1. Feedback & Actions

1.1. The OsC congratulated CMS-UK on what to date has been exceptional progress across the breadth of the project. This was particularly evident in that the L1 Trigger had achieved everything that was required of it, and indeed surpassed those requirements. That this complex trigger system has not contributed to experiment down-time is testament to the ingenuity and expertise of the UK collaboration. The OsC looked forward to the completion of the R&D effort within the framework of further developing understanding of the L-1 Trigger and its functionality within CMS. The OsC looked forward also to a more focussed forward-plan for WP3 at the next meeting.

1.2. The OsC was grateful for the personnel table, or ‘staffing snapshot’, across all WPs and saw it as a valuable tool in order not only to help identify effort allocation but, in the future, to allow the tracing of ERC and STFC project funding in WP4. The OsC suggested that a further ‘staffing snapshot’ request at a later meeting would be appropriate when next it was considered to be useful.

1.3. The OsC were surprised and concerned that, despite the manifest success demonstrated by the CMS UK group in meeting all specifications required and furthermore the independent ratification of this success by an external review committee, CMS still had not made a decision concerning the selection of a final design for the L1 Track Finder.

1.3.1. With CMS TDRs due in 2017 [and the L1 Track Finder TDR due 2019-22, with an interim document due in 2017], the OsC would be astonished if CMS did not at this stage proceed with the UK group’s choice. In particular, the OsC can in no way endorse the preparation and submission to the LHCC of the interim document which is expected in 2017 for L1 Track Trigger without a choice having been made.

1.3.2. Following the discussion with the UK CMS group, the OsC is ready and willing to assist in any way it is asked by STFC and the group to facilitate a rapid and timely decision on L1 Track Finder technology choice. In the meantime it notes that the matter may be raised at the CERN CMS RRB.

**ACTION:** CMS UK to communicate the above concern of STFC (and the OsC) to the CMS management. If still appropriate at the time, STFC and CMS UK should consider raising concerns about the circumstances of the status of the L1 Track Finder to the next CERN CMS RRB.

1.4. The OsC accepted that there was the likelihood of some ongoing delays to CBC4 production within WP2 and looked forward to the outcome; confident in the reassurance offered by CMS-UK that any delays were expected to be minimal.
1.4.1. CMS-UK requested that £140k be used from the unused £386k WA in order to fund the effort at RAL TD which is required to sustain the achievement of the engineering goals of CBC4 completion. The OsC understood the request and agreed to it in principle, leaving the office and CMS UK to work out the details. In the meantime and if necessary before the next OsC meeting, further input from the OsC can be solicited if there remain any doubts or concerns about details of the nature of this use of the WA.

**ACTION:** CMS-UK and STFC are to communicate accordingly regarding the effective administration of the proposed transfer of project funds.

1.5. The OsC confirmed that the project continued to be within its forecast budget.

1.6. STFC will confirm the date of the next meeting.