

Rail Delivery Group



Ticketing Specification eTicket

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Review Information¹

| Version | Date | Author | Comments |
|---------|-------------|---------------------------------|--|
| 05-01-A | 23-Jun-2022 | Matthew Pickman James Wright | <p>Addition of Format D03 for Supplements</p> <p>Addition of Format D04 for PlusBus</p> <p>eTickets use National Rail logo image, rather than symbol.</p> <p>The following JIRAs have been reviewed/addressed:</p> <p>STD-1347 Discrepancy on eTicket Seasons between print and on screen pdf for Adult / Child</p> <p>STD-1387 Review space allocated for TOC name on PDF formats</p> <p>STD-1399 Remove Appendix C and D</p> <p>STD-1409 Clarification on hyperlink alternative sites</p> <p>STD-1405 Review logic for Field E0016</p> <p>STD-1442 Compensation for barcode tickets - customer access to UTN</p> <p>STD-1447 Example for D02 (Display) has an incorrect 'single' arrow</p> <p>STD-1457 What to do if no CRS code exists?</p> <p>STD-1469 Self print deprecated</p> <p>STD-1480 Clarification on showing an itinerary if no actual reservations made</p> <p>STD-1508 Example needs updating D10 AITX</p> <p>STD-1518 Inconsistent use of National Rail roundel image</p> <p>STD-1520 Add reference to Folding image</p> |
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¹ Further review information is recorded in the Revision History Appendix

Release Control

The following personnel must formally approve the document prior to assigning a non-draft version number.

| Organisation | Role | Name |
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| F&RG | Approval of RDG Compliance Standards | Fares and Retail Group |
| RDG | Document Owner | James Wright |

Distribution

| Organisation | Role | Name |
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| TIS Accreditation | N/A | RDG TIS Accreditation |
| TIS Suppliers | N/A | N/A |
| TOCs | N/A | N/A |

Terms and Definitions

| Term | Meaning |
|----------|---|
| AITX | Advance Inclusive Tour Excursion (ITX as an Advance ticket). |
| ASSIST | Accreditation Standards Site Integrating System Toolset. The TIS Accreditation and Compliance Standards website. |
| ATOC | Association of Train Operating Companies, now Rail Delivery Group. |
| CCST X | Credit Card Sized Ticket. |
| CIV | <i>Conditions International de Voyage</i> , International Convention for the transportation of Passengers. |
| CRS Code | A 3-digit alpha code issued to every railway station in Britain. |
| eTVD | Electronic Ticket Validation Database. |
| FTOT | Fares Type of Ticket code – a three-character code that uniquely identifies a ticket type in the RDG(DTD) data feed. It is the code that retailers and ticket inspection staff understand, is used to reference the Terms and Conditions associated with the Product and the FTOT description is printed on tickets. This code indicates class of travel. Examples include ‘SDS’ – <i>Anytime</i> Day Single, ‘SOS’ – <i>Standard Anytime</i> Single. This is not used in the SDCI+ Records. |
| IDMS | IPTIS Data Management Service. |
| IPTIS | Integrated Public Transport Information System. |
| ITX | Inclusive Tour Excursion, a rail ticket purchased as part of a package excursion. |
| JSON | JavaScript Object Notation, a file and/or data format. |
| Lennon | Latest Earnings Networked Nationally Overnight. The financial settlements system for train operating companies. |
| M/C/O | Mandatory/Conditional/Optional. |
| NLC | National Location Code. |
| NRCoT | National Rail Conditions of Travel. |
| NRS | National Reservation Service, the old seat reservation database. |
| PDF | Portable Document Format; a file format for encoding documents that preserves the appearance of a document exactly. |
| PMS | Product Management Service. |
| RARS | The seat reservation database. |
| RCS | Retail Control Service. |
| RDG | Rail Delivery Group. |
| RSP | Rail Settlement Plan. |
| SDCI+ | Standard Data Capture Interface +. The batch file interface definition for Lennon. |
| TIS | Ticket Issuing System. |
| TOC | Train Operating Company. |
| UTN | Unique eTicket Number. |

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1. Introduction

1.1 Overview

- 1.1.1 This document sets out the specification relating to the fulfilment of rail products as an eTicket, to be displayed on a customer device and/or printed by the customer, and as a layout supported by various applications and operating systems.
- 1.1.2 eTicket is a means of barcode fulfilment, incorporating the 'Type 06' barcode defined in [RSPS3001](#): 'Barcode Presentation, Key Management and Data Specification'.
- 1.1.3 This Standard ensures a consistent layout is applied by TIS Suppliers across all approved eTicket file types.
- 1.1.4 An eTicket can only be fulfilled to a file type approved by RDG. The approved file types are
- PDF (for display on screen and print-friendly implementations).
 - Apple Wallet Passes.
 - Google Passes.
 - A dedicated mobile application.
- 1.1.5 Requests to expand the list of approved file types are to be directed to the RDG Document Owner for consideration.
- 1.1.6 Apple Wallet and Google Pass file types support additional services that enhance the customer experience, such as location-based or time-based surfacing of an eTicket and the convenience of storing rail tickets in a native wallet with other non-rail digital tickets and coupons.
- 1.1.7 An eTicket may be freely duplicated to multiple customer devices, screenshotted, or printed multiple times. This is an accepted feature of eTicket which is desired by customers but makes visual inspection unsuitable. Therefore, eTicket fulfilment should be considered only for flows where barcode scanning is common practice and there is frequent communication across validation equipment.
- 1.1.8 It is important to note that eTicket, defined in this specification, mTicket, defined in [RSPS3013](#): 'Ticketing Specification – mTicket', and sTicket, defined in [RSPS3035](#): 'Ticketing Specification – sTicket', are separate fulfilment methods.
- 1.1.9 The RCS must be used to determine where products may be fulfilled to eTicket.
- 1.1.10 TIS must produce SDCI+ records as defined in [RSPS4000](#): 'SDCI+ Interface Specification'.
- 1.1.11 Each passenger is required to have an individual eTicket for their travel, in each direction if a return product. For example, a return product booking for 4 adults would necessitate 8 eTickets to be produced.
- 1.1.12 Exceptions are:
- Where, at the instruction of the TOC, multiple passengers travel using a single product (this is supported through the dedicated D12 'Group Ticket' eTicket format)
 - Season tickets
 - some carnet tickets (depending on TOC preference).

1.2 Related documents

| RDG Ref | Title | Usage |
|--------------------------|---|--|
| RSPS1024 | Interoperable Barcode Ticketing Code of Practice | Sets of the expectations of participants involved in the retail, acceptance and validation of interoperable barcode tickets |
| RSPS2000 | Barcodes in Rail Retailing | Defines the use of barcodes in Rail |
| RSPS2001 | Retail Control Service – Interface Control Document | Includes details of the RCS interface to determine Licensee, Fulfilment Channel and Ticket Type availability |
| RSPS3001 | Barcode Presentation, Key Management and Data Specification | Specification for generating and reading RDG compliant barcodes |
| RSPS3018 | Ticketing Specification - CCST X | Provides information on Print Formats to be used by Ticket Issuing Systems (TIS) when operating with the 'Common' CCST stock |
| RSPS4000 | SDCI+ Interface Specification | Defines the composition of Lennon settlement records |
| RSPS5043 | eTVD Messaging Specification | Covers communication of barcode ticket scanning records between Electronic Transaction Validation Databases (eTVDs) |
| RSPS5044 | IPTIS Data Management Service Reference Data | Details IDMS data content and distribution method |

2. Layout

2.1 Summary

2.1.1 Below are details of the considerations that influenced the layout of the eTicket defined in this Standard.

- An eTicket is comprised of several 'Blocks'.
- The Header Block contains high level product information, designed to fit to a single screen display.
- The other Blocks provide additional information of the product and customer support.
- Validation of an eTicket is achieved through barcode scanning. Therefore, the barcode component must be displayed prominently on the Header Block.
- Due to template constraints for some file types, two variations of the eTicket Header Block layout are permitted. The barcode may be positioned at the top or bottom of the Header block.
- There are slight variations between the overall design and detailed specifications due to template constraints. Each supported file type has its own chapter in this RDG subject to define the formatting and positioning of data items specific to the implementation.

2.2 Common requirements

2.2.1 Simple interaction between Blocks of an eTicket must be retained.

2.2.2 The 'For Fulfilment Media Printing/Display' hierarchy defined in [RSPS5044](#): 'IPTIS Data Management Service Reference Data' is used where IDMS is cited as the Data Source.

2.2.3 An Itinerary Block is mandatory where reservations exist for the journey and may optionally be included to display a 'suggested itinerary' where reservations have not been made. Otherwise, the Itinerary Block can be omitted.

2.2.4 Where an Itinerary Block is used, either the 'Text' or 'Visual' representation is to be used.

2.2.5 For test tickets in pdf format, a "SPECIMEN" overlay should be used on the Header block. The overlay must not obscure the barcode. For test Apple Wallet Passes and Google Pay Passes, the "SPECIMEN" text is not required.

2.3 Reference Points

2.3.1 eTicket Fields and Literals are defined in Appendix A.

2.3.2 eTicket colour requirements are defined in Appendix B.

2.3.3 Group CRS location codes are available through the IDMS data feed under 'Group_Location_NLC_TO_CRIS_CODE_Mapping.xml'. For more information, please refer to [RSPS5044](#): 'IPTIS Data Management Service Reference Data'.

2.3.4 eTicket examples are either shown within the documentation or are available as files to download from [ASSIST](#).

2.3.5 Where month names are used in abbreviated form, the three-character abbreviations to be used are defined in Appendix C.

3. Detailed Specification by Format

3.1 Introduction

3.1.1 The following eTicket formats are defined within separate subsections:

| Format | Product Types |
|--------|---|
| D01 | Walk Up |
| D02 | Season Ticket |
| D03 | Supplement |
| D04 | PlusBus |
| D10 | Advance Ticket (with 1 reserved leg) |
| D11 | Advance Ticket (with 2 or more reserved legs) |
| D12 | Group Ticket |
| D13 | BritRail |

3.1.2 Mapping of CCST X formats to the eTicket equivalent can be found in Appendix D of this document.

3.1.3 It is not possible in RCS to control the flows where a supplement may be issued as an eTicket. Instead, data will be added to [RSPS5052](#): 'RDG Supplementary Reference Data'.

