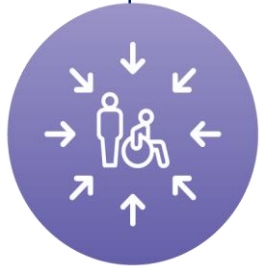


Rail Technical Strategy

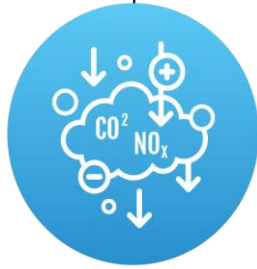
Innovating across Britain's railway

FUNCTIONAL PRIORITIES



EASY TO USE FOR ALL

Rail will deliver an excellent travel experience to regular and occasional passengers thanks to dependable real-time information, innovative payment methods, and improved solutions for accessibility.



LOW EMISSIONS

Carbon and air emissions will be minimised by cheaper and less disruptive electrification, zero-carbon diesel replacement, greater efficiency and removing emissions at source.



OPTIMISED TRAIN OPERATIONS

Train services will be reliable and the capacity of the network improved by real-time management, better train planning and simulation, and shorter headways together with new solutions at nodes.



RELIABLE AND EASY TO MAINTAIN

Reliability and availability will be maximised by design, remote and automatic inspection, and targeted interventions, while whole-life cost is reduced.



DATA DRIVEN

Data, recognised as a highly valuable asset, has fit for purpose governance, access arrangements, systems and technical skills. These building blocks underpin the progression of all the other functional priorities which each have their own specific data requirements and opportunities.

DESIRED OUTCOMES



HAPPY CUSTOMERS

The mode of choice for passengers and freight



A VIBRANT SECTOR

A railway that attracts investment and talent



STRONGER SOCIETY AND ECONOMY

An accessible and affordable mode that supports the UK economy



BETTER ENVIRONMENT

Sustainable operations with a positive environmental impact

CRITICAL ENABLERS



BUSINESS DRIVEN INNOVATION

Collaborative research & innovation pulled by industry that leverages academic and supply chain expertise

RAPID BENEFIT REALISATION

Streamlined, reliable and timely deployment of novel solutions driven by sound long-term planning

DIGITALLY TALENTED WORKFORCE

A highly technologically literate and diverse workforce across the industry that advocates and embraces digital solutions

For more information on the Rail Technical Strategy, visit:

www.RailTechnicalStrategy.co.uk