Digital Traffic Regulation Orders (D-TRO) Glossary

Term	Definition
Agile Beta	D-TRO is being delivered under Agile Beta principles. An Agile Beta is a phase in the software development process where a product, typically a software application, is released to a select group of users outside the development team for testing and feedback. This phase is conducted within the framework of Agile methodologies, which emphasise iterative development, flexibility, and collaboration. Here's a breakdown of the key elements of an Agile Beta: • Iterative Development: In Agile, development happens in small, iterative cycles (sprints), where features are continuously designed, developed, and tested. An Agile Beta might be conducted after several sprints, where enough functionality has been built to be useful to real users. • Early and Frequent Feedback: The Agile Beta aims to gather feedback from real users early in the development process. This feedback is crucial for identifying bugs, usability issues, and areas for improvement before the final release. • User Involvement: Unlike traditional beta testing, which might occur near the end of the development cycle, an Agile Beta can happen earlier and might involve multiple rounds of testing. Users involved in an Agile Beta are typically more engaged and provide ongoing feedback throughout the development process. • Flexibility and Adaptation: Feedback from the Agile Beta is used to make quick adjustments and improvements. This flexibility allows the development team to adapt the product based on real user needs and issues identified during the beta testing. • Continuous Integration and Deployment: In an Agile environment, code changes are frequently integrated and deployed. An Agile Beta benefits from these practices, ensuring that the product being tested is always up to date with the latest improvements and fixes. In summary, an Agile Beta is a practical implementation of the Agile principle of incorporating user feedback into the development process, ensuring that the product meets user needs and is of high quality before a broader release.
API	An API, or Application Programming Interface, is a set of rules, protocols, and tools that allows different software applications to communicate and interact with each other. APIs define the methods and data formats that applications can use to request and exchange information. In simpler terms, an API is a messenger that delivers your request to the system you're interacting with and then delivers the response back to you. It enables different software systems to work together seamlessly, enabling developers to leverage functionalities or data from one system in another without having to understand the inner workings of each system.
Data Model	Forms part of the Data Specification

Term	Definition
Data Specification	The Data Specification contains guidance on all the technical elements that are required to access the D-TRO service, and guidance on conformance with the D-TRO data model, including the validation rules that are applied.
DSP	Digital Solution Provider, a company that provides services for the creation and publishing of digital TROs.
D-TRO	The Digital Traffic Regulation Orders service, a central repository which allows TROs to be published to and extracted from it via an API.
D-TRO Working Group	The D-TRO Working Group is managed through the Transport Technology Forum and is a cross-sector group that is open to all those interested in the development of the DTROs including TRAs and DSPs.
GitHub	GitHub is a GitHub is a web-based platform used for version control and collaboration on software projects. It allows developers to host their code repositories, track changes to their codebase, and manage collaborative development workflows. Access to the D-TRO Private External GitHub repository is by invitation only. Please email dtro@dft.gov.uk if you would like to join. The code for the D-TRO system is held in a public external repository on PA Consulting's GitHub. This repository will be transitioned to the DfT GitHub estate in time for the launch of Private Beta.
LA	Local Authority
MVP	In Agile terminology, a Minimum Viable Product (MVP) is the most pared-down version of a product that is still functional and capable of delivering value to users. The concept of MVP is central to Agile methodologies, and focuses on the following key aspects: • Functionality: The MVP contains the core features that address the primary problem or need of the target users. It is not just a prototype but a working product that can be deployed. • User Feedback: By releasing an MVP, teams can gather real-world feedback from actual users. This feedback is crucial for understanding user needs, validating assumptions, and making informed decisions about further development. • Rapid Iteration: The MVP allows teams to quickly iterate on the product based on user feedback. This iterative process helps in refining and improving the product incrementally. • Minimising Waste: By focusing on building only the essential features, the MVP approach reduces time and resources spent on developing features that may not be valuable to users. • Risk Reduction: Launching an MVP helps to test the market viability of the product idea with minimal investment, thus reducing the risk of building a product that might fail. In summary, the MVP is a strategic tool in Agile development that facilitates early market entry, user-centred design, and efficient use of resources, all while allowing for continuous improvement based on real user interactions.

Term	Definition
TRA	Traffic Regulation Authority, an authority with the power to make Traffic Regulation Orders (TROs)
TRO	Traffic Regulation Order, legal documents made by TRAs that govern the rules of the road.
TTF	The Transport Technology Forum brings together local and national government, the supply chain and academia to deliver innovative and sustainable transport solutions. The Forum provides a dynamic space where road operators and their suppliers can exchange information and agree to work more collaboratively to achieve a more cohesive approach. The Forum encourages the adoption of new ways of thinking and innovative technical solutions for the improvement of traffic flow through better network operation and management. This in turn will deliver significant economic, social and business benefit to the UK. The Forum also aims to ensure that its stakeholders gain and maintain a fair share of voice with policymakers.
TTRO	Temporary Traffic Regulation Order
TTMO	Temporary Traffic Management Order (a local variant of a TTRO)