

Bachelor project, HOD190  
Minutes from first meeting

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### **Abstract**

First (official) meeting with my contact person at HiB. The subject of the meeting was to discuss my work at CERN, daily tasks, and a brief plan of preparations needed.

## **Time & place of meeting**

Wednesday 26th of January, from 14:00 to 14:45 GMT+1. The meeting was held online, via Skype.

## **Present at the meeting**

- Joachim Tingvold. The student. Bergen University College.
- Hege Erdal. The advisor. Bergen University College.

## **Topic of the meeting**

- Info about external company
- The task(s) at external company
- Practical details (workplace, resources, etc)
- Tools to be brought/installed
- Preparatory measures needed

## **Brief summary**

The meeting was rather short, since a lot of the details already was in place due to my early arrival at CERN. We therefore chose to quickly summarize things; I started off by briefly explaining my role at CERN, and what my tasks are while working here. Since this is the first, somewhat long shutdown of the LHC in a while, it gives a great opportunity to do drastic changes in the cluster. My work will consist of redoing the physical and logical network, and services directly related to this. The focus of my bachelor thesis will be about this subject.

## **The company, tasks, etc**

I'll be working at/with the HLT-cluster, which is a part of the ALICE-experiment at CERN. My main task is to restructure the network for the entire cluster, both logically and physically. Services closely related to these changes, is also my responsibility (that is, DNS, DHCP, gateways, etc). The initial goal is to be done by 1st of February, since the original date on which the LHC was to be re-commissioned, was «middle of February». Since a lot of these tasks cannot be done «remotely», a lot of my work time will happen at «Point 2», located in Saint-Genis-Pouilly, just over the border into France. After the initial work is done, most of the work can be done from «mainsite», located on the border between Switzerland and France.

## **Tools to be brought,/installed**

The details regarding what was needed, and what I had to work with, was something I didn't know before-hand. This was information I had to gather on-the-fly while down here, and since it was basically impossible to have a complete overview from the start, things had to be done as they were discovered. One of the things I did, was to physically move the switches from one central location, and spread them out into the racks. While doing some tests to see how long it would take, I discovered that the switches had a special power-plug, and hence we needed to order these special power-cables before we could actually move them.

## **Preparatory measures**

Nothing specific came to our mind.