

Tim Rivett Consulting

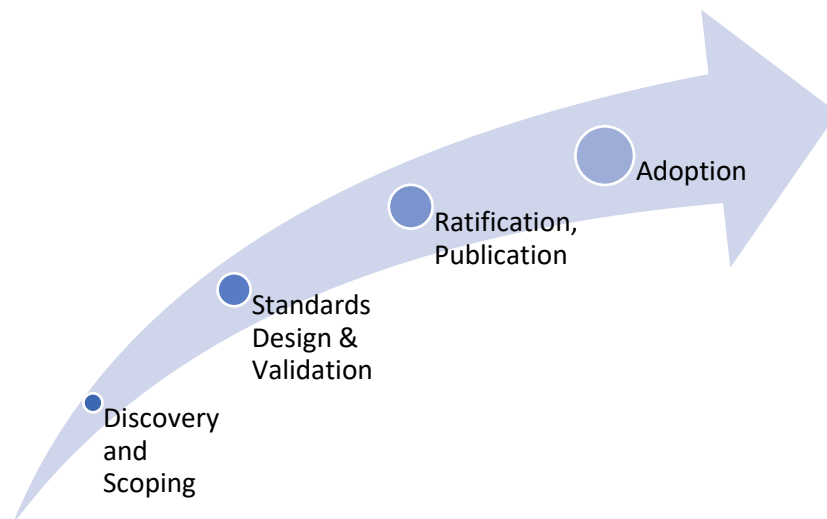
Public Transport Data Standards

Purpose: To enable public sector organisations to define, govern and maintain consistent, interoperable public transport data standards and related artefacts (schemas, code lists, profiles and guidance) that support reliable data exchange, open data publication and downstream service delivery.

Overview: A Data Standards process is critical to ensure data is accurate, consistent and reusable across systems and suppliers. It aligns technical specifications with real user needs (operators, authorities, integrators and passengers), reduces duplication, and underpins cost-effective digital services and analytics. Our approach establishes clear governance, transparent decision-making and practical adoption support so standards are usable, testable and maintained over time.

Approach: We use a proven three-stage approach for defining and maintaining public transport data standards, with engagement scope and depth agreed in advance.

1. Discovery & Scoping
2. Standards Design & Validation
3. Ratification, Publication & Adoption



1. The first stage is **Discovery & Scoping**. We understand the policy, regulatory and operational drivers for new or updated standards and define the problem space. Activities typically include: stakeholder mapping; interviews and workshops; review of existing standards and data assets; assessment of current data quality, exchange mechanisms and contracts; and identifying user needs and adoption barriers. We capture scope, success criteria, dependencies and initial governance model. Where helpful, we produce an options assessment (e.g. extend existing standard vs. new standards vs. create a profile) and an initial roadmap.

2. The second stage is **Standards Design & Validation**. We design the target data

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specifications and artefacts. This may include: conceptual and logical data models; machine-readable schemas (e.g. JSON Schema, XML Schema), profiles of existing standards; code lists and reference data; mapping guidance from legacy formats; and conformance rules/test cases. We iterate drafts through collaborative working groups and open consultation, and evidence impacts on suppliers and publishers.

3. The third stage is **Ratification, Publication & Adoption**. We socialise the draft for approval through the agreed paths, finalise versioning and release policy, and publish clear human- and machine-readable documentation. We can define conformance and assurance processes, implementation guidance, change control, and a backlog for future enhancements. We also prepare an adoption plan (communications, training, industry engagement, reference implementations and migration support) and a living roadmap for ongoing maintenance.

A menu of professional expert support: The balance of skills needed for each assignment is matched to the customer's requirements and typically includes: data modelling and architecture; transport domain expertise; standards engineering and profiling; assurance and test design; technical authoring and documentation; open data publication; data quality and governance; procurement and supplier engagement; and strategy delivery.

A proven track record: The staff at Tim Rivett Consulting Ltd have worked on standards, data and interoperability initiatives across public and private sectors in public transport. We understand what works and how to deliver pragmatic, cost-effective public transport data standards, programmes and projects.

Information Assurance: Standards definition engagements can be delivered for services of any classification. Sensitive data access and disclosure risks are assessed during Discovery and controlled through agreed governance and handling procedures.

Pricing: This service is priced based on anticipated resource requirement. Resources will be charged in accordance with the agreed SFIA day rates. Two pricing options are available:

Firm price. The firm price will be based on the anticipated resource requirements including provision for risk. Provision for travel and subsistence cost will be made. Payment will be required against achievement of agreed milestones. Details will be specified in a price quotation provided and agreed before service commencement.

Limited liability. The limit of liability will be agreed based on an anticipated resource requirement. Charges will then be made monthly in arrears against resource effort expended. A limit of liability will also be agreed to cover travel and subsistence. Travel and subsistence costs will be charged at cost monthly in arrears against cost incurred.

On-boarding/off-boarding: For all assignments we operate our standard on-boarding / mobilisation activities. At assignment closure, we undertake a review and ensure that skills have been transferred to client staff where appropriate, including handover of standards artefacts, governance materials and tooling.

Ordering and invoicing process: Specific details of the requirement should be sent to info@timrivett.co.uk. Following discussions about your requirement Tim Rivett Consulting Ltd will send a fully priced proposal detailing the services to be provided.

Consumer responsibilities: To liaise with the Tim Rivett Consulting Ltd lead consultant and ensure access to existing information, datasets, sample data, key stakeholders and subject-matter experts (including operators, system vendors and data consumers).