3.2 Format D01: Walk Up

3.2.1 Format is to be used for Walk Up and some ITX products.

3.2.2 A separate eTicket is issued in each direction of travel, and for each coupon if a Carnet.

3.2.3 Header Block

| Item | Data Item | M/C/O |
|---------------|---|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field E0040 | Start date of validity | M |
| Field E0001 | CRS code journey summary | M |
| Field 00150 | Location (Origin) | M |
| Field 00126 | Location (Destination) | M |
| Field E0002 | CRS Code Fare Origin location | M |
| Literal E0004 | Directional Arrow | M |
| Field E0003 | CRS Code Fare Destination location | M |
| Field E0052 | Ticket Type label or Excess information | M |
| Field E0053 | Route label or Excess reference | M |
| Field 00211 | Ticket Type Details | M |
| Field E0039 | Route Details | M |
| Field E0004 | ADULT / CHILD | C |
| Literal E0029 | “VALID UNTIL” | M |
| Field E0005 | Status details | C |
| Field E0038 | Date of Expiry/Valid until | M |

3.2.4 Itinerary Block (Text Representation)

3.2.4.1 To be used where itinerary is to be represented in text form

| Item | Data Item | M/C/O |
|---------------|---------------------|-------|
| Literal E0005 | Reservations border | C |
| Field E0006 | Reservations Header | C |
| Field E0007 | Reservations (Text) | C |

3.2.5 Itinerary Block (Visual representation)

3.2.5.1 To be used where the itinerary is to be represented in a visual form.

| Item | Data Item | M/C/O |
|---------------|-----------------------|-------|
| Literal E0005 | Reservations border | C |
| Field E0006 | Reservations Header | C |
| Field E0008 | Reservations (Visual) | C |

3.2.6 Information Block

3.2.6.1 Optional, and free format, to provide additional information needed for a product, such as the Terms and Conditions of a Carnet or ITX product.

| Item | Data Item | M/C/O |
|---------------|-------------------------|-------|
| Literal E0030 | Information Border | O |
| Field E0044 | Free Format Information | O |

3.2.7 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|-----------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | “Ticket Details: ” | M |
| Field E0016 | Restriction Details | C |
| Field E0017 | Compensation Pages | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | “Ticket Number” | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | “Price” | M |
| Field 00155 | Price | M |
| Literal E0010 | “Purchased on” | M |
| Field E0021 | Purchase Date | M |
| Literal E0040 | “NRS Booking Reference” | C |
| Field 00142 | NRS/RARS Booking Reference number | C |

3.2.8 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.3 Format D02: Season Ticket

3.3.1 Format is to be used for Season Ticket products.

3.3.2 Header Block

| Item | Data Item | M/C/O |
|---------------|------------------------------------|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00053 | National Rail logo | M |
| Field E0023 | End of Validity Details | M |
| Field 00150 | Location (Origin) | M |
| Field 00126 | Location (Destination) | M |
| Field E0002 | CRS Code Fare Origin location | M |
| Literal E0012 | Bidirectional Arrow | M |
| Field E0003 | CRS Code Fare Destination location | M |
| Literal E0028 | "TICKET TYPE" | M |
| Literal E0027 | "ROUTE" | M |
| Field 00211 | Ticket Type Details | M |
| Field E0039 | Route Details | M |
| Field E0004 | ADULT / CHILD | M |
| Literal E0013 | "PHOTOCARD" | M |
| Literal E0014 | "VALID FROM" | M |
| Field 00140 | Name of Ticket Holder | M |
| Field 00153 | Photocard ID | M |
| Field E0040 | Start date of validity | M |

3.3.3 Literal E0012: The ATOC font file contains arrows which point left and right. These can be combined to create the bi-directional arrow. RDG's suggestion is to condense the spacing by 20pt, but TIS suppliers are given some flexibility here (subject to approval by RDG Accreditation).

3.3.4 Ticket Detail Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field E0032 | Ticket Replacement Reason | C |
| Field E0005 | Status details | C |
| Field E0016 | Restriction Details | C |
| Field E0017 | Compensation Pages | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |

| Item | Data Item | M/C/O |
|---------------|----------------|-------|
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |

3.3.5 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.4 Format D03: Supplement

3.4.1 Format is to be used for Supplements.

3.4.2 Header Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field 00320 | Valid On or Valid From | M |
| Field 00295 | Start date of validity | M |
| Literal 00116 | "SUPPLEMENT" | M |
| Field 00321 | Supplement summary | M |
| Field 00322 | "VALID ONLY WITH TICKET" | C |
| Field 00311 | Registration number label | O |
| Field 00101 | Travel ticket number | C |
| Field 00158 | Registration Number | O |
| Field 00323 | For use on direction label | C |
| Field 00324 | Valid until label | C |
| Field K_D | Table K_D | C |
| Field 00325 | Package valid until date | C |

3.4.3 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |

3.4.4 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.5 Format D04: PlusBus

3.5.1 Format is to be used for day PlusBus products.

3.5.2 Header Block

| Item | Data Item | M/C/O |
|---------------|---|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field 00320 | Valid On or Valid From | M |
| Field 00295 | Start date of validity | M |
| Field 00208 | Fare destination location | M |
| Image 00051 | PlusBus logo | M |
| Field E0052 | Ticket Type label or Excess information | M |
| Field 00211 | Ticket Type Details | M |
| Field E0004 | ADULT / CHILD | C |
| Field E0005 | Status details | C |

3.5.3 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field 00313 | PlusBus website information | M |
| Field E0018 | NRCOT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |

3.5.4 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.6 Format D10: Advance Ticket (with 1 reserved leg)

3.6.1 Format to be used for Advance Ticket products or Advance ITX (AITX) products with one reserved leg.

3.6.2 Header Block

| Item | Data Item | M/C/O |
|---------------|--|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field E0040 | Start date of validity | M |
| Field E0001 | CRS code journey summary | M |
| Field 00150 | Location (Origin) | M |
| Field 00126 | Location (Destination) | M |
| Field E0002 | CRS Code Fare Origin location | M |
| Literal E0004 | Directional Arrow | M |
| Field E0003 | CRS Code Fare Destination location | M |
| Field E0052 | Ticket Type label or Excess information. | M |
| Field E0053 | Route label or Excess reference. | M |
| Field 00211 | Ticket Type Details | M |
| Field E0039 | Route Details | M |
| Field E0004 | ADULT / CHILD | C |
| Literal E0015 | "DEPART" | M |
| Literal E0026 | "COACH" | M |
| Field E0024 | Seat/Berth | M |
| Field E0005 | Status details | C |
| Field E0042 | Time of First Train Departure | M |
| Field E0025 | Coach Number | M |
| Field E0043 | Seat / Berth / Room number | M |

3.6.3 Itinerary Block (Text Representation)

3.6.3.1 To be used where itinerary is to be represented in text form

| Item | Data Item | M/C/O |
|---------------|---------------------|-------|
| Literal E0005 | Reservations border | M |
| Field E0006 | Reservations Header | M |
| Field E0007 | Reservations (Text) | C |

3.6.4 Itinerary Block (Visual representation)

3.6.4.1 To be used where the itinerary is to be represented in a visual form.

| Item | Data Item | M/C/O |
|---------------|-----------------------|-------|
| Literal E0005 | Reservations border | M |
| Field E0006 | Reservations Header | M |
| Field E0008 | Reservations (Visual) | C |

3.6.5 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|-----------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field E0016 | Restriction Details | C |
| Field E0017 | Compensation Pages | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |
| Literal E0040 | "NRS Booking Reference" | M |
| Field 00142 | NRS/RARS Booking Reference number | M |

3.6.6 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.7 Format D11: Advance Ticket (with 2 or more reserved legs)

3.7.1 Format to be used for Advance Ticket products or Advance ITX (AITX) products with two or more reserved legs.

3.7.2 Header Block

| Item | Data Item | M/C/O |
|---------------|--|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field E0040 | Start date of validity | M |
| Field E0001 | CRS code journey summary | M |
| Field 00150 | Location (Origin) | M |
| Field 00126 | Location (Destination) | M |
| Field E0002 | CRS Code Fare Origin location | M |
| Literal E0004 | Directional Arrow | M |
| Field E0003 | CRS Code Fare Destination location | M |
| Field E0052 | Ticket Type label or Excess information. | M |
| Field E0053 | Route label or Excess reference. | M |
| Field 00211 | Ticket Type Details | M |
| Field E0039 | Route Details | M |
| Field E0004 | ADULT / CHILD | C |
| Literal E0015 | “DEPART” | M |
| Literal E0016 | “RESERVATIONS” | M |
| Field E0005 | Status details | C |
| Field E0042 | Time of First Train Departure | M |
| Literal E0017 | “See Itinerary” | M |

3.7.3 Itinerary Block (Text Representation)

To be used where itinerary is to be represented in text form.

| Item | Data Item | M/C/O |
|---------------|---------------------|-------|
| Literal E0005 | Reservations border | M |
| Field E0006 | Reservations Header | M |
| Field E0007 | Reservations (Text) | C |

3.7.4 Itinerary Block (Visual representation)

3.7.4.1 To be used where the itinerary is to be represented in a visual form.

| Item | Data Item | M/C/O |
|---------------|-----------------------|-------|
| Literal E0005 | Reservations border | M |
| Field E0006 | Reservations Header | M |
| Field E0008 | Reservations (Visual) | C |

3.7.5 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|-----------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field E0016 | Restriction Details | C |
| Field E0017 | Compensation Pages | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |
| Literal E0040 | "NRS Booking Reference" | M |
| Field 00142 | NRS/RARS Booking Reference number | M |

3.7.6 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.8 Format D12: Group Ticket

3.8.1 Format may be used for group travel products, where a single barcode contains multiple passengers. This format is only used for products at the instruction of the owning TOC, as it is contrary to the normal principle of one barcode per passenger.

3.8.2 Header Block

| Item | Data Item | M/C/O |
|---------------|--|-------|
| Literal E0001 | Header Border | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Image 00052 | National Rail logo | M |
| Field E0040 | Start date of validity | M |
| Field E0001 | CRS code journey summary | M |
| Field 00150 | Location (Origin) | M |
| Field 00126 | Location (Destination) | M |
| Field E0002 | CRS Code Fare Origin location | M |
| Literal E0004 | Directional Arrow | M |
| Field E0003 | CRS Code Fare Destination location | M |
| Field E0052 | Ticket Type label or Excess information. | M |
| Field E0053 | Route label or Excess reference. | M |
| Field 00211 | Ticket Type Details | M |
| Field E0039 | Route Details | M |
| Field E0027 | Number of Adult / Child | M |
| Literal E0015 | “DEPART” | M |
| Literal E0016 | “RESERVATIONS” | C |
| Field E0005 | Status details | M |
| Field E0042 | Time of First Train Departure | M |
| Literal E0017 | “See Itinerary” | C |

3.8.3 Itinerary Block (Text Representation)

| Item | Data Item | M/C/O |
|---------------|----------------------|-------|
| Literal E0005 | Reservations border | C |
| Field E0006 | Reservations Header | C |
| Field E0009 | Reservations (Group) | C |

3.8.4 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0006 | Ticket Details border | M |
| Literal E0007 | "Ticket Details: " | M |
| Field E0016 | Restriction Details | C |
| Field E0017 | Compensation Pages | M |
| Field E0018 | NRCoT and CIV | M |
| Field E0019 | Refund Details | M |
| Literal E0008 | "Ticket Number" | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0009 | "Price" | M |
| Field 00155 | Price | M |
| Literal E0010 | "Purchased on" | M |
| Field E0021 | Purchase Date | M |

