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# Group Digital Railway

Group Digital Railway (GDR) comprises three business units delivering information to keep the railway running today, whilst working with Routes and industry partners to introduce new technology and digital solutions that increase our ability to support financially sustainable growth of rail services for passengers and, hence, the UK economy.

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## Digital Railway Programme

The Digital Railway Programme (DRP) supports the rail industry and Network Rail's Routes and national functions in tackling the three fundamental problems: providing greater capacity, improving service reliability and reducing signalling system renewal costs. The focus for Control Period (CP) 6 will be on supporting Routes in their improvements to train performance through safely, effectively and efficiently deploying traffic management systems - including Connected Driver Advisory Systems (CDAS) - and delivering the European Train Control System (ETCS) to realise the benefits of these digital technologies as swiftly as possible.

While the CP6 settlement will fund the DRP, it does not provide for any digital scheme's complete costs. We are working with the Routes to develop business cases for enhancement funding from DfT and to explore alternative financing options.

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## Asset Information Services

In CP6, Asset Information Services (AIS) will provide the Routes with the data and information needed to achieve reductions in operational and capital costs to allow them to make informed decisions about the most appropriate interventions for their assets – from safety risk to lifespan.

In CP6 AIS will be focussing on:

Obtaining infrastructure information from service trains, reducing the need for a dedicated infrastructure condition monitoring fleet;

Creating economies of scale by extending AIS's management of data to all asset and operational data and information that has a defined value to the customer;

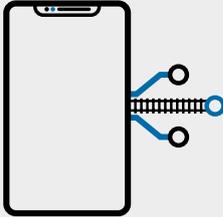
Developing the data management and analysis services we offer to the Routes and the wider rail community to enable the more efficient operation of the railway asset base;

Increasing the cost efficiency, resiliency and sustainability of our systems and services, thereby reducing risk to the business.

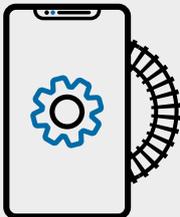
# Network Rail Telecom

Network Rail Telecom (NRT) provides the rail industry with a national telecommunications capability that enables the safe, reliable and efficient operation of the GB railway.

In CP6, for the benefit of route and rail industry customers, passengers and lineside neighbours, NRT will invest £1.2bn on:



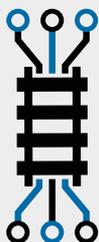
Continuing to provide both operational and corporate telecoms capability;



Driving continuous improvement to operational telecoms performance, platform(s); availability, the resilience and robustness of core operational services, and the design and delivery of service-based outcomes, in addition to individual asset performance;



Migrating from legacy voice and data infrastructure and technology, towards a single next generation highly available and secure fixed and wireless network to serve the railway;



Supporting digital railway ETCS infrastructure schemes with its fixed transmission network (FTN) and GSM-R network;



Supporting funded activity to improve passenger connectivity.