

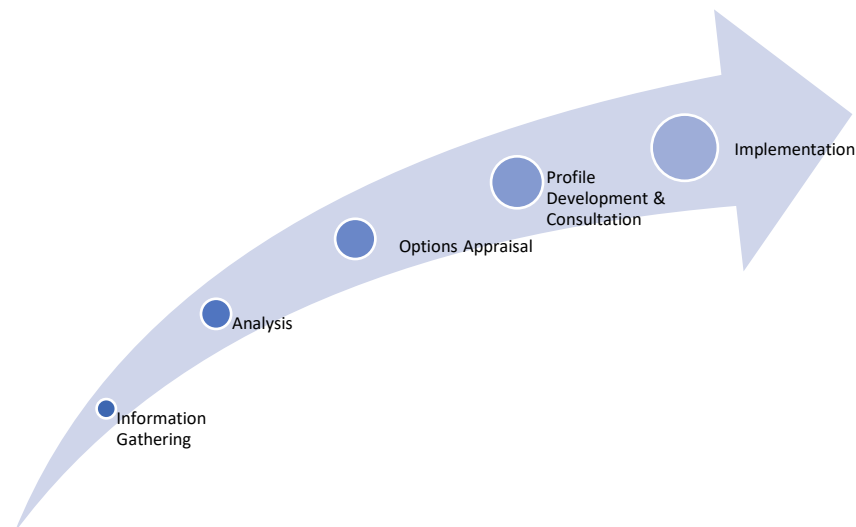
Tim Rivett Consulting

Public Transport Data Standards

Purpose: To enable public sector organisations to understand and use data standards to ensure interoperability between systems and suppliers.

Overview: The use of data standards is critical in a move from legacy systems to cloud based systems involving multiple data providers and consumers. This has become significantly more important with the introduction of the English Bus Open Data Service, the Welsh Bus Data Service and the forthcoming Scottish service. Understanding the service requirement and data format options available requires increasingly specialist and scarce skills to ensure a successful outcome. Tim Rivett Consulting has the expertise with many years of experience in its team on the development of international standards and local profiles and importantly the practical application.

Approach: We use a proven five stage approach for our data standards engagements, though the size and scope of the engagement will be agreed in advance before work commences.



1. The first stage is **Information Gathering**. At this stage we seek to understand the requirements of the organisation and of the stakeholders for the proposed systems and the position from which the organisation is starting. Typically we gather information using interviews and workshops, reviews of business objectives / strategies, organisational structure and financial information and engaging with the organisation's public transport team and stakeholders as well as any existing suppliers to understand the current landscape. This typically includes user engagement and consultation to understand user characteristics, the services they require and how they want to access them.
2. The second stage is **Analysis**. We analyse the information gathered during information gathering and identify options that meet the organisation's strategic business objectives and the wider needs of the users and stakeholders while providing flexibility, agility and value for money. These may involve changes to the services delivered to internal and external users and the channels by which the services are accessed. They may also involve process, organisational, information and technology changes. All options will be workshopped with stakeholders from early in their development as part of our collaborative approach, ensuring that stakeholders 'own' the strategy as it is developed. As part of this work, we develop a Roadmap, which shows how the organisation moves to the desired

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end state over time.

3. The third stage is **Options Appraisal**, during which the options for the potentially multiple standards are socialised with a range of stakeholders and refined to ensure that the final selection has the support of as many stakeholders as possible to ensure successful implementation once the solution profile has been developed and implemented.
4. The fourth stage is **Profile Development and Consultation** during which we will work with your technical teams and solution providers to ensure that all the necessary use cases are supported. Once initial work is completed on a profile this will then be consulted with stakeholders and tested with suppliers to ensure that it does support the use cases and that the necessary data is available in the different systems.
5. The Fifth stage is **Implementation**, during which we will manage the implementation of the standard and profile across the supply chain to ensure that they deliver the agreed requirements and performance, managing the testing and acceptance testing process and managing the transition from any existing system to ensure that there is minimal business interruption and loss of customer information.

A menu of professional expert support: The balance of skills needed for each assignment is carefully matched to the customer's requirements but would typically draw on our expertise in digital architecture, digital channels, channel shift, cloud technologies, investment appraisal and strategy delivery.

A proven track record: The staff at **Tim Rivett Consulting Ltd** have worked on many of the development of UK standards including TransXChange, NaPTAN, RTIG traffic signal priority and display interfaces, as well as European standards including SIRI, NeTEx and OpRa. We have supported clients in both public and private sectors during procurement of systems using standards and implementation of the standards. We understand what works and how to deliver data profiles and standards that work in real life and are not just theoretical.

Pricing: This service is priced based on anticipated resource requirement. Resources will be charged in accordance with the agreed SFIA man 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 (including the Authority's Management Charge) monthly in arrears against cost incurred.

On-boarding/off-boarding: For all of our 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.

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 and key stakeholders.