

RE4 Tentative Schedule and milestones

Bakelite

Order immediately 5 panels with low resistivity (stable in window after 2 months with weekly measurements). Second order could be 40-50 panels to produce the first real production gaps if resistivity is OK. End of February 2011 bakelite first order (60 panels).

60 panels are 30 chamber equivalent, gaps will be ready by end of april and their measurement done by june. Order of additional 540 bakelite panels by end of june 2011 and production finish by end of july 2011. This will be done in 3 batch by 180 each (half of june, beginning of july and half of july).

Gaps

Gaps for 30 chambers available end of april 2011 (10 in India, 10 in Belgium, 10 CERN) to make chambers in assembly sites. Second gap delivery can start by the end of August 2011 and last 13 months till end of sept 2012. If we go for 2 gap providers we will have production time in 6 months till feb 2012.

Chambers

Every assembly site has assembly speed of 3 chamber/week (at peak 5 ch/week), we propose starting 50,50,50 and then CERN going on with last additional 50 . this means we will have 17 weeks (4 months) to produce 150 chambers (jan 2012). Last 50 will be produced at CERN in additional 4 months (same speed single site). End of chamber assembly may 2012.

Mechanics

Frame, honeycomb, strips, mylar and copper sheet are from china (2 month delivery time). Order in january. Missing patch panel, L pieces, ferules (from China), gas union, gas pipes, cooling pipes, cooling union, copper plates. Check possibility of 3 different delivery sites (CERN, India and Belgium) or CERN only for tax reasons.

Cooling test

We give time for tests up to end of February and discussion in march and order of material to be available in chamber assembly sites by end of april. For any more complex cooling option the test time slot is up to end of January. This could affect the mechanics and to secure the delivery time of 2 months we have to place the order in February.

Electronics and FEBs

First FEBs for 30 chambers should be ready in assembly sites by end of march 2011. Rest should be ready by end of august 2011. **So the order for FEBs should be ordered today.** Connectors for HV, coax cable, connector for FEB, LV distribution board (from Italy),