number
- Meet First Aider

**NAME : Jean-Pierre DUCHEMIN**

**VALIDITY: 12 November 2019**

Director General



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

Accelerators & Technology

Finance & Human Resources

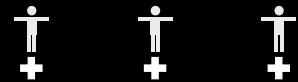
International Relations

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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 &  
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Accelerator  
Beam Transfer

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Machine Protection  
Electrical Integrity

Magnets, Super-  
conductors, Cryostats

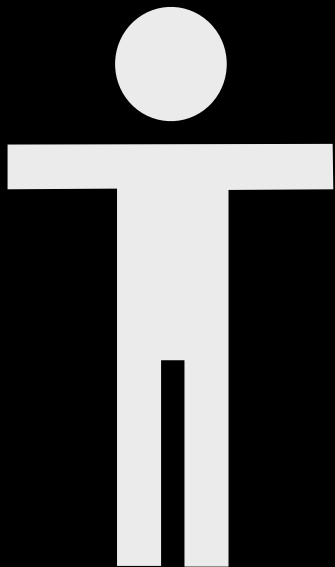
Vacuum, Surfaces  
and Coatings

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 \_

- Read CERN Safety Policy
- Record emergency number
- Meet First Aider + TSO

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  
Beam Transfer

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Medical  
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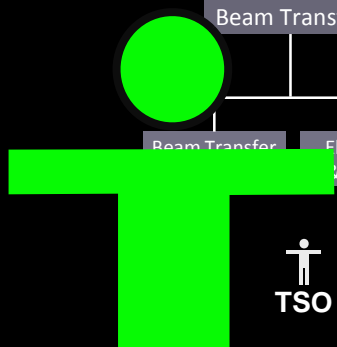
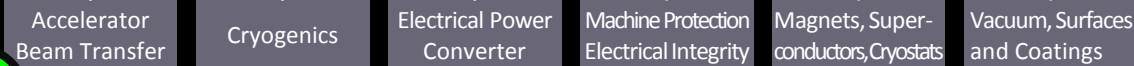


Accelerators &  
Technology

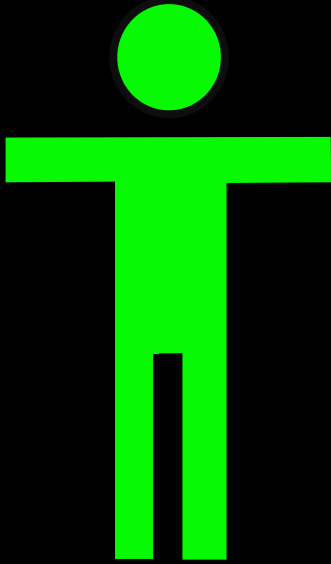
Finance &  
Human Resources

International  
Relations

Research &  
Computing







you

sir.cern.ch/sir/?p

# SIR - Safety Information Register

Main Menu

## WELCOME TO SIR

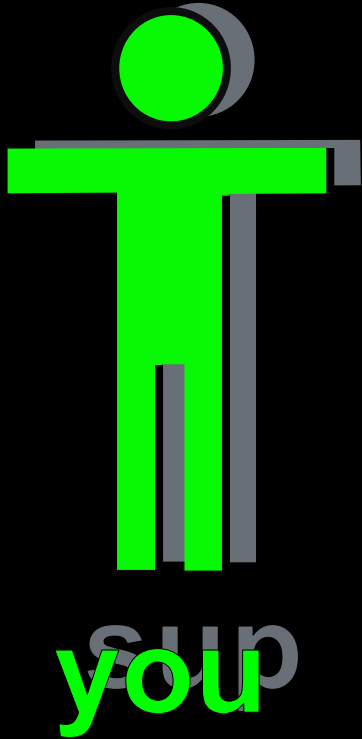
Please note that successfully passing a course does not give you any access rights in addition. You can control your access validity on [ADaMS](#).

Please pass your mouse over a course title to see a quick description of it. You can also find out which course is available for a pre-defined profile in the "Filter" list.

If you encounter problems when trying to follow an online course while using Google Chrome, go on <chrome://plugins/> and disable the Adobe Flash Player plugin.

Available courses and their current status	Course description	Your safety contacts	Your access authorizations
<input type="text" value="Basic courses"/>			
<input type="checkbox"/> <input type="button" value="Go"/> Computer Security <input checked="" type="checkbox"/>	Move the mouse cursor over course name on the left to find a quick description, target audience and goals of the course.	DSO (Dept HSE) <b>Gunnar LINDELL</b>	Click on the image above to check all your access rights on the ADaMS system.
<input type="checkbox"/> <input type="button" value="Go"/> Safety at CERN <input checked="" type="checkbox"/>		TSO (Bdg 24) <b>Andre DZIEWA</b>	
<input type="checkbox"/> <input type="button" value="Go"/> Electrical Safety - Awareness (New) <input checked="" type="checkbox"/>		First Aiders (Bdg 24) <b>Gael DUCOS</b>	
<input type="checkbox"/> <input type="button" value="Go"/> Radiation Protection - Awareness <input checked="" type="checkbox"/>		<b>Ana Sofia ALMEIDA PAIVA</b> <b>Diana Isabelle DALBAN</b>	
		RSO (Dept HSE) <b>Robert FROESCHL</b>	<b>News</b>
			<b>Help!?</b> If you need help contact <a href="mailto:safety-training@cern.ch">safety-training@cern.ch</a> <b>Adobe Flash Player Plugin</b> If you encounter problems when trying to follow an

