

Secretary of State for Transport  
Great Minster House  
33 Horseferry Road  
London SW1P 4DR  
Attention: Director-General, Rail Group

Transport for London  
Windsor House  
42 – 50 Victoria Street  
London SW1H 0TL  
Attention: General Counsel

### **Crossrail Project Development Agreement (“PDA”) - Adverse Event Notice**

In accordance with clause 22 of the PDA, we write to notify you of the following Adverse Event:

- Uncertainty of the timely development of on-board signalling and train control management software by Bombardier Transportation UK Ltd (BTUK) under the Rolling Stock and Depot Service Provision agreement between BTUK and Rail for London Ltd (RfL) dated 18 February 2014

As raised at the Sponsor Board meeting on 23 June 2017, it has recently emerged that there are significant concerns over the capability of BTUK to develop the further releases of the CBTC, ETCS and TCMS software in time to meet the current programme for the Opening Strategy, as affirmed by Sponsors in December 2014, and in particular the dates notified to Sponsors for future Stage commencement of passenger services.

CRL and RfL are working collaboratively:

- (a) to ascertain the causes of this loss of confidence in BTUK's capability
- (b) to identify any available mitigating action to improve such capability
- (c) to assess the potential impact of delays in delivery of the required software for Stages 2-5
- (d) to develop a range of scenarios to mitigate the impact of any such delays including consideration of potentially re-sequencing and/or re-scheduling the Stage opening dates, and
- (e) to assess the potential contractual and cost implications for both CRL and RfL.

The initial output of these deliberations will be presented to the CRL Board on 20 July at which time a decision will be taken whether to develop and submit to Sponsors a Remedial Action Plan in accordance with the PDA.

**Crossrail Limited**

**7 July 2017**