Portable Computer Registration

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What is the Problem?

- Past & Recent incidents with devices connected to portable outlets or wireless
  - Security
  - Network safety
- By essence, versatile “connections”
  - Hard to track down to a particular plug
  - Almost impossible on Wireless connection
- **Need to put a name behind a computer to inform and help in case of problem**
Registration Enforced

- All devices using Sockets for Portables (PB) or Wireless will have to be registered to get access to the Network
  - Register all the interface cards potentially used
  - Filtering on Hardware Addresses
  - The DHCP servers will only reply to registered systems
How do I register?

• You have a CERN account on NICE/Mail
  • New: [http://cern.ch/register](http://cern.ch/register); New Portable
  • Update: [http://cern.ch/register](http://cern.ch/register); Update Information
  • If outside CERN, use VPN to access these services
• You do not have such an account, but you are a member of CERN personnel, associate, student, “user” etc
  • … Ask for a NICE/Mail account
  • And follow the same procedure

• Registration is activated within 10 minutes
You invite a person at CERN...

- You invite a person at CERN for a short visit, and he wants to connect his computer to the CERN network infrastructure.
- New procedure in place for a visitor to register his portable (from home or at CERN)
  - [http://cern.ch/registerVisitorComputer](http://cern.ch/registerVisitorComputer)
- The visitor provides
  - Visitor Information: name, first name, company/institute, email, phone (mobile if possible)
  - Responsible at CERN: name, first name, (division and group required in case of duplicate)
  - Start date and duration: 1, 2, 3 or 4 weeks
  - Reason for the visit
  - Interface card(s): type(s) and hardware address(es)
1. External visitor registers his portable from home using a web interface
2. Responsible person at CERN receives an e-mail; connects to CS WEB server (NICE login) where he can reject or accept by signing a web form (like EDH)
3. The database registers the visitor portable for a limited period of time (max 4 weeks): VISITOR-XXXXXXX
What If I do not register?

- Your access to the network is blocked
- Opening a WEB browser will automatically connect you to the registration service
- Follow the instructions
- Registration activated almost immediately

Access to the CERN Network Infrastructure

Your computer or the interface card you are using is not properly registered.

Only correctly registered devices can access the CERN network infrastructure. Please select one of the links below to start the registration process.

When the registration process is complete, you will have to reboot your computer.

- I have a CERN computing account (for CERN personnel, fellows, CERN "users", etc.)
  - You will need a CERN nice or Mail login/password to register

- I do not have a CERN computing account (Short term visitor from an external company, etc.)
  - Your registration will have to be approved by your CERN contact person (indicated on your CERN access card)

Until the registration process is complete, you will not be able to access any resource at CERN nor outside.
When will this happen?

- The Complete system is ready
- Pilot Hardware Address enforcement for buildings 31&513
- Adapt procedures if required
- Full Deployment (by the end of this year)