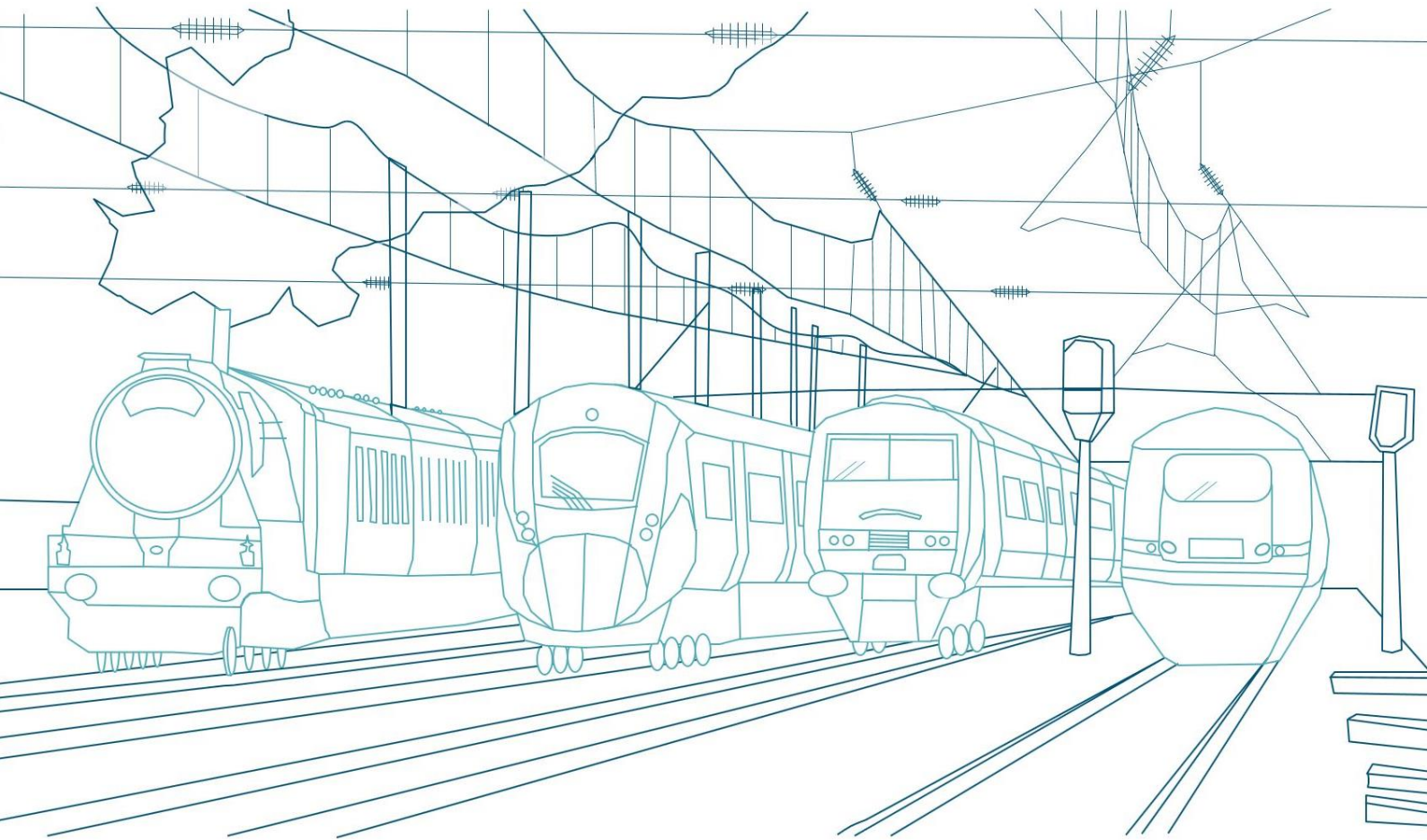


# INDUSTRY TIMETABLE TECHNICAL STRATEGY – SUMMARY



For more information or for a copy of the full strategy, please contact: [ITTS@networkrail.co.uk](mailto:ITTS@networkrail.co.uk)



## EXECUTIVE SUMMARY

**This strategy sets out how the industry will get more out of technology to produce timetables that continue to deliver passenger and freight customers' expectations.**

The amount of changes now being made as a result of investment in infrastructure, rolling stock and new services can create challenges – highlighted by the disruption caused in May 2018.

