

# ***Rail Delivery Group***

---



## **Coaches, Seats and Seat Properties Data Feed Specification**

**Subject Ref: RSPS5080  
Version: P-01-00**

## Documentation Management

This documentation is published via the ASSIST website only.

The Version Control and Release Management of this documentation is managed by the Rail Delivery Group's Compliance Standards team (Compliance.Standards@raildeliverygroup.com).

## Copyright

The copyright in this work is vested in Rail Settlement Plan Limited and the information contained herein is confidential. This work (either in whole or in part) must not be modified, reproduced, disclosed or disseminated to others or used for purposes other than that for which it is supplied, without the prior written permission of Rail Settlement Plan Limited. If this work or any part hereof is furnished to a third party by virtue of a contract with that party, use of this work by such party shall be governed by the express contractual terms between Rail Settlement Plan Limited which is a party to that contract and the said party. © 2024

## Version History

| Version | Comments              |
|---------|-----------------------|
| 01-00   | Documentation Issued. |

## Table of contents

|           |                                       |          |
|-----------|---------------------------------------|----------|
| <b>1.</b> | <b>Introduction .....</b>             | <b>5</b> |
| 1.1       | Overview .....                        | 5        |
| 1.2       | Related Subjects and references ..... | 5        |
| <b>2.</b> | <b>Data .....</b>                     | <b>6</b> |
| 2.1       | Coach Type.....                       | 6        |
| 2.2       | Seat.....                             | 8        |
| 2.3       | Seat Property .....                   | 9        |
| 2.4       | Inventory Class Description .....     | 10       |
| 2.5       | Seat Property Description .....       | 11       |

## Terms and Definitions

| Term | Definition  |
|------|---|
| CSV  | Comma-separated values is a text file format that uses commas to separate values. |
| JPG  | A common Image File format (JPEG).  |
| RARS | Rail Availability and Reservation Service.  |
| RDM  | Rail Data Marketplace.  |
| RSID | Retail Service Identifier.  |
| URL  | A Uniform Resource Locator, colloquially known as an 'address' on the Web.        |

## 1. Introduction

### 1.1 Overview

- 1.1.1 This documentation details the 'Coaches, Seats and Seat Properties data feed' which is available through the 'Rail Data Marketplace' (RDM).
- 1.1.2 The data contains a listing of all coaches along with their seats and the seat properties.
- 1.1.3 The data is sourced from the 'Rail Availability and Reservation Service' (RARS).
- 1.1.4 The data is provided in the RDM and is updated overnight, every night.
- 1.1.5 Each CSV file consists of a 'header' record, with information on the contents, followed by the data.

### 1.2 Related Subjects and references

| RDG Ref  | Title  | Usage   |
|----------|--|---|
| RSPS5045 | Fares and Associated Data Feed Interface Specification | Describes the Data Feed containing Fares information. |

## 2. Data

### 2.1 Coach Type

2.1.1 Defines a unique Coach Type.

2.1.2 The term 'template' refers to a diagram showing a coach layout.

#### 2.1.3 Filename

The file name is `CoachTypes.csv`

#### 2.1.4 Data description

| Key | Field | Field Name      | Type   | Max Length | Description  |
|-----|-------|-----------------|--------|------------|--|
| Y   | 1     | coachType       | String | 50         | Unique Coach Type code.  |
|     | 2     | floorplanHeight | Int    | 5          | Height in pixels of the coach floorplan image. Units are in pixels.  |
|     | 3     | floorplanWidth  | Int    | 5          | Width in pixels of the coach floorplan image. Units are in pixels.   |
|     | 4     | seatHeight      | Int    | 5          | Height in pixels of a seat within a Coach Image Template. Units are in pixels.   |
|     | 5     | seatWidth       | Int    | 5          | Width in pixels of a seat within a Coach Image Template. Units are in pixels.  |
|     | 6     | carrierCode     | String | 2          | The 2-character Carrier code from the published timetable data.<br><br>Aligns with the TOC ID as defined in RSPS5045: 'Fares and Associated Data Feed Interface Specification'. See TOCs   TOC record. |

| Key | Field | Field Name              | Type   | Max Length | Description   |
|-----|-------|-------------------------|--------|------------|---|
|     | 7     | templateFilename        | String | 100        | <p>Filename of the JPG file showing the Coach layout.</p> <p>To be used in conjunction with the base URL. This is the template root folder and is set per carrier. This information can be provided by the RDG Helpdesk on request.</p> <p>Email: <a href="mailto:Rarssupport@cloudbusiness.com">Rarssupport@cloudbusiness.com</a></p> <p>Example:</p> <p><a href="https://template.rdg-gn-acc.cloud.skills.com/template/{code}">https://template.rdg-gn-acc.cloud.skills.com/template/{code}</a></p> |
|     | 8     | rsid                    | String | 10         | <p>An example Retail Service Identifier (RSID) using this Coach Type.</p> <p>The RSID identifies a service within the Passenger Schedules.</p>  |
|     | 9     | latestServiceOriginDate | Date   | 10         | <p>Latest known date of departure at the origin station for the example Service.</p> <p>Date format YYYY-MM-DD.</p>   |

### 2.1.5 Example data

"4501 GWR Sleeper E", "235", "1275", "45", "30", "GW", "GWR SLEEPER  
E\_200618155940632.jpg", "GW127600", "2023-12-10"