3.8.5 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

3.9 Format D13: BritRail

3.9.1 Format is to be used for BritRail products.

3.9.2 Header Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0001 | Header Border | M |
| Image 00048 | BritRail Logo | M |
| Literal E0029 | “VALID UNTIL” | M |
| Field E0038 | Date of Expiry/Valid until | M |
| Field E0028 | Class | M |
| Field E0041 | Rover Description | M |
| Literal E0019 | “RESIDENCY” | M |
| Literal E0020 | “VALID FROM” | M |
| Field E0029 | Country of Residence | M |
| Field E0040 | Start date of validity | M |
| Field E0030 | ADULT / CHILD | M |
| Literal E0021 | “VALIDITY” | M |
| Field 00140 | Name of Ticket Holder | M |
| Field E0031 | Validity Details | M |
| Literal E0002 | Type 06 Barcode Border | M |
| Field 00001 | Barcode Content Prefix 06 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |

3.9.3 Passenger Details Block

| Item | Data Item | M/C/O |
|---------------|--------------------------|-------|
| Literal E0022 | Passenger Details border | M |
| Literal E0023 | “Passenger Details: ” | M |
| Literal 00055 | “Issued to” | M |
| Field E0033 | Passenger Name details | M |
| Literal E0025 | “Passport Number” | M |
| Field E0037 | ID details | M |
| Field E0029 | Country of Residence | C |

3.9.4 Ticket Details Block

| Item | Data Item | M/C/O |
|---------------|--------------------------------|-------|
| Literal E0024 | Rover Details border | M |
| Literal E0007 | “Ticket Details: ” | M |
| Field E0034 | Validity Area Link | M |
| Field E0035 | Validity Area Summary | O |
| Field E0036 | Travel information | C |
| Literal E0008 | “Ticket Number” | M |
| Field E0020 | Barcode Ticket Reference (UTN) | M |
| Literal E0010 | “Purchased on” | M |
| Field E0021 | Purchase Date | M |

3.9.5 Contact Information Block

| Item | Data Item | M/C/O |
|---------------|------------------------------|-------|
| Literal E0011 | Customer Information Border | M |
| Field E0022 | Customer Support Information | M |

4. Apple Wallet Pass Implementation

4.1 Introduction

- 4.1.1 Apple Wallet Passes are added to the native 'Wallet' app on iOS devices. The app holds passes for a variety of purposes, including tickets.
- 4.1.2 Apple Wallet Passes support features such as 'surfacing' based on a geographic location, or a date and time. Retailers may choose to make use of these features and improve the customer experience.
- 4.1.3 There are several templates to render an Apple Wallet Pass. The *boardingPass* template is used in all cases, except for supplements, PlusBus and BritRail which are delivered using the *generic* template.

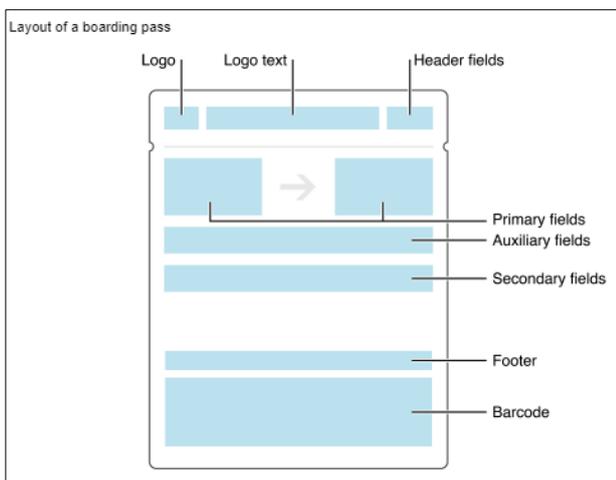


Figure 1 - Apple Wallet Boarding Pass template

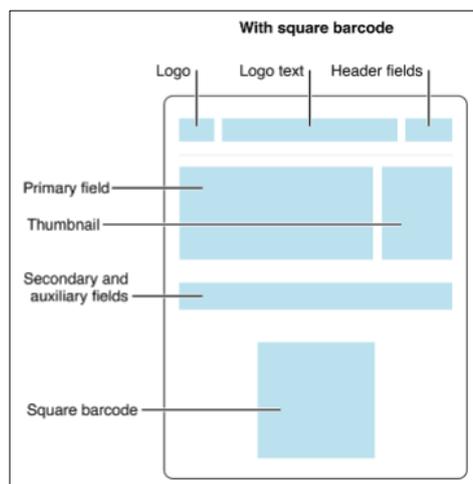


Figure 2 - Apple Wallet Generic template

- 4.1.4 The JSON coding templates for each eTicket format have been moved to the accompanying 'Apple and Google JSON Files' spreadsheet to aid developers.

4.2 Examples

4.2.1 Format D01: Walk Up



12 Dec 2022 OUT: HPL - SWA

HARTLEPOOL → SWANSEA
HPL **SWA**

TICKET TYPE ROUTE
Off-Peak Return Not Via London

ADULT VALID UNTIL
Family & Friends Railcard 12 Dec 2022


 AA123456789

Ticket Details

This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V

Information relating to compensation in the event of disruption can be found [here](#)

Issued subject to the [National Rail Conditions of Travel](#) and CIV
For refund information contact the retailer of your ticket

Ticket Number AA123456789
Price £172.40
Purchased on 01 Dec 2022

Retailer Information

Contact us by phone 0123456789
Contact us online www.retailer.co.uk
Contact us by email info@retailer-name.co.uk

4.2.2 Format D02: Season Ticket



Valid Until 01 Aug 2022

BOLTON MANCHESTER STATIONS
BON **MCR**

TICKET TYPE ROUTE
7 Day Season 1st .

ADULT PHOTOCARD VALID FROM
Mrs A Andrews ABC1234 26 Jul 2022


 AA123456789

Ticket Details

Information relating to compensation in the event of disruption can be found [here](#)

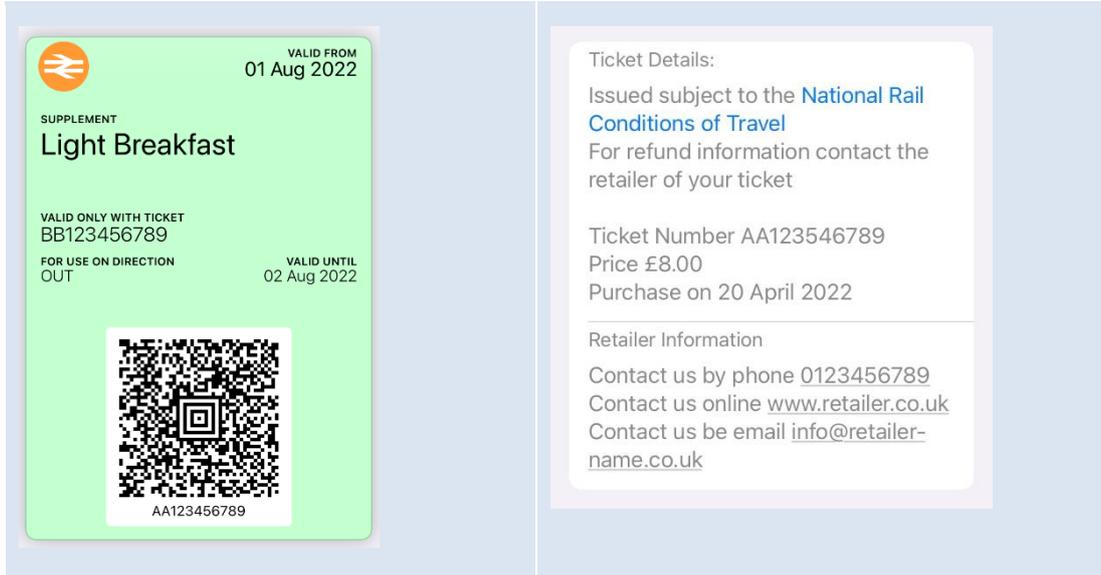
Issued subject to the [National Rail Conditions of Travel](#) and CIV
For refund information contact the retailer of your ticket

Ticket Number AA123456789
Price 6195.50
Purchased on 25 Jul 2022

Retailer Information

Contact us by phone 0123456789
Contact us online www.retailer.co.uk
Contact us by email info@retailer-name.co.uk

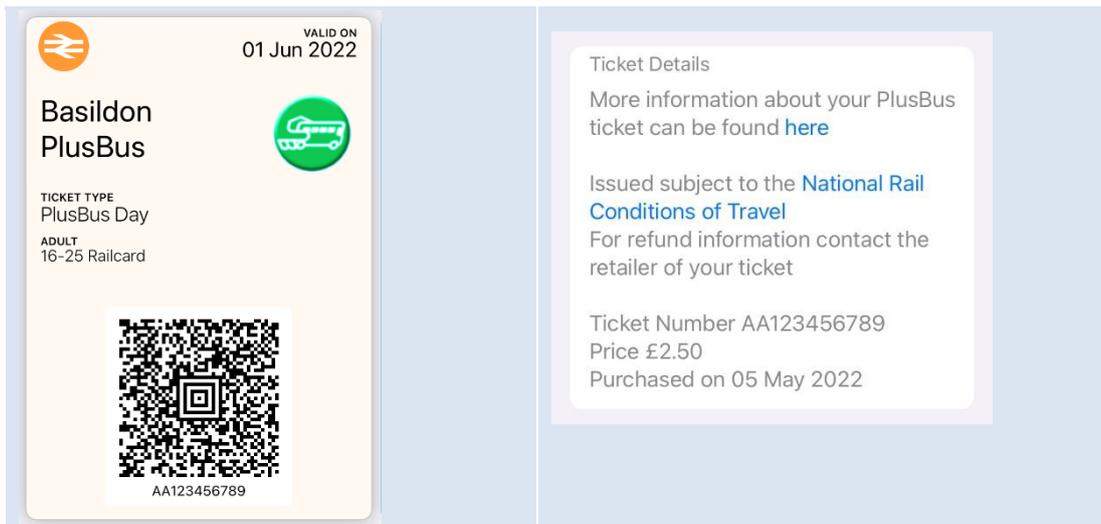
4.2.3 **Format D03: Supplement**



The image shows a green supplement ticket and its associated details. The ticket is titled 'Light Breakfast' and is valid from 01 Aug 2022 to 02 Aug 2022. It includes a QR code and the ticket number AA123456789. The details panel on the right provides information about the ticket's issuance, price (£8.00), purchase date (20 April 2022), and contact information for the retailer.

| Ticket Details: | |
|--|--|
| Issued subject to the National Rail Conditions of Travel | |
| For refund information contact the retailer of your ticket | |
| Ticket Number AA123456789 | |
| Price £8.00 | |
| Purchase on 20 April 2022 | |
| Retailer Information | |
| Contact us by phone 0123456789 | |
| Contact us online www.retailer.co.uk | |
| Contact us by email info@retailer-name.co.uk | |

