

Bonjour,

Voici une description complète des actions en CCC/CCR organisées par IT/CS en collaboration avec BE/CO.

Nous serons sur place pour coordonner ces activités.

Cordialement,

Pierre

Begin forwarded message:

Dear Colleagues,

On Wednesday 27th of July 2011 the CCC/CCR network router overloaded while a new network service was being created for the PS Access System Video (see the mail below for a more complete description).

To work around this problem I announced in the FOM (<https://espace.cern.ch/be-dep/FOM/default.aspx>) of the 2nd of August that a new Router would be installed in Building 874 to take over Services IP1 (PS Access Video) and IP50 (Beam Cameras, Vistars, Wall Screens and upper fixed display consoles).

I propose the following dates and times for the installation based on the Injector Schedule at https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/injector_schedule.pdf :

- Before the 29th of August, installation of the new Router and attaching it to the CERN Technet Backbone
- 10:30 Monday 29th of August, while the Injectors are still running a Machine Development, move of Service IP1 (PS Access Video) from the current CCC/CCR router to the new router
- 09:00 Tuesday 30th of August, with all Injectors and LHC off, move of Service IP50 to the new CCC/CCR router

My understanding is that none of the machines on the two network services will need their IP addresses changed and that the interruption will be short (seconds or <2 minutes). If IT/CS think that it will take more than 5 minutes then there is the risk that the original CCC/CCR router becomes overloaded due to the router bug being provoked. They can "black hole" the IP addresses of CS-CCR-TIMPS1 on the Monday and CS-CCR-VIDEO1 on the Tuesday if needed. Also on the Monday Frederic Havart could be asked to switch off the 20 TIMVVENCODER-001 to TIMVVENCODER-030 door video encoders in Building 354 during the transfer. This is more difficult to arrange on Tuesday for the equivalent 40 CCV-%-NKFENC% beam camera video encoders as they are mainly underground all round the LHC.

Once the IP1 and IP50 services are on the new router IT/CS may be interested in testing the effect of either CS-CCR-TIMPS1 or CS-CCR-VIDEO1 being unavailable. The same overloading effect will tend to occur although as the new router has less to do it should be less noticeable.

As the definitive bug fix from HP for the routers may take many months to arrive I have discussed in BE/CO/IN and GS/ASE and we are technically able to use multicast streams from the Video encoders instead of the damaging unicast streams if IT/CS would enable multicast routing and IGMP snooping from Building 354 and the LHC network services towards IP1 and IP50.

Please note that I am on holiday from the evening of Friday 12th of August and will be back on the morning of Monday 29th of August. Enzo Genuardi can be contacted in my absence.

Alastair Bland, BE/CO.