



Public Transport Information Coordination Group Issue Proforma

Reference number	98
Submitter/Owner	Name: Tim Rivett Organisation: RTIG Email address: tim.rivett@rtig.org.uk
Title/Short description	Vehicle fuel type in SIRI
Issue description	<p>With the increased focus on the climate and air quality it is increasingly useful to know a vehicles fuel type. This is supported at a basic level in NeTEX. This can provide the expected vehicle fuel type for a journey.</p> <pre><xsd:simpleType name="TypeOfFuelEnumeration"> <xsd:annotation> <xsd:documentation>Allowed values for type of fuel. </xsd:documentation> </xsd:annotation> <xsd:restriction base="xsd:normalizedString"> <xsd:enumeration value="petrol"/> <xsd:enumeration value="diesel"/> <xsd:enumeration value="naturalGas"/> <xsd:enumeration value="biodiesel"/> <xsd:enumeration value="electricity"/> <xsd:enumeration value="other"/> </xsd:restriction> </xsd:simpleType></pre> <p>There is no equivalent for the real time aspect of a journey to say what vehicle fuel type is operating or has operated a journey. The NeTEX structure could usefully be added to SIRI.</p> <p>A fuel type of hydrogen is not within the current NeTex structure and a separate Issue has been raised for the inclusion of this fuel type into NeTex. This would enable the inclusion of a new enumerated type: <xsd:enumeration value="hydrogen"/></p> <p>Ultimately the current emissions of a vehicle will be expected to be available. This is a much harder problem to resolve but this issue is a first step.</p>



Issue manifestation	Lack of information to reporting tools on the actual vehicle fuel type that operated a journey. Air quality zones need to know the make up of vehicles using the network. Compliance with contractual obligations for supported services
Issue severity	Low currently but will increase in importance.
Priority code	Medum
Response options	The NeTEX structure could usefully be added to SIRI. A more detailed model would be useful but probably not required.
Response actor	CEN TC278 WG3 SG7 (SIRI)
Respondent code	Accepted by SIRI
Issue progress	<i>New structure implemented in draft SIRI 2.1 hosted on GitHub. Documentation updated and pending submission before May 2021 to CEN for approval.</i>
Status code	In progress

Completed Proformas should be sent by email to tim.rivett@rtig.org.uk