4.2.4 **Format D04: PlusBus**



The image shows a light orange PlusBus ticket and its associated details. The ticket is titled 'Basildon PlusBus' and is valid on 01 Jun 2022. It includes a QR code and the ticket number AA123456789. The details panel on the right provides information about the ticket's issuance, price (£2.50), purchase date (05 May 2022), and contact information for the retailer.

| Ticket Details | |
|--|--|
| More information about your PlusBus ticket can be found here | |
| Issued subject to the National Rail Conditions of Travel | |
| For refund information contact the retailer of your ticket | |
| Ticket Number AA123456789 | |
| Price £2.50 | |
| Purchased on 05 May 2022 | |

4.2.5 Format D10: Advance Ticket (with 1 reserved leg)

| | | |
|--|--|--|
| | <p>Itinerary - Mandatory reservations 12 Dece...</p> <p>13:00 Avanti West Coast From London Euston To Manchester Piccadilly Coach B Seat 27B</p> | <p>Ticket Details</p> <p>This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V</p> <p>Information relating to compensation in the event of disruption can be found here</p> <p>Issued subject to the National Rail Conditions of Travel and CIV For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789 Price £34.50 Purchased on 01 Dec 2022 NRS Booking Reference NRS4567</p> <p>Retailer Information</p> <p>Contact us by phone 0123456789 Contact us online www.retailer.co.uk Contact us by email info@retailer-name.co.uk</p> |
|--|--|--|

4.2.6 Format D11: Advance Ticket (with 2 or more reserved legs)

| | | |
|--|---|--|
| | <p>Itinerary - Mandatory reservations 20 Janua...</p> <p>12:54 Transport for Wales From Swansea To Cardiff Central No specific seat</p> <p>13:55 Great Western Railway From Cardiff Central To Bristol Parkway Coach D Seat 12B</p> <p>14:40 CrossCountry From Bristol Parkway To York Coach C Seat 10F</p> <p>18:42 Grand Central Railway From York To Hartlepool Coach B Seat 20B</p> | <p>Ticket Details</p> <p>This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V</p> <p>Information relating to compensation in the event of disruption can be found here</p> <p>Issued subject to the National Rail Conditions of Travel and CIV For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789 Price £97.40 Purchased on 05 Jan 2022 NRS Booking Reference NRS4567</p> <p>Retailer Information</p> <p>Contact us by phone 0123456789 Contact us online www.retailer.co.uk Contact us by email info@retailer-name.co.uk</p> |
|--|---|--|

4.2.7 Format D12: Group Ticket

| | | |
|--|--|---|
| <p>14 Apr 2022 EUS - EDB</p> <p>LONDON EUSTON → EDINBURGH</p> <p>EUS → EDB</p> <p>TICKET TYPE: GroupSave 5 Single CAL SLEEPER SEAT ROUTE</p> <p>ADULT / CHILD 3 DEPART 21:15 RESERVATIONS See itinerary</p> <p>AA123456789</p> | <p>Itinerary - Mandatory reservations 14 April</p> <p>21:15 Caledonian Sleeper</p> <p>From London Euston</p> <p>To Edinburgh</p> <p>Coach A Seat 05A</p> <p>Coach A Seat 03C</p> <p>Coach A Seat 03B</p> <p>Coach A Seat 03A</p> <p>Coach A Seat 02A</p> | <p>Ticket Details</p> <p>This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V</p> <p>Information relating to compensation in the event of disruption can be found here</p> <p>Issued subject to the National Rail Conditions of Travel and CIV</p> <p>For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789</p> <p>Price £168.00</p> <p>Purchased on 10 April 2022</p> <p>NRS Booking Reference NRS4567</p> <p>Retailer Information</p> <p>Contact us by phone 0123456789</p> <p>Contact us online www.retailer.co.uk</p> <p>Contact us by email info@retailer-name.co.uk</p> |
|--|--|---|

4.2.8 Format D13: BritRail

| | |
|---|--|
| <p>BritRail VALID UNTIL 05 Nov 2021</p> <p>FIRST CLASS</p> <p>BritRail England Consecutive Pass</p> <p>RESIDENCY Canada VALID FROM 15 Oct 2021</p> <p>ADULT Mr A Andrews VALIDITY 22 Days Travel</p> <p>AA123456789</p> | <p>Ticket Details</p> <p>Issued to Mr A Andrews</p> <p>Passport Number: AB123456</p> <p>Canada</p> <p>Ticket Details:</p> <p>For more information where your BritRail Pass is valid go to www.BritRail.com</p> <p>The boundary stations are: Carlisle, Berwick upon Tweed, Lydney, Gloucester, Cheltenham, Hereford, Bucknell, Shrewsbury, Chirk, Crewe, Chester, West Kirby.</p> <p>To plan a journey, visit www.nationalrail.co.uk</p> <p>Ticket number: AA124567890</p> <p>Purchased on: 02 December 2020</p> |
|---|--|

5. Google Pay Pass Implementation

5.1 Introduction

- 5.1.1 Google Pay Passes are added to the Google Pay app on Android devices. The app holds passes for a variety of purposes, including tickets.
- 5.1.2 Google Pay Passes support features such as 'surfacing' based on a geographic location, or a date and time. Retailers may choose to make use of these features and improve the customer experience.
- 5.1.3 Each Format is delivered using the *transitClass* and *transitObject* templates.
- 5.1.4 The JSON Class and Object coding templates for each eTicket format have been moved to the accompanying 'Apple and Google JSON Files' spreadsheet to aid developers.

5.2 Reservations, itineraries and fare origin/destination

5.2.1 Issues

Google Pay Passes contain logic which drives the rendering of the top-level origin and destination text and CRS codes based on the *ticketLegs* data. This data is also used for the itinerary display. Unfortunately, this means that displaying '**fare**' origin and destination at the top-level and '**physical**' origin and destination text in the itinerary rendering is not possible. This leads to the following logic to be applied until a solution can be found.

5.2.2 Logic

If (no itinerary details to be displayed) {

// e.g. Anytime Single Theale to London Terminals, suggested itinerary to London Liverpool Street

Use the inbuilt logic via the *ticketLegs* data - Method A below.

} else if (**fare** origin and destination match the itinerary start and end locations) {

// e.g. Advance Ticket, mandatory reservation London Euston to Manchester Piccadilly

Use the inbuilt logic via the *ticketLegs* data - Method B below.

} else {

// e.g. Anytime Single Theale to London Terminals, suggested itinerary to London Paddington

Use *ticketLegs* data for the top-level text and CRS codes only. Use a text-based approach for *itinerary* details with {FIELD_E0006} and {FIELD_E0007} - Method C below.

}

The 'Object' sections later in the chapter omit the *ticketLegs* and *itinerary* data – these will need to be populated as per the logic explained above.

5.2.3 Methods

Method A: No itinerary

```
"ticketLegs": [
  {
    "originStationCode": "{FIELD_E0002}",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_00150}"
      }
    },
    "destinationStationCode": "{FIELD_E0003}",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_00126}"
      }
    }
  }
],
```

```
"ticketLegs": [
  {
    "originStationCode": "BUE",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "BURES"
      }
    },
    "destinationStationCode": "SUY",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "SUDBURY SUFFOLK"
      }
    }
  }
],
```

Method B: Fare matches itinerary

```
"ticketLegs": [
  {
    "originStationCode": "{FIELD_E0046}",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_E0012}"
      }
    },
    "departureDateTime": "{FIELD_E0048}",
    "transitOperatorName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_E0011}"
      }
    },
    "ticketSeat": {
      "seatAssignment": {
        "defaultValue": {
          "language": "en-GB",
          "value": "{FIELD_E0014}"
        }
      }
    },
    "destinationStationCode": "{FIELD_E0047}",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_E0013}"
      }
    },
    "arrivalDateTime": "{FIELD_E0049}"
  }
],
```

```
"ticketLegs": [
  {
    "originStationCode": "EUS",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "London Euston"
      }
    },
    "departureDateTime": "2021-01-20T13:00+00:00",
    "transitOperatorName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "Avanti West Coast"
      }
    },
    "ticketSeat": {
      "seatAssignment": {
        "defaultValue": {
          "language": "en-GB",
          "value": "Coach A Seat 01F"
        }
      }
    },
    "destinationStationCode": "MAN",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "Manchester Piccadilly"
      }
    },
    "arrivalDateTime": "2021-01-20T15:45+00:00"
  }
],
```

Method C: Fare differs from itinerary

```
"textModulesData": [
  {
    "id": "itinerary",
    "localizedHeader": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_E0006}"
      }
    },
    "localizedBody": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_E0007}"
      }
    }
  },
],
"ticketLegs": [
  {
    "originStationCode": "{FIELD_E0002}",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_00150}"
      }
    },
    "destinationStationCode": "{FIELD_E0003}",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "{FIELD_00126}"
      }
    }
  }
],
```

```
"textModulesData": [
  {
    "id": "itinerary",
    "localizedHeader": {
      "defaultValue": {
        "language": "en-GB",
        "value": "Itinerary - Mandatory  
Reservations 20 January:"
      }
    },
    "localizedBody": {
      "defaultValue": {
        "language": "en-GB",
        "value": "13:12 Avanti West Coast  
\r\nFrom London Euston \r\nTo Manchester  
Picadilly \r\nCoach A Seat 01F"
      }
    }
  },
],
"ticketLegs": [
  {
    "originStationCode": "LON",
    "originName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "LONDON TERMINALS"
      }
    },
    "destinationStationCode": "MCR",
    "destinationName": {
      "defaultValue": {
        "language": "en-GB",
        "value": "MANCHESTER STNS"
      }
    }
  }
],
```

5.2.4 **Wallet view**

5.2.4.1 Below is an example of the Google Pay Passes list view.



5.3 Examples

5.3.1 Format D01: Walk Up

 National Rail
 HARTLEPOOL to SWANSEA

HLP → SWA

| | | |
|-----------------|-------------|----------------|
| TICKET TYPE | VALID FROM | ROUTE |
| Off-Peak Return | 28 Feb 2021 | NOT VIA LONDON |

| | |
|-------|-------------|
| ADULT | VALID UNTIL |
| - | 28 Feb 2021 |



AA123456789

If you are travelling by train wear a face covering (unless exempt) and follow the recommended guidance.
...

-  This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V
-  Information relating to compensation in the event of disruption can be found [here](#)
-  Issued subject to the National Rail Conditions of Travel and CIV

For refund information contact the retailer of your ticket

Ticket Number AA123456789

Price £172.40

Purchased on 05 February 2021

NRS Booking Reference N/A

Retailer Name
 Contact MyTrainRetailer by phone 01234 567 890
 Contact us online www.retailer-name.co.uk
 Contact us by email info@retailer-name.co.uk
 ...

