

## **Service Challenge 4 - Ramping up to full nominal data rates**

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A key challenge of the LCG Service Challenge 4 (SC4) is to ramp up Tier0-Tier1 data export rates to the full nominal values that each Tier1 centre must support for prolonged periods (weeks) during the LHC operation. In addition, Tier1-Tier1 and Tier1-Tier2 transfers needed to be identified and tested. This is prior to validation of the experiment computing models and their offline frameworks, as part of which transfers will be driven under realistic conditions by the experiments directly.

This talk describes the status and achievements of the latest disk-disk and disk-tape transfers performed during April 2006, together with remaining challenges and issues for the rest of the Service Challenge programme.