

Train Builder

ViziRail's Train Builder module includes a comprehensive vehicle reference database containing the identity and operational attributes of every locomotive and wagon certified for operation on the network. Business rule validation is performed against these attributes to check, for example, that the nominated consist tare weight for a vehicle is the same as the database value and exceptions are highlighted. Dangerous goods and special loads are also handled within the Train Builder module.

Key Train Builder functions include:

- ❑ **Consist manager:** used to attach and detach rollingstock with validation

Seq	Number	Class	Gross Mass	Attach	Dest	Time	H	Trailing	C	DG	Commodity	Sender	Receiver	Length	Tare Mass	Brake
1	2325	BBH	100.000	GBE	DNR	08:11	H	0.00			0003			15.00	96.6	01
2	2312	BBH	50.000	GBE	DNR	08:11		0.00			0003			15.00	96.6	01
3	2299	BBH	80.000	GBE	DNR	08:11		0.00			0003			15.00	96.6	01
4	96056	BBH	23.000	GBE	DNR	08:11		0.00	*		EMPTY	BR	BR	50.00	23	02
5	96014	BBH	23.000	GBE	DNR	08:11		0.00	*		EMPTY	BR	BR	50.00	23	02
6	96111	BBH	35.000	GBE	DNR	08:11		0.00	*		0004	BR	NRZ	50.00	23	02

Figure 1: Train Service Consist form

- ❑ **Consignment detail:** details including reference numbers, weight, commodity, dangerous goods and customer references
- ❑ **Load & Pre-Load:** enables loading of the wagons and management of dangerous goods
- ❑ **Consist log:** logs a snapshot of the consist every step of the trains journey
- ❑ **Validation:** business rule validation and pre-processing ensures full compliance with the detailed requirements specified in respect of duplicate, out-of-sequence transactions and other operational anomalies
- ❑ **Reporting:** allows vehicle movements to be recreated for GTK reporting and access billing purposes