5.3.2 Format D02: Season Ticket

 National Rail
 LONDON TERMINALS to MANCHESTER STNS

LON ↔ MCR

| | | |
|---------------|-------------|---------------|
| TICKET TYPE | VALID UNTIL | ROUTE |
| Season Ticket | 27 Feb 2022 | ANY PERMITTED |

| | | |
|-----------------|-----------|-------------|
| ADULT | PHOTOCARD | VALID FROM |
| Mr Neil Barkham | NGB1234 | 28 Feb 2021 |



AA123456789

Ticket Details:
-

-  Information relating to compensation in the event of disruption can be found [here](#)
-  Issued subject to the National Rail Conditions of Travel and CIV

For refund information contact the retailer of your ticket

Ticket Number AA123456789

Price £15856.00

Purchased on 20 February 2021

Retailer Name
 Contact MyTrainRetailer by phone 01234 567 890
 Contact us online www.retailer-name.co.uk
 Contact us by email info@retailer-name.co.uk
 ...

5.3.3 Format D03: Supplement

| | | | | | | | |
|--|-------------|-------------|-------------|-----|-------------|-------------|--|
|  National Rail Car Parking VALID ONLY WITH TICKET VEHICLE REG NUMBER BB123456789 HT06 XEK <table border="0"> <tr> <td>Direction</td> <td>VALID FROM</td> <td>VALID UNTIL</td> </tr> <tr> <td>OUT</td> <td>01 Aug 2022</td> <td>02 Aug 2022</td> </tr> </table> <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">AA123456789</p> | Direction | VALID FROM | VALID UNTIL | OUT | 01 Aug 2022 | 02 Aug 2022 | <p> Issued subject to the National Rail Conditions of Travel and CIV</p> <p>For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789</p> <p>Price £8.40</p> <p>Purchased on 25 July 2022</p> <p>Retailer Name BarkSoft</p> |
| Direction | VALID FROM | VALID UNTIL | | | | | |
| OUT | 01 Aug 2022 | 02 Aug 2022 | | | | | |

5.3.4 Format D04: PlusBus

| | |
|---|--|
|  National Rail Basildon PlusBus TICKET TYPE VALID ON PlusBus Day 01 Jun 2022 ADULT 16-25 Railcard <div style="text-align: center; margin: 10px 0;">  </div> <p style="text-align: center;">AA123456789</p> | <p>DETAILS</p> <p> More information about your PlusBus ticket can be found here</p> <p> Issued subject to the National Rail Conditions of Travel and CIV</p> <p>For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789</p> <p>Price £2.50</p> <p>Purchased on 05 May 2022</p> <p>Retailer Name BarkSoft</p> <p><small>The pass provider or merchant is responsible for the info on this pass and may send you notifications. Contact them with any questions.</small></p> |
|---|--|

5.3.5 Format D10: Advance Ticket (with 1 reserved leg)

National Rail

LONDON EUSTON to MANCHESTER PICADILLY

EUS → MAN

| | | |
|----------------|-------------|-------------------|
| TICKET TYPE | VALID FROM | ROUTE |
| Advance Single | 20 Jan 2021 | AVANTI WEST COAST |

| | | |
|------------------------------|--------|------------|
| ADULT | DEPART | COACH/SEAT |
| Family & Friends Railcard | 13:00 | B/27B |

AA123456789

London Euston 13:00

AVANTI WEST COAST

Coach B Seat 27B

Manchester Picadilly 15:45

This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V

Information relating to compensation in the event of disruption can be found [here](#)

(Issued subject to the National Rail Conditions of Travel and CIV)

For refund information contact the retailer of your ticket

Ticket Number AA123456789

Price £34.50

Purchased on 18 January 2021

NRS Booking Reference RARS2123

Retailer Name
Contact MyTrainRetailer by phone 01234 567 890
Contact us online www.retailer-name.co.uk
Contact us by email info@retailer-name.co.uk
...

5.3.6 Format D11: Advance Ticket (with 2 or more reserved legs)

National Rail

Swansea to Hartlepool

SWA → HPL

| | | |
|----------------|-------------|------------------|
| TICKET TYPE | VALID FROM | ROUTE |
| Advance Single | 20 Jan 2021 | XC & CONNECTIONS |

| | | |
|-------|--------|---------------|
| CHILD | DEPART | RESERVATIONS |
| - | 12:54 | See Itinerary |

AA123456789

| | | |
|--|--|-------|
| | Swansea Transport for Wales | 12:53 |
| | No specific seat | |
| | Cardiff Central | 13:30 |
| | Transfer | |
| | Cardiff Central Great Western Railway | 13:55 |
| | Coach D Seat 12B | |
| | Bristol Parkway | 14:30 |
| | Transfer | |
| | Bristol Parkway CrossCountry | 14:40 |
| | Coach C Seat 10F | |
| | York | 18:30 |
| | Transfer | |
| | York Grand Central Railway | 18:42 |
| | Coach B Seat 20B | |
| | Hartlepool | 19:50 |

This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V

Information relating to compensation in the event of disruption can be found [here](#)

Issued subject to the National Rail Conditions of Travel and CIV)

For refund information contact the retailer of your ticket

Ticket Number AA123456789

Price £34.85

Purchased on 18 January 2021

NRS Booking Reference RARS2123

Retailer Name
Contact MyTrainRetailer by phone 01234 567 890
Contact us online www.retailer-name.co.uk
Contact us by email info@retailer-name.co.uk
...

5.3.7 Format D12: Group Ticket

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------|-------|-------------|-------------|-------------|--------|--|------|-------------------|--------|--------------|---|-------|---------------|---|---|----------------------|-------|--|--------------------|--|--|--|--|---|------------------|-------|---|----------|--|---|------------------|-------|--|----------|------------------|---|-------------------|-------|---|
|  National Rail London Euston to Carnoustie <h1>EUS → CAN</h1> <table border="0"> <tr> <td>TICKET TYPE</td> <td>VALID FROM</td> <td>ROUTE</td> </tr> <tr> <td>Groupsave 5</td> <td>14 Apr 2020</td> <td>CAL SLEEPER</td> </tr> <tr> <td>Single</td> <td></td> <td>SEAT</td> </tr> </table> <hr/> <table border="0"> <tr> <td>ADULT 2 / CHILD 3</td> <td>DEPART</td> <td>RESERVATIONS</td> </tr> <tr> <td>-</td> <td>21:15</td> <td>See Itinerary</td> </tr> </table> <div style="text-align: center;">  AA123456789 </div> | TICKET TYPE | VALID FROM | ROUTE | Groupsave 5 | 14 Apr 2020 | CAL SLEEPER | Single | | SEAT | ADULT 2 / CHILD 3 | DEPART | RESERVATIONS | - | 21:15 | See Itinerary | <table border="0"> <tr> <td></td> <td>London Euston</td> <td>21:15</td> </tr> <tr> <td></td> <td colspan="2">Caledonian Sleeper</td> </tr> <tr> <td></td> <td colspan="2">Coach A Seat 05A, Coach A Seat 03C, Coach A Seat 03B, Coach A Seat 03A, Coach A Seat 02A</td> </tr> <tr> <td></td> <td>Edinburgh</td> <td>05:50</td> </tr> <tr> <td></td> <td colspan="2">Transfer</td> </tr> <tr> <td></td> <td>Edinburgh</td> <td>06:42</td> </tr> <tr> <td></td> <td>Scotrail</td> <td>No specific seat</td> </tr> <tr> <td></td> <td>Carnoustie</td> <td>07:51</td> </tr> </table> |  | London Euston | 21:15 | | Caledonian Sleeper | | | Coach A Seat 05A, Coach A Seat 03C, Coach A Seat 03B, Coach A Seat 03A, Coach A Seat 02A | |  | Edinburgh | 05:50 |  | Transfer | |  | Edinburgh | 06:42 | | Scotrail | No specific seat |  | Carnoustie | 07:51 | <p> This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/2V</p> <p> Information relating to compensation in the event of disruption can be found here</p> <p> Issued subject to the National Rail Conditions of Travel and CIV</p> <p>For refund information contact the retailer of your ticket</p> <p>Ticket Number AA123456789</p> <p>Price £155.50</p> <p>Purchased on 02 April 2021</p> <p>NRS Booking Reference RARS2123</p> <p>Retailer Name Contact MyTrainRetailer by phone 01234 567 890 Contact us online www.retailer-name.co.uk Contact us by email info@retailer-name.co.uk</p> <p>...</p> |
| TICKET TYPE | VALID FROM | ROUTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Groupsave 5 | 14 Apr 2020 | CAL SLEEPER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Single | | SEAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADULT 2 / CHILD 3 | DEPART | RESERVATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | 21:15 | See Itinerary | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | London Euston | 21:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Caledonian Sleeper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Coach A Seat 05A, Coach A Seat 03C, Coach A Seat 03B, Coach A Seat 03A, Coach A Seat 02A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Edinburgh | 05:50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Transfer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Edinburgh | 06:42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Scotrail | No specific seat | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Carnoustie | 07:51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

5.3.8 Format D13: BritRail

The BritRail Format is not currently defined. If you're interested in developing for this product then please contact RDG.

6. PDF Implementation (for display on screen)

6.1 Introduction

- 6.1.1 The remaining subsections in this section define the formatting and positioning of data items where the PDF implementation of eTicket is to be used for display on a device screen.
- 6.1.2 All measurements for position are from the top left-hand corner of the associated Block.
- 6.1.3 The ATOC Rail Alphabet² font is to be used for the Header Block. Other Blocks are to use the Calibri font.
- 6.1.4 If a journey contains 6 or more legs, the eTicket should be split across two pages – the second page should commence with the Ticket Details block. Although this approach is detrimental to the PDF appearance on screen, it avoids sizing issues should a customer choose to print the eTicket.
- 6.1.5 The text representation for the Itinerary Blocks for Formats D01, D10, and D11 for this implementation differs to the Apple Wallet Pass and Google Pay Pass implementations due to the size constraints of the latter.