"1165 GWR 10 IET Coach D DOWN FC NONRES SD", "253", "1246", "30", "30", "GW", "GWR 5  
IET D\_201006120618255.jpg", "GW920300", "2022-08-10"

## 2.2 Seat

### 2.2.1 Overview

2.2.1.1 Child entity of a Coach Type.

2.2.1.2 Contains data detailing a Seat.

2.2.1.3 Seat data also includes information for rooms, bicycle bays, etc.

### 2.2.2 Filename

The file name is `Seats.csv`

### 2.2.3 Data description

| Key | Field | Field Name     | Type   | Max Length | Description  |
|-----|-------|----------------|--------|------------|--|
| Y   | 1     | coachType      | String | 50         | Coach Type identifier which the Seat is associated with.   |
| Y   | 2     | seatId         | String | 5          | Unique identifier of the Seat within a Coach. The Seat ID is generally 2 to 3 characters long, mixed case. |
|     | 3     | sequence       | Int    | 2          | Sequence number of the Seat in relation to other Seats within the Coach.                                   |
|     | 4     | inventoryClass | String | 5          | Inventory Class Code.<br>See the 'Inventory Class Description' section.                                    |
|     | 5     | row            | Int    | 5          | The seat row.  |
|     | 6     | rowPosition    | Int    | 5          | The seat position in the row   |
|     | 7     | xPos           | Int    | 5          | X Position of the seat. Units are in pixels.   |
|     | 8     | yPos           | Int    | 5          | Y Position of the seat. Units are in pixels.   |

### 2.2.4 Example data

```
"9102 GWR 9 IET C SD", "40", "136", "2S", "8", "5", "530", "184"
"9102 GWR 9 IET C SD", "39", "137", "2S", "8", "4", "533", "152"
"9102 GWR 9 IET C SD", "43", "138", "2S", "9", "4", "568", "153"
"9102 GWR 9 IET C SD", "44", "139", "2S", "9", "5", "561", "187"
```

## 2.3 Seat Property

### 2.3.1 Overview

- 2.3.1.1 Child entity of the Seat entity
- 2.3.1.2 Contains data detailing the Properties of a Seat.
- 2.3.1.3 A Seat can have multiple Properties.

### 2.3.2 Filename

The file name is `SeatProperties.csv`

### 2.3.3 Data description

| Key | Field | Field Name          | Type   | Max Length | Description   |
|-----|-------|---------------------|--------|------------|---|
| Y   | 1     | <b>coachType</b>    | String | 50         | Coach Type identifier which the Seat is associated with.  |
| Y   | 2     | <b>seatId</b>       | String | 5          | Seat identifier which the property is associated with.  |
| Y   | 3     | <b>propertyCode</b> | String | 4          | Property code associated with the Seat.   |
| Y   | 4     | <b>carrierCode</b>  | String | 2          | The 2-character Carrier code from the published timetable data.<br><br>Aligns with the TOC ID as defined in RSPS5045: 'Fares and Associated Data Feed Interface Specification'. See TOCs   TOC record |

### 2.3.4 Example data

```
"4501 GWR Sleeper E","1L","COND","GR"
"4501 GWR Sleeper E","1L","LOWR","GR"
"4501 GWR Sleeper E","2U","COND","GR"
"4501 GWR Sleeper E","2U","UPPR","GR"
```

## 2.4 Inventory Class Description

### 2.4.1 Overview

Lookup data for the Inventory Class field on the Seat entity

### 2.4.2 Filename

The filename is `InventoryClassDescriptions.csv`

### 2.4.3 Data description

| Key | Field | Field Name     | Type   | Max Length | Description  |
|-----|-------|----------------|--------|------------|--|
| Y   | 1     | carrierCode    | String | 2          | The 2-character Carrier code from the published timetable data.<br><br>Aligns with the TOC ID as defined in RSPS5045: 'Fares and Associated Data Feed Interface Specification'. See TOCs   TOC record. |
| Y   | 2     | inventoryClass | String | 5          | Inventory Class Code.  |
|     | 3     | description    | String | 50         | Description of the Inventory Class.  |
|     | 4     | inventoryType  | String | 11         | Type: 'seat', 'bike' or 'unallocated'.   |
|     | 5     | sequence       | Int    | 2          | The sequence of inventory classes shown in lists   |

### 2.4.4 Example data

```
"GC","1C","First Class","seat","1"
"GW","9B","Bike","bike","2"
```

## 2.5 Seat Property Description

### 2.5.1 Overview

2.5.1.1 This is the lookup entity which gives a description of the Property code on the Seat Property entity.

2.5.1.2 Each TOC uses a limited set of these property codes, but the code and description is the same for each TOC.

### 2.5.2 Filename

The filename is `SeatPropertyDescriptions.csv`

### 2.5.3 Data description

| Key | Field | Field Name   | Type   | Max Length | Description                             |
|-----|-------|--------------|--------|------------|---|
| Y   | 1     | propertyCode | String | 4          | Property code associated with the Seat. |
|     | 2     | description  | String | 50         | Seat Property Description.              |

### 2.5.4 Example data

"AISL", "SEAT POSITION AISLE"  
"LEGM", "MORE LEG ROOM"

End.