



European Organization for Nuclear Research
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To / A: Department Heads and Group Leaders of BE, EN, GS, HSE, IT, PH, and TE
Cc: DSOs of BE, EN, GS, HSE, IT and PH; A&T Director
Subject / Objet: Safety during LHC testing and commissioning

The installation and maintenance work of Long Shutdown 1 in the LHC is slowly approaching completion and it makes the way for cooling, testing and commissioning. Therefore, electrical and cryogenic lock-outs are starting to be removed in each sector, according to the schedule.

From now on, personnel working in the LHC may encounter at any location in the underground areas:

- Electrical systems under full power (high current and / or high voltage);
- Vacuum- or pressure systems under high pressure;
- Cryogenic systems at very low temperatures;
- Powered magnets and RF structures, generating EM fields.

At the same time, work will be progressing in adjacent areas. The coactivity of maintenance and repair with testing and commissioning causes hazards of which the workers must be made aware.

Every area, in which testing and commissioning are progressing, is:

- Fenced off with barriers;
- Marked with appropriate hazard identification signs;
- Name and telephone number of the person in charge of the tests are marked on the barrier.

Every worker who ignores such barriers and warning signs is bringing himself potentially in danger. Furthermore, this behaviour is considered a professional fault and will be sanctioned following the established rules.

An overview of the access restrictions in place is given in the weekly e-mails on access restrictions by EN-MEF-OSS and can be consulted on the [LHC-LS1 website](#), and on the Signal Information Panels (SIP) on top of the surface Access Devices (PAD).