² Available for download from ASSIST

6.2 Format D01: Walk Up

6.2.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | N/A | 3,40 | 7 | 7 |
| Field E0040 | Start date of validity | None | | Left | 9.5 | 15,40 | 5 | 19 |
| Field E0001 | CRS code journey summary | None | | Right | 9.5 | 35,40 | 5 | 22 |
| Field 00150 | Location (Origin) | None | | Left | 6 | 3,48 | 3 | 25 |
| Field 00126 | Location (Destination) | None | | Right | 6 | 32,48 | 3 | 25 |
| Field E0002 | CRS Code Fare Origin location | None | | Left | 21 | 3,51 | 9 | 22 |
| Literal E0004 | Directional Arrow | None | | Centre | 18 | 25,50 | 9 | 10 |
| Field E0003 | CRS Code Fare Destination location | None | | Right | 21 | 35,51 | 9 | 22 |
| Field E0052 | Ticket Type label or Excess information | None | | Left | 6 | 3,62 | 3 | 15 |
| Field E0053 | Route label or Excess reference | None | | Right | 6 | 50,62 | 3 | 7 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 3,65 | 3 | 30 |
| Field E0039 | Route Details | None | | Right | 7 | 35,65 | 3 | 22 |
| Field E0004 | ADULT / CHILD | None | | Left | 6 | 3,70 | 3 | 28 |
| Literal E0029 | "VALID UNTIL" | None | | Right | 6 | 42,70 | 3 | 15 |
| Field E0005 | Status details | None | | Left | 7 | 3,73 | 3 | 28 |
| Field E0038 | Date of Expiry/Valid until | None | | Right | 7 | 42,73 | 3 | 15 |

6.2.2 Itinerary Block (Text Representation)

6.2.2.1 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---------------------|--------------------|-------|-------|--------------------|---|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | N/A | N/A | 0,0 | Dependant on 'n' number of legs = 30 + 15(n-1) | 60 |
| Field E0006 | Reservations Header | None | Bold | | 7 | 3,2 | 3 | 54 |
| Field E0007 | Reservations (Text) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Departure Time" = 3,[6 + 15(n-1)] "TOC" = 10,[6 + 15(n-1)] "From" = 3,[9 + 15(n-1)] "Leg Origin" = 9,[9 + 15(n-1)] "To" = 3,[12 + 15(n-1)] "Leg Destination" = 7,[12 + 15(n-1)] "Seat/Berth/Room" = 3,[15 + 15(n-1)] | "Departure Time" = 3 "TOC" = 3 "From" = 3 "Leg Origin" = 3 "To" = 3 "Leg Destination" = 3 "Seat/berth" = 3 | "Departure Time" = 7 "TOC" = 44 "From" = 6 "Leg Origin" = 48 "To" = 4 "Leg Destination" = 50 "Seat/berth" = 54 |

6.2.3 Itinerary (Visual Representation)

6.2.3.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------|--------------------|-------|-------|--------------------|--|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | Left | N/A | 0,0 | Dependant on 'n' number of legs $n \text{ legs} = 30 + 15(n-1)$ | 60 |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0008 | Reservations (Visual) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Leg Origin" = 10,6 "Leg Departure Time" = 12,[10 + 15(n-1)] "Leg TOC" = 12,[14 + 15(n-1)] "Leg Seat/Berth" = 39,[14 + (15(n-1))] "Leg Arrival Time" = 12, [22 + (15(n-1))] "Leg Destination" = 10,[25 + 15(n-1)] | "Leg Origin" = 4 "Leg Departure Time" = 3 "Leg TOC" = 3 "Leg Seat/Berth" = 3 "Leg Arrival Time" = 3 "Leg Destination" = 4 | "Leg Origin" = 54 "Leg Departure Time" = 15 "Leg TOC" = 25 "Leg Seat/Berth" = 20 "Leg Arrival Time" = 15 "Leg Destination" = 54 |

6.2.4 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0016 | Restriction Details | None | | Left | 7 | 3,6 | 7 | 54 |
| Field E0017 | Compensation Pages | None | | Left | 7 | 3,14 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,22 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,30 | 10 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,40 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,40 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 3,44 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,44 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,48 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,48 | 3 | 20 |
| Literal E0040 | "NRS Booking Reference" | None | | Left | 7 | | 3 | |
| Field 00142 | NRS/RARS Booking Reference number | None | | Left | 7 | | 3 | |

6.2.5 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.3 Format D02: Season Ticket

6.3.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------------|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00053 | National Rail logo | None | N/A | Left | N/A | 3,40 | 7 | 7 |
| Field E0023 | End of Validity Details | None | | Left | 10 | 15,40 | 5 | 35 |
| Field 00150 | Location (Origin) | None | | Left | 6 | 3,48 | 3 | 25 |
| Field 00126 | Location (Destination) | None | | Right | 6 | 32,48 | 3 | 25 |
| Field E0002 | CRS Code Fare Origin location | None | | Left | 21 | 3,51 | 9 | 22 |
| Literal E0012 | Bidirectional Arrow | None | | Centre | 18 | 37,53 | 5 | 7 |
| Field E0003 | CRS Code Fare Destination location | None | | Right | 21 | 45,53 | 9 | 22 |
| Literal E0028 | "TICKET TYPE" | None | | Left | 6 | 13,65 | 6 | 15 |
| Literal E0027 | "ROUTE" | None | | Right | 6 | 60,65 | 6 | 7 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 13,68 | 6 | 30 |
| Field E0039 | Route Details | None | | Right | 7 | 45,68 | 6 | 22 |
| Field E0004 | ADULT / CHILD | None | | Left | 6 | 13,73 | 6 | 15 |
| Literal E0013 | "PHOTOCARD" | None | | Left | 6 | 34,73 | 6 | 15 |
| Literal E0014 | "VALID FROM" | None | | Right | 6 | 55,73 | 6 | 12 |
| Field 00140 | Name of Ticket Holder | None | | | 7 | 13,76 | 6 | 30 |
| Field 00153 | Photocard ID | None | | Left | 7 | 34,76 | 6 | 15 |
| Field E0040 | Start date of validity | None | | Right | 7 | 55,76 | 6 | 12 |

6.3.2 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 18 |
| Field E0032 | Ticket Replacement Reason | None | Bold | Right | 7 | 51,85 | 3 | 16 |
| Field E0005 | Status details | None | | Left | 7 | 13,89 | 6 | 56 |
| Field E0016 | Restriction Details | None | | Left | 7 | 13, 95 | 7 | 54 |
| Field E0017 | Compensation Pages | None | | Left | 7 | 13, 103 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 13,111 | 6 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 13,118 | 6 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 13, 126 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 29,126 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 13,130 | 3 | 6 |
| Field 00155 | Price | None | | Left | 7 | 19,130 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 13, 134 | 3 | 14 |
| Field E0021 | Purchase Date | None | | Left | 7 | 28,134 | 3 | 20 |

6.3.3 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.4 Format D03: Supplement

6.4.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | N/A | 3,37 | 7 | 7 |
| Field 00320 | Valid On or Valid From | None | | Right | 7 | 15,40 | 3 | 42 |
| Field 00295 | Start date of validity | None | | Right | 10 | 37,43 | 5 | 20 |
| Literal 00116 | "SUPPLEMENT" | None | | Left | 7 | 3,48 | 3 | 25 |
| Field 00321 | Supplement summary | None | | Left | 11 | 3,52 | 10 | 50 |
| Field 00322 | "VALID ONLY WITH TICKET" | None | | Left | 6 | 3,62 | 3 | 30 |
| Field 00311 | Registration number label | None | | Right | 6 | 27,62 | 3 | 30 |
| Field 00101 | Travel Ticket Number | None | | Left | 7 | 3,65 | 3 | 34 |
| Field 00158 | Registration Number | None | | Right | 7 | 40,65 | 3 | 17 |
| Field 00323 | For use on direction label | None | | Left | 6 | 3,70 | 3 | 40 |
| Field 00324 | Valid until label | None | | Right | 6 | 42,70 | 3 | 15 |
| Field K_D | TABLE K_D | None | | Left | 7 | 3,73 | 3 | 30 |
| Field 00325 | Package valid until date | None | | Right | 7 | 42,73 | 3 | 15 |

6.4.2 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,8 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,16 | 7 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,26 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,26 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 3,30 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,30 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,34 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,34 | 3 | 20 |

6.4.3 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.5 Format D04: PlusBus

6.5.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | 11 | 3,37 | 7 | 7 |
| Field 00320 | Valid On or Valid From | None | | Right | 7 | 42,40 | 3 | 15 |
| Field 00295 | Start date of validity | None | | Right | 10 | 37,43 | 5 | 20 |
| Field 00208 | Fare destination location | None | | Left | 14 | 3,49 | 9 | 30 |
| Image 00051 | PlusBus logo | None | | Right | N/A | 48,49 | 8 | 8 |
| Field E0052 | Ticket Type label or Excess information | None | | Left | 6 | 3,62 | 3 | 15 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 3,65 | 3 | 30 |
| Field E0004 | ADULT / CHILD | None | | Left | 6 | 3,70 | 3 | 28 |
| Field E0005 | Status details | None | | Left | 7 | 3,73 | 3 | 28 |

6.5.2 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field 00313 | PlusBus website information | None | | Left | 7 | 3,8 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,16 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,24 | 10 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,34 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,34 | 3 | 20 |

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|----------------|---------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0009 | "Price" | None | | Left | 7 | 3,38 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,38 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,42 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,42 | 3 | 20 |

6.5.3 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.6 Format D10: Advance Ticket (with 1 reserved leg)

6.6.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | 11 | 3,40 | 7 | 7 |
| Field E0040 | Start date of validity | None | | Left | 9.5 | 15,40 | 5 | 19 |
| Field E0001 | CRS code journey summary | None | | Right | 9.5 | 35,40 | 5 | 22 |
| Field 00150 | Location (Origin) | None | | Left | 6 | 3,48 | 3 | 25 |
| Field 00126 | Location (Destination) | None | | Right | 6 | 32,48 | 3 | 25 |
| Field E0002 | CRS Code Fare Origin location | None | | Left | 21 | 3,51 | 9 | 22 |
| Literal E0004 | Directional Arrow | None | | Centre | 18 | 25,50 | 9 | 10 |
| Field E0003 | CRS Code Fare Destination location | None | | Right | 21 | 35,51 | 9 | 22 |
| Field E0052 | Ticket Type label or Excess information | None | | Left | 6 | 3,62 | 3 | 15 |
| Field E0053 | Route label or Excess reference | None | | Right | 6 | 50,62 | 3 | 7 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 3,65 | 3 | 30 |
| Field E0039 | Route Details | None | | Right | 7 | 35,65 | 3 | 22 |
| Field E0004 | ADULT / CHILD | None | | Left | 6 | 3,70 | 3 | 28 |
| Literal E0015 | "DEPART" | None | | Centre | 6 | 31,70 | 3 | 10 |
| Literal E0026 | "COACH" | None | | Centre | 6 | 42,70 | 3 | 8 |
| Field E0024 | Seat/Berth | None | | Right | 6 | 50,70 | 3 | 7 |
| Field E0005 | Status details | None | | Left | 7 | 3,73 | 3 | 28 |
| Field E0042 | Time of First Train Departure | None | | Centre | 7 | 31,73 | 3 | 10 |
| Field E0025 | Coach Number | None | | Centre | 7 | 42,73 | 3 | 8 |
| Field E0043 | Seat / Berth / Room number | None | | Right | 7 | 51,73 | 3 | 6 |

6.6.2 Itinerary Block (Text Representation)

6.6.2.1 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---------------------|--------------------|-------|-------|--------------------|---|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | N/A | N/A | 0,0 | Dependant on 'n' number of legs = 30 + 15(n-1) | 60 |
| Field E0006 | Reservations Header | None | Bold | | 7 | 3,2 | 3 | 54 |
| Field E0007 | Reservations (Text) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Departure Time" = 3,[6 + 15(n-1)] "TOC" = 10,[6 + 15(n-1)] "From" = 3,[9 + 15(n-1)] "Leg Origin" = 9,[9 + 15(n-1)] "To" = 3,[12 + 15(n-1)] "Leg Destination" = 7,[12 + 15(n-1)] "Seat/Berth/Room" = 3,[15 + 15(n-1)] | "Departure Time" = 3 "TOC" = 3 "From" = 3 "Leg Origin" = 3 "To" = 3 "Leg Destination" = 3 "Seat/berth" = 3 | "Departure Time" = 7 "TOC" = 44 "From" = 6 "Leg Origin" = 48 "To" = 4 "Leg Destination" = 50 "Seat/berth" = 54 |

