Safety Report

Hazard Identification Process in Areas

Building {{building}}/{{room}} {{location}}

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| Prepared by:  {{creatorFormatted}} | Checked by: | Approved by: |

Distribution to:

CMS Safety, Activity Responsible, TSO.

**History of changes**

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# Contacts and Useful Links

* [CERN HSE](https://hse.cern/): Website
* [Contacts CMS Safety](https://cmssafety.web.cern.ch/who-are-we): group of CMS Safety referents
* [CMS RP](https://cmssafety.web.cern.ch/radiation-protection): CMS radiation protection information
* [CMS Safety Training and Access Requirements](https://cmssafety.web.cern.ch/training-and-access-requirements): all mandatory and recommended training.
* [CERN Learning Hub](https://lms.cern.ch/): for the catalogue and registration to available training courses
* [ADaMS](http://adams.web.cern.ch/adams/): for access requests
* [IMPACT](https://impact.cern.ch/impact/secure/): tool for the declaration of an activity
* [TREC](https://cmmsx.cern.ch/SSO/trec/): system for tracing potentially radioactive equipment
* [EDH SIT](https://edh.cern.ch/Document/SupplyChain/SIT): for Storage and/or internal transport requests
* [Cms-safety@cern.ch](mailto:Cms-safety@cern.ch): group of CMS Safety (TC, LEXGLIMOS, DLEXGLIMOS)
* [Cms-safety-team@cern.ch](mailto:Cms-safety-team@cern.ch): group of CMS Safety Team (LEXGLIMOS Office)
* [Cms-rso@cern.ch](mailto:Cms-rso@cern.ch): group of CMS Radiation Safety Officers (RSO, DRSO).

# Hazards definitions

*According to* [***ISO 45001***](https://www.iso.org/obp/ui/fr/#iso:std:iso:45001:ed-1:v1:en) *a hazard is defined as a source capable of causing injury and ill health. Hazards can include sources with the potential to cause harm or hazardous situations, or circumstances with the potential for exposure leading to injury and ill health.*

1. In the CHECK column of the table below, please check the hazards identified for the activity.
2. For each identified hazard, please refer to the identification sheet by simply clicking on the corresponding paragraph (column §).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **§** | **Hazard** | **Check** | **Definition** | **Ref.** |
| [4.1](#_Chimique) | Chemical |  | All hazardous situations involving chemicals (product whether marketed or not, of natural origin or manufactured, used or emitted in different forms (solid, powder, liquid, gas, dust, smoke, fog, particles, fibers, etc.)), in the conditions of use and/or exposure. | [Link HSE](https://hse.cern/content/chemical-risks-c) |
| [4.2](#_Mécanique) | Mechanical |  | All dangerous situations involving moving parts that can come into contact with a part of the human body and cause injury. These elements are often related to equipment or machines but can also relate to tools, parts, loads, projections of materials or fluids. | [Link HSE](https://hse.cern/content/mechanical-hazards-m) |
| [4.3](#_Rayonnements_non-ionisants) | Non-Ionising Radiation |  | A type of low-energy radiation that does not have enough energy to remove an electron (negative particle) from an atom or molecule. Non-ionizing radiation includes visible, infrared and ultraviolet light; microwave; radio waves; and radio frequency energy from cell phones. | [Link HSE](https://hse.cern/content/non-ionising-radiation-nir) |
| [4.4](#_Rayonnements_Ionisants) | Ionising Radiation |  | Ionizing radiation consists of charged particles (e.g. positive or negative electrons, protons or other heavy ions and/or uncharged particles (e.g. photons or neutrons) capable of causing process ionization primary or secondary Ionizing radiation can be direct and indirect. | [Link HSE](https://hse.cern/content/radiation-protection-rp) |
| [4.5](#_Incendie) | Fire |  | Set of dangerous situations involving elements that can trigger an uncontrolled fire, the main characteristic of which is to spread. | [Link HSE](https://hse.cern/content/fire-safety-fs) |
| [4.6](#_Électrique) | Electrical |  | All dangerous situations involving the risk of contact, direct or otherwise, with a bare live part, the risk of short circuits, and the risk of electric arcing. Its consequences are electrification, electrocution, fire, explosion ... | [Link HSE](https://hse.cern/content/electrical-hazards-el) |
| [4.7](#_Biologique) | Biological |  | All dangerous situations involving organisms or substances derived from an organism which represent a threat to health. This includes wastes, microorganisms, viruses or toxins. | [Link HSE (COVID-19)](https://hse.cern/content/official-documentation-cern-instructions-covid-19) |
| [4.8](#_Condition_de_travail) | Work Conditions |  | All dangerous situations concerning the entire working environment as well as ergonomics. | [Link HSE (Health)](https://hse.cern/content/safety-and-health-risks-sh)  [Link HSE (Worksite)](https://hse.cern/content/worksite-ws) |
| [4.9](#_Situation_d’urgence) | Emergency Preparedness |  | Set of dangerous situations involving all elements that may have an impact on the response to emergency situations | [Link HSE](https://hse.cern/content/accidents-and-incidents-management-aim) |
| [4.10](#_Autres_dangers) | Other hazards |  | Other hazards not indicated in this list | [Link HSE](https://hse.cern/content/safety-rules-domain) |
| [5](#_Protection_de_l’environnement) | Environmental Protection |  | Activity interacting or likely to interact with the environment (environment in which an organism operates, including air, water, soil, natural resources, flora, fauna, humans and their interrelationships) | [Link HSE](https://hse.cern/services-support/environmental-protection) |

# Your Area

## Activity Summary Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Title*** | *{{title}}* | | | |
| ***Personnel*** | Name of the activity responsible: | *{{responsiblePerson}}* | | |
| Estimated number of participants: | *{{participantCount}}* | | |
| ***Dates*** | Start date of the activity: | *{{startDate}}* | Estimated end date of the activity: | *{{endDate}}* |
| ***Location*** | Building number and specific zone: | {{building}}/{{location}} | | |
| Location details: | {{building}}/{{room}} | | |
| ***Support*** | CERN specific support (Group): | *{{cernSupport}}* | {{cmsSupport}} | *Enter the name of the CMS team supporting on the activity (i.e. CMS TC technicians, CMS electricians…)* |

|  |  |  |
| --- | --- | --- |
| ***Existing documents (EDMS, Indico, …)*** | Safety file: | *{{safetyDocuments}}* |
| Technical documents: | *{{technicalDocuments}}* |
| Other useful documents for understanding the activity: | *{{otherDocuments}}* |
| **Link with HSE (including HSE-RP)** | Support by HSE on an already existing subject of activity: | *{{hseSupport}}* |
| Reference documents (if any): | *{{referenceDocuments}}* |

## Description of the Activity

{{activityDescription}}

***For the Section below, please consider to have a look to this valuable HSE Guideline:*** [***https://edms.cern.ch/document/1114042***](https://edms.cern.ch/document/1114042)

***In there you can find for the hazards and have examples of causes of potential related hazardous events, hazardous events and consequences. Also, reference “preventing controls” and “protective controls” are listed.***

# Identification of the hazards for your activity

## 

|  |  |  |  |
| --- | --- | --- | --- |
| **Subject** | **Sign** | **Details (Commercial name, quantity, if liquid solid or gas, type of use)** | **Recommendations** |

# Annex: Pictures

Attached to EDMS Reference.