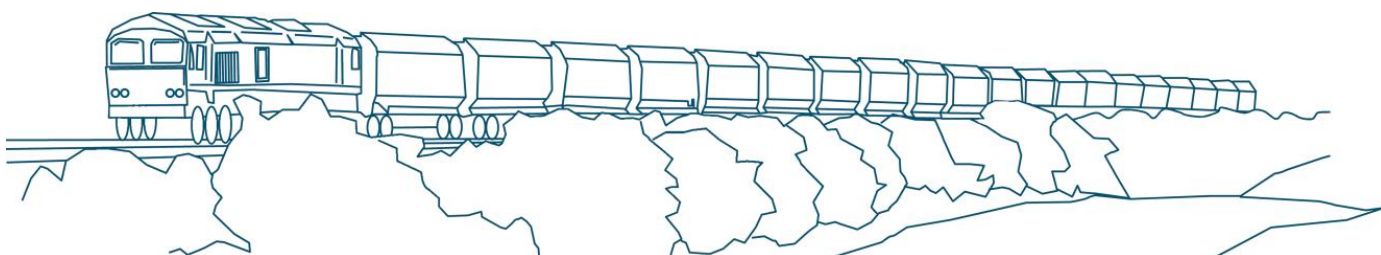
Despite the complexity of producing timetables on an increasingly congested network, the industry still largely uses unintegrated technology that requires high levels of manual intervention. Although there has been progress in technology used by the industry since privatisation, these developments have not been coordinated across the industry as part of an integrated system. This means timetable production is often slow and published timetables contain conflicts that can affect train performance.

Over the last 10 months the industry has responded to the COVID-19 crisis by making four major timetable changes, re-planned the December 2020 timetable and seen a significant increase in short term/weekly timetable changes. These changes have been successfully achieved by the industry with the existing technology, nevertheless, it's clear that more integrated and intelligent technology will support the industry to quickly and accurately deliver significant timetable change, as well as manage risks that may arise during the process with greater success.

Over the last year System Operator has worked closely with colleagues across the industry to develop this strategy. Considerable benchmarking, analysis and formal industry-wide consultation has contributed towards the strategy's development, which aims to improve timetable technology for the whole railway. The strategy will facilitate faster and more flexible timetable development, enabling better performing, more responsive and efficient timetables.

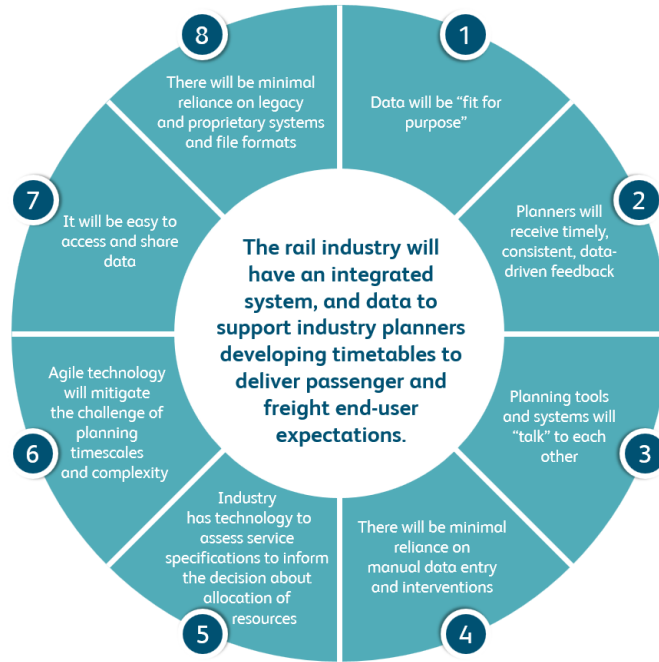
Several new strategic priorities have been identified, including the utilisation of current technologies through to introducing automated conflict detection functionality. An important long-term strategic priority is the transition to the target end state – an integrated set of compatible planning applications and processes (the integrated system). This represents a major change in direction for the industry.

Implementation will require significant effort and commitment by the whole industry and interventions set out in the strategy will be subject to business case review before intervention. Change cannot be delivered without ongoing collaboration and transparent cooperation – an industry timetable portfolio board has been established to provide pan-industry leadership of this major change.



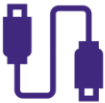


## VISION

Our vision sets out the end-state the industry will work together to achieve;



## STRATEGIC THEMES AND PRIORITIES

Some of the priorities included in the strategy are already being developed by existing programmes that are funded and resourced to the end of CP6. For the other priorities, new initiatives will need to be set up, subject to each business case. A number of the large interventions proposed will span CP6/CP7 in their delivery.

			
<p><b>Technology</b></p> <p>The technology priorities are the core deliverables of this strategy and will ensure that planners have the right tools and interfaces to deliver high performing timetables.</p>	<p><b>Data</b></p> <p>It is vital that the industry creates a culture where data is valued as an important asset. The data priorities have been developed with the needs of the planning community in mind and against quality data standard guidance.</p>	<p><b>Governance</b></p> <p>This strategy needs credible ownership, guidance and funding to deliver its vision and outcomes. This is best provided by a pan-industry group of experts and practitioners who understand the timetable technology needs of the industry.</p>	<p><b>People</b></p> <p>This strategy will provide technology that makes it easier for the people delivering the railway to do their jobs. The strategy will enable people to define technology that complements their skills, adds value and supports them.</p>