6.6.3 Itinerary (Visual Representation)

6.6.3.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------|--------------------|-------|-------|--------------------|--|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | Left | N/A | 0,0 | Dependant on 'n' number of legs $n \text{ legs} = 30 + 15(n-1)$ | 60 |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0008 | Reservations (Visual) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Leg Origin" = 10,6 "Leg Departure Time" = 12,[10 + 15(n-1)] "Leg TOC" = 12,[14 + 15(n-1)] "Leg Seat/Berth" = 39,[14 + (15(n-1))] "Leg Arrival Time" = 12, [18 + (15(n-1))] "Leg Destination" = 10,[21 + 15(n-1)] | "Leg Origin" = 4 "Leg Departure Time" = 3 "Leg TOC" = 3 "Leg Seat/Berth" = 3 "Leg Arrival Time" = 3 "Leg Destination" = 4 | "Leg Origin" = 54 "Leg Departure Time" = 15 "Leg TOC" = 25 "Leg Seat/Berth" = 20 "Leg Arrival Time" = 15 "Leg Destination" = 54 |

6.6.4 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0016 | Restriction Details | None | | Left | 7 | 3,6 | 7 | 54 |
| Field E0017 | Compensation Pages | None | | Left | 7 | 3,14 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,22 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,30 | 10 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,40 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,40 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 3,44 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,44 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,48 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,48 | 3 | 20 |
| Literal E0040 | "NRS Booking Reference" | None | | Left | 7 | | 3 | |
| Field 00142 | NRS/RARS Booking Reference number | None | | Left | 7 | | 3 | |

6.6.5 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.7 Format D11: Advance Ticket (with 2 or more reserved legs)

6.7.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | 11 | 3,40 | 7 | 7 |
| Field E0040 | Start date of validity | None | | Left | 9.5 | 15,40 | 5 | 19 |
| Field E0001 | CRS code journey summary | None | | Right | 9.5 | 35,40 | 5 | 22 |
| Field 00150 | Location (Origin) | None | | Left | 6 | 3,48 | 3 | 25 |
| Field 00126 | Location (Destination) | None | | Right | 6 | 32,48 | 3 | 25 |
| Field E0002 | CRS Code Fare Origin location | None | | Left | 21 | 3,51 | 9 | 22 |
| Literal E0004 | Directional Arrow | None | | Centre | 18 | 25,50 | 9 | 10 |
| Field E0003 | CRS Code Fare Destination location | None | | Right | 21 | 35,51 | 9 | 22 |
| Field E0052 | Ticket Type label or Excess information | None | | Left | 6 | 3,62 | 3 | 15 |
| Field E0053 | Route label or Excess reference | None | | Right | 6 | 50,62 | 3 | 7 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 3,65 | 3 | 30 |
| Field E0039 | Route Details | None | | Right | 7 | 35,65 | 3 | 22 |
| Field E0004 | ADULT / CHILD | None | | Left | 6 | 3,70 | 3 | 28 |
| Literal E0015 | "DEPART" | None | | Centre | 6 | 31,70 | 3 | 10 |
| Literal E0016 | "RESERVATIONS" | None | | Right | 6 | 41,70 | 3 | 16 |
| Field E0005 | Status details | None | | Left | 7 | 13,73 | 3 | 28 |
| Field E0042 | Time of First Train Departure | None | | Centre | 7 | 31,73 | 3 | 10 |
| Literal E0017 | "See Itinerary" | None | | Right | 7 | 41,73 | 3 | 16 |

6.7.2 Itinerary Block (Text Representation)

6.7.2.1 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---------------------|--------------------|-------|-------|--------------------|---|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | N/A | N/A | 0,0 | Dependant on 'n' number of legs = $30 + 15(n-1)$ | 60 |
| Field E0006 | Reservations Header | None | Bold | | 7 | 3,2 | 3 | 54 |
| Field E0007 | Reservations (Text) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Departure Time" = 3,[6 + 15(n-1)] "TOC" = 10,[6 + 15(n-1)] "From" = 3,[9 + 15(n-1)] "Leg Origin" = 9,[9 + 15(n-1)] "To" = 3,[12 + 15(n-1)] "Leg Destination" = 7,[12 + 15(n-1)] "Seat/Berth/Room" = 3,[15 + 15(n-1)] | "Departure Time" = 3 "TOC" = 3 "From" = 3 "Leg Origin" = 3 "To" = 3 "Leg Destination" = 3 "Seat/berth" = 3 | "Departure Time" = 7 "TOC" = 44 "From" = 6 "Leg Origin" = 48 "To" = 4 "Leg Destination" = 50 "Seat/berth" = 54 |

6.7.3 Itinerary (Visual Representation)

6.7.3.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------|--------------------|-------|-------|--------------------|--|--|--|
| Literal E0005 | Reservations border | 1-point solid line | N/A | Left | N/A | 0,0 | Dependant on 'n' number of legs $n \text{ legs} = 30 + 15(n-1)$ | 60 |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0008 | Reservations (Visual) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Leg Origin" = 10,6 "Leg Departure Time" = 12,[10 + 15(n-1)] "Leg TOC" = 12,[14 + 15(n-1)] "Leg Seat/Berth" = 39,[14 + (15(n-1))] "Leg Arrival Time" = 12, [18 + (15(n-1))] "Leg Destination" = 10,[21 + 15(n-1)] | "Leg Origin" = 4 "Leg Departure Time" = 3 "Leg TOC" = 3 "Leg Seat/Berth" = 3 "Leg Arrival Time" = 3 "Leg Destination" = 4 | "Leg Origin" = 54 "Leg Departure Time" = 15 "Leg TOC" = 25 "Leg Seat/Berth" = 20 "Leg Arrival Time" = 15 "Leg Destination" = 54 |

6.7.4 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0016 | Restriction Details | None | | Left | 7 | 3,6 | 7 | 54 |
| Field E0017 | Compensation Pages | None | | Left | 7 | 3,14 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,22 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,30 | 10 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,40 | 3 | 17 |

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------------------|---------|-------|-------|--------------------|-------------------|-------------|------------|
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,40 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 3,44 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,44 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,48 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,48 | 3 | 20 |
| Literal E0040 | "NRS Booking Reference" | None | | Left | 7 | | 3 | |
| Field 00142 | NRS/RARS Booking Reference number | None | | Left | 7 | | 3 | |

6.7.5 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.8 Format D12: Group Ticket

6.8.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|---|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,2 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,3 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,32 | 5 | 34 |
| Image 00052 | National Rail logo | None | N/A | Left | 11 | 3,40 | 7 | 7 |
| Field E0040 | Start date of validity | None | | Left | 9.5 | 15,40 | 5 | 19 |
| Field E0001 | CRS code journey summary | None | | Right | 9.5 | 35,40 | 5 | 22 |
| Field 00150 | Location (Origin) | None | | Left | 6 | 3,48 | 3 | 25 |
| Field 00126 | Location (Destination) | None | | Right | 6 | 32,48 | 3 | 25 |
| Field E0002 | CRS Code Fare Origin location | None | | Left | 21 | 3,51 | 9 | 22 |
| Literal E0004 | Directional Arrow | None | | Centre | 18 | 25,50 | 9 | 10 |
| Field E0003 | CRS Code Fare Destination location | None | | Right | 21 | 35,51 | 9 | 22 |
| Field E0052 | Ticket Type label or Excess information | None | | Left | 6 | 3,62 | 3 | 15 |
| Field E0053 | Route label or Excess reference | None | | Right | 6 | 50,62 | 3 | 7 |
| Field 00211 | Ticket Type Details | None | | Left | 7 | 3,65 | 3 | 30 |
| Field E0039 | Route Details | None | | Right | 7 | 35,65 | 3 | 22 |
| Field E0027 | Number of Adult / Child | None | | Left | 6 | 3,70 | 3 | 28 |
| Literal E0015 | "DEPART" | None | | Centre | 6 | 55,73 | 3 | 10 |
| Literal E0016 | "RESERVATIONS" | None | | Right | 6 | 41,70 | 3 | 16 |
| Field E0005 | Status details | None | | Left | 7 | 13,76 | 3 | 28 |
| Field E0042 | Time of First Train Departure | None | | Centre | 7 | 55,76 | 3 | 10 |
| Literal E0017 | "See Itinerary" | None | | Right | 7 | 41,73 | 3 | 16 |

6.8.2 Itinerary Block (Text Representation)

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|----------------------|--------------------|-------|-------|--------------------|--|--|------------|
| Literal E0005 | Reservations border | 1-point solid line | N/A | N/A | N/A | 0,0 | Dependant on 'n' number of legs $n \text{ legs} = 45 + 35(n-1)$ | 60 |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0009 | Reservations (Group) | None | | Left | 7 | Repeated for each leg. For 'n' legs with 'p' passengers, "Leg Departure Time" = $12, [20 + 36(n-1)]$ "Leg TOC" = $10, [6 + 36(n-1)]$ "Leg From" = $3, [9 + 36(n-1)]$ "Leg Origin" = $9, [9 + 36(n-1)]$ "Leg To" = $3, [12 + 36(n-1)]$ "Leg Destination" = $7, [12 + 36(n-1)]$ "Leg Passenger Seat/Berth" = $3, [(15 + 36(n-1)) + 3(p-1)]$ | | |

6.8.3 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|-----------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0006 | Ticket Details border | 1-point solid line | N/A | Left | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0016 | Restriction Details | None | | Left | 7 | 3,6 | 7 | 54 |
| Field E0017 | Compensation Pages | None | | Left | 7 | 3,14 | 7 | 54 |
| Field E0018 | NRCoT and CIV | None | | Left | 7 | 3,22 | 7 | 54 |
| Field E0019 | Refund Details | None | | Left | 7 | 3,30 | 10 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,40 | 3 | 17 |

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|---------|-------|-------|--------------------|-------------------|-------------|------------|
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,40 | 3 | 20 |
| Literal E0009 | "Price" | None | | Left | 7 | 3,44 | 3 | 7 |
| Field 00155 | Price | None | | Left | 7 | 9,44 | 3 | 10 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,48 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,48 | 3 | 20 |