Read CERN Safety Policy  
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 Meet First Aider + TSO  
 Do basic safety courses > SIR



Occupational Safety and Health (OSH) Declaration

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

CERN Accelerating science

EDH IDENTIFICATION

New Declaration Save Print Help

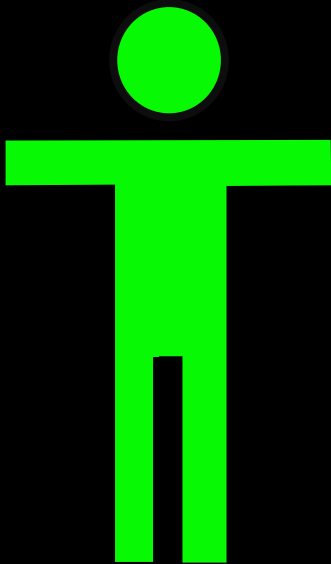
User Details Risks Declaration

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](#)

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- Record emergency number
- Meet First Aider + TSO
- Do basic safety courses > SIR
- Make Risk Declaration > EDH

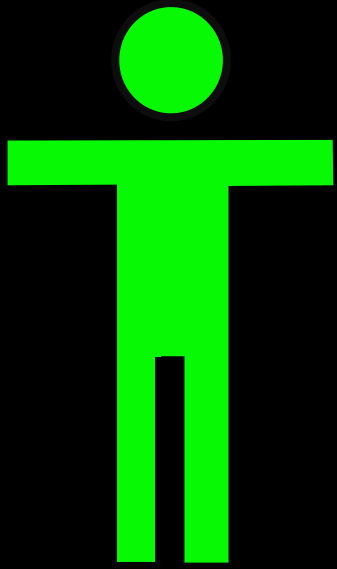


you

CERN		CODE DE SÉCURITÉ SAFETY CODE		A2 Rev. 3	
Mandatory as defined in SAPOCO/42		Edited by: Director-General		Date of issue: May 2005 Original: English	
<b>Reporting of Accidents and Near Misses</b>					
<b>Contents</b>					
1	Legal Basis			1	
2	Scope of Application			1	
3	Definitions			1	
4	Objectives			1	
5	Procedure			2	
6	Information Process			2	
7	Entry into Force			2	
	Appendix 1			3	
	Internal Accident Report				

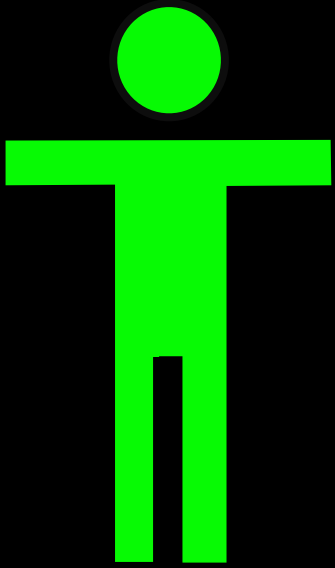
  

Abstract	Abstract	Abstract	Abstract	Abstract	Abstract
In acid	In acid	In acid	In acid	In acid	In acid
Guided	Guided	Guided	Guided	Guided	Guided
agents	agents	agents	agents	agents	agents
Works	Works	Works	Works	Works	Works
placing	placing	placing	placing	placing	placing
to store	to store	to store	to store	to store	to store
RES	RES	RES	RES	RES	RES
Referen	Referen	Referen	Referen	Referen	Referen
(1) Gene	(1) Gene	(1) Gene	(1) Gene	(1) Gene	(1) Gene
Further	Further	Further	Further	Further	Further
- Res	- Res	- Res	- Res	- Res	- Res
- pack	- pack	- pack	- pack	- pack	- pack
Reqs	Reqs	Reqs	Reqs	Reqs	Reqs
- EN 1	- EN 1	- EN 1	- EN 1	- EN 1	- EN 1
- EN 1	- EN 1	- EN 1	- EN 1	- EN 1	- EN 1
- Safe	- Safe	- Safe	- Safe	- Safe	- Safe
Referen	Referen	Referen	Referen	Referen	Referen
Prepar	Prepar	Prepar	Prepar	Prepar	Prepar
Verific	Verific	Verific	Verific	Verific	Verific
Approv	Approv	Approv	Approv	Approv	Approv
Distrib	Distrib	Distrib	Distrib	Distrib	Distrib
Rev. N	Rev. N	Rev. N	Rev. N	Rev. N	Rev. N
3.0	3.0	3.0	3.0	3.0	3.0
4.0	4.0	4.0	4.0	4.0	4.0
5.0	5.0	5.0	5.0	5.0	5.0
Publicat	Publicat	Publicat	Publicat	Publicat	Publicat
All CERN	All CERN	All CERN	All CERN	All CERN	All CERN
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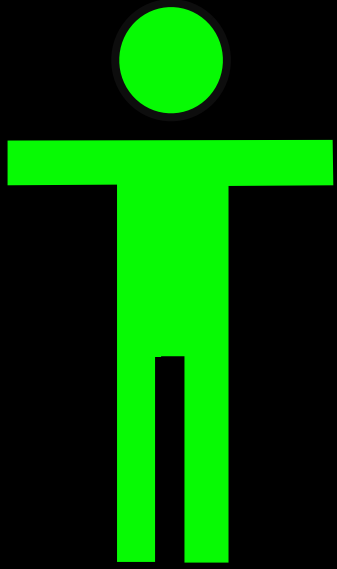


**you**



**Personal Protective Equipment**

*Equipement de Protection Individuelle*



you



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- Make Risk Declaration > EDH





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