Data technical standards

Technical standards

Internet access

In order to provide border inspections and used light entry certification and inspections, Appointees are required to have a level of internet access that allows a 10 megabyte file upload to be completed within five minutes.

Connections to Waka Kotahi NZ Transport Agency border inspection and entry certification and inspection services must follow the standards below:

- HTTP 1.1
- TCP/IP v4.

Supported internet browsers

The Waka Kotahi border inspection and entry certification and inspection services user interfaces will require one of the following internet browsers which must be a version fully supported by their producers:

- Edge v96.0.1054.x or greater
- Chrome v96.0.4664.x or greater
- Firefox 91.0.x or greater

Data formats

The Waka Kotahi border inspection and entry certification and inspection services will accept bulk upload of inspection data via an XML file. The batch file definition will be provided on appointment as an XML schema that will adhere to the XSD 1.0 standard.

File formats

The Waka Kotahi border inspection service will accept inspection damage report images that conform to the following specifications:

- The image format must be a JPEG.
- The horizontal and vertical resolution must be between 72 180 DPI.
- The RGB bit depth must be 24 bits per pixel.
- Image size must be exactly 640 x 480 pixels.

The Waka Kotahi border inspection service will accept inspection water damage reports that conform to the following specifications:

- The file format must be PDF.
- The maximum acceptable file size is 100 kilobytes. To achieve this file size, it is recommended that the PDF contain the pages of the water damaged scanned in black and white.

Set out any file format specifications that the Agency service for entry certification, if separate to border inspection, will accept.

Security

The Waka Kotahi border inspection service is based on access using a RealMe identity (https://www.realme.govt.nz/).

Entry certification sites are required to be on a secure network.

Glossary

HTTP	HyperText Transfer Protocol provides a standard for web browsers and servers to communicate.
TCP/IP	Transmission Control Protocol/Internet Protocol is the basic communication language or protocol of the internet.
XML	Extensible Markup Language is a flexible way to create common information formats and share both the format and the data on the internet, intranets and elsewhere.
XSD	XML Schema Definition is a recommendation of the World Wide Web Consortium (W3C). It specifies how to formally describe the elements in an XML document.