6.8.4 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

6.9 Format D13: BritRail

6.9.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|--------|--------------------|-------------------|-------------|------------|
| Literal E0001 | Header Border | 1-point solid line | N/A | N/A | N/A | 0,0 | 80 | 60 |
| Image 00048 | BritRail Logo | None | | Left | N/A | 3,5 | 5 | 20 |
| Literal E0029 | “VALID UNTIL” | None | | Right | 6 | 41,5 | 3 | 16 |
| Field E0038 | Date of Expiry/Valid until | None | | Right | 8 | 41, 8 | 10 | 16 |
| Field E0028 | Class | None | | Left | 6 | 3,13 | 3 | 25 |
| Field E0041 | Rover Description | None | | Left | 11 | 3,16 | 10 | 50 |
| Literal E0019 | “RESIDENCY” | None | | Left | 6 | 3,27 | 3 | 30 |
| Literal E0020 | “VALID FROM” | None | | Right | 6 | 37,27 | 3 | 20 |
| Field E0029 | Country of Residence | None | | Left | 7 | 3,30 | 3 | 30 |
| Field E0040 | Start date of validity | None | | Right | 7 | 37,30 | 3 | 20 |
| Field E0030 | Adult / Child | None | | Left | 6 | 3,35 | 3 | 25 |
| Literal E0021 | “VALIDITY” | None | | Right | 6 | 32,35 | 3 | 25 |
| Field 00140 | Name of Ticket Holder | None | | Left | 7 | 3,38 | 3 | 30 |
| Field E0031 | Validity Details | None | | Right | 7 | 32,38 | 3 | 25 |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 13,42 | 35 | 34 |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 16,43 | 28 | 28 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 13,72 | 5 | 34 |

6.9.2 Passenger Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0022 | Passenger Details border | 1-point solid line | | Left | N/A | 0,0 | 20 | 60 |
| Literal E0023 | “Passenger Details: ” | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Literal 00055 | “Issued to” | None | | Left | 7 | 3,6 | 3 | 11 |
| Field E0033 | Passenger Name details | None | | Left | 7 | 14,6 | 3 | 43 |
| Literal E0025 | “Passport Number” | None | | Left | 7 | 3,10 | 3 | 19 |

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|-------------|----------------------|---------|-------|-------|--------------------|-------------------|-------------|------------|
| Field E0037 | ID details | None | | Left | 7 | 22,10 | 3 | 35 |
| Field E0029 | Country of Residence | None | | Left | 7 | 3,14 | 6 | 54 |

6.9.3 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|--------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0024 | Rover Details border | 1-point solid line | N/A | N/A | N/A | 0,0 | 55 | 60 |
| Literal E0007 | "Ticket Details: " | None | Bold | Left | 7 | 3,2 | 3 | 54 |
| Field E0034 | Validity Area Link | None | | Left | 7 | 3,6 | 7 | 54 |
| Field E0035 | Validity Area Summary | None | | Left | 7 | 3,14 | 14 | 54 |
| Field E0036 | Travel information | None | | Left | 7 | 3,29 | 7 | 54 |
| Literal E0008 | "Ticket Number" | None | | Left | 7 | 3,39 | 3 | 17 |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 7 | 19,39 | 3 | 20 |
| Literal E0010 | "Purchased on" | None | | Left | 7 | 3,47 | 3 | 17 |
| Field E0021 | Purchase Date | None | | Left | 7 | 18,47 | 3 | 20 |

6.9.4 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) |
|---------------|------------------------------|--------------------|-------|-------|--------------------|-------------------|-------------|------------|
| Literal E0011 | Customer Information Border | 1-point solid line | N/A | N/A | N/A | 0,0 | Up to 60 | 60 |
| Field E0022 | Customer Support Information | | | | | | | |

7. PDF Implementation (print-friendly)

7.1 Introduction

- 7.1.1 Each block subsections in section 8 define the formatting and positioning of data items where the eTicket is to be printed by a customer. This implementation replaces the self-print implementation in [RSPS3008](#): 'Ticketing Specification - Self Print'.
- 7.1.2 The print-friendly implementation is intended for print on an A4 sized paper. Where the PDF Implementation (print-friendly) is offered to a customer, they must be advised that the ticket must be printed.
- 7.1.3 All measurements for position are from the top left-hand corner of the page. All writing, lines, pictures etc. are to be in black, unless otherwise stated in the eTicket Colour Values.
- 7.1.4 The ATOC Rail Alphabet³ font is to be used for the Header Block. Other Blocks are to use the Calibri font.
- 7.1.5 No background colour is to be applied to any of the formats. This is to save the customer printing ink.
- 7.1.6 All texts and images in the 'Ticket Details' and 'Contact Information' blocks must be rotated by 180 degrees.
- 7.1.7 As the number of characters for the Data items – 'Location (Origin) and the Location (Destination)' will differ (the longest being around 36 characters), the font size will be variable and will be able to fit on two lines.
- 7.1.7.1 If a journey contains 6 or more legs, it should continue onto the 'Ticket Details' block.

³ Available for download from ASSIST

7.2 Format D01: Walk Up

7.2.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|---|----------------------|-------|--------|----------------------------------|-------------------|-------------|------------|-------|
| Field E0004 | ADULT / CHILD | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Field 00115 | Class Details | None | Bold | Right | 14 | 165, 7 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 82 | 9 | 9 | M |
| Field E0040 | Start Date of Validity | None | N/A | Left | 14 | 122, 85 | 6 | 29 | M |
| Field E0001 | CRS code journey summary | None | N/A | Right | 14 | 174, 85 | 6 | 31 | M |
| Field 00207 | Location (Origin) | None | N/A | Left | Variable Max- 20; Min – 10 | 109, 96 | 11 | 43 | M |
| Literal E0004 | Directional Arrow | None | N/A | Centre | 18 | 153, 96 | 9 | 8 | M |
| Field 00208 | Location (Destination) | None | N/A | Right | Variable Max- 20; Min – 10 | 162, 96 | 11 | 43 | M |
| Field E0052 | Ticket Type label or Excess information | None | N/A | Left | 11 | 109, 111 | 4 | 23 | M |
| Field E0053 | Route label or Excess reference | None | N/A | Right | 11 | 192, 111 | 4 | 13 | M |
| Field 00211 | Ticket Type Details | None | N/A | Left | 12 | 109, 117 | 10 | 67 | M |
| Field E0039 | Route Details | None | N/A | Right | 12 | 166, 117 | 10 | 39 | M |
| Literal E0038 | “DISCOUNT” | None | N/A | Left | 11 | 109, 129 | 4 | 19 | M |
| Literal E0029 | “VALID UNTIL” | None | N/A | Right | 11 | 182, 129 | 4 | 23 | M |
| Field E0005 | Status details | None | N/A | Left | 12 | 109, 135 | 10 | 49 | C |
| Field E0038 | Date of Expiry/Valid until | None | N/A | Right | 12 | 182, 135 | 6 | 23 | M |

7.2.2 Itinerary Block (Text Representation)

7.2.3 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|--|---|---|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 10 | 7, 15 | 5 | 90 | C |
| Field E0007 | Reservations (Text) | None | | Left | 10 | Repeated for each leg. For 'n' legs, "Departure Time" = 10,[23 + 24(n-1)] "From" = 19, [23 + 24(n-1)] "Leg Origin" = 28,[23 + 24(n-1)] "TOC" = 29,[29 + 24(n-1)] "Seat/Berth/Room" = 77 ,[29 + 24(n-1)] "Leg Arrival Time" = 10, [35 + 24(n-1)] "To" = 19,[35 + 24(n-1)] "Leg Destination" = 28,[35 + 24(n-1)] | "Departure Time" = 5 "From" = 5 "Leg Origin" = 5 "TOC" = 5 "Seat/Berth/Room" = 5 "Leg Arrival Time" = 5 "To" = 5 "Leg Destination" = 5 | "Departure Time" = 9 "From" = 8 "Leg Origin" = 73 "TOC" = 45 "Seat/Berth/Room" = 26 "Leg Arrival Time" = 9 "To" = 5 "Leg Destination" = 73 | C |

7.2.4 Itinerary (Visual Representation)

7.2.4.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|---|--|--|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 10 | 7, 15 | 7 | 90 | C |
| Field E0008 | Reservations (Visual) | None | | Left | 10 | Repeated for each leg. For 'n' legs, "Leg Origin" = 28, 23 (Leg 1 only) "Leg Departure Time" = 10,[23 + 20(n-1)] "Leg TOC" = 30,[29 + 20(n-1)] "Leg Seat/Berth" = 77,[29 + 20(n-1)] "Leg Arrival Time" = 10, [38 + 20(n-1)] "Leg Destination" = 28,[43 + 20(n-1)] | "Leg Origin" = 5 "Leg Departure Time" = 4 "Leg TOC" = 5 "Leg Seat/Berth" = 5 "Leg Arrival Time" = 4 "Leg Destination" = 5 | "Leg Origin" = 73 "Leg Departure Time" = 9 "Leg TOC" = 45 "Leg Seat/Berth" = 26 "Leg Arrival Time" = 9 "Leg Destination" = 73 | |

7.2.5 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0016 | Restriction Details | None | N/A | Left | 11 | 8, 268 | 12 | 89 | C |
| Field E0017 | Compensation Pages | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 238 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 223 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 216 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 216 | 5 | 23 | M |
| Literal E0009 | "Price" | None | N/A | Left | 11 | 87, 210 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73, 210 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 204 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 204 | 5 | 27 | M |
| Literal E0040 | "NRS Booking Reference" | None | N/A | Left | 11 | 58, 198 | 5 | 39 | C |
| Field 00142 | NRS/RARS Booking Reference number | None | N/A | Left | 11 | 42, 198 | 5 | 15 | C |

7.2.6 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.3 Format D02: Season Ticket

7.3.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|--------|----------------------------------|-------------------|-------------|------------|-------|
| Field E0004 | ADULT / CHILD | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Field 00115 | Class Details | None | Bold | Right | 14 | 165, 7 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Image 00053 | National Rail logo | None | N/A | Left | 18 | 109, 82 | 9 | 9 | M |
| Field E0023 | End of Validity Details | None | N/A | Left | 14 | 137, 84 | 6 | 48 | M |
| Field 00207 | Location (Origin) | None | N/A | Left | Variable Max- 20; Min – 10 | 109, 96 | 11 | 43 | M |
| Literal E0012 | Bidirectional Arrow | N/A | N/A | N/A | N/A | 151, 97 | 7 | 12 | M |
| Field 00208 | Location (Destination) | None | N/A | Right | Variable Max- 20; Min – 10 | 162, 96 | 11 | 43 | M |
| Literal E0028 | “TICKET TYPE” | None | N/A | Left | 11 | 109, 111 | 4 | 23 | M |
| Literal E0027 | “ROUTE” | None | N/A | Right | 11 | 192, 111 | 4 | 13 | M |
| Field 00211 | Ticket Type Details | None | N/A | Left | 12 | 109, 117 | 10 | 67 | M |
| Field E0039 | Route Details | None | N/A | Right | 12 | 166, 117 | 10 | 39 | M |
| Field E0004 | ADULT / CHILD | None | N/A | Left | 11 | 109, 129 | 4 | 19 | M |
| Literal E0013 | “PHOTOCARD” | None | N/A | Left | 11 | 148, 129 | 6 | 28 | M |
| Literal E0014 | “VALID FROM” | None | N/A | Right | 11 | 182, 129 | 4 | 23 | M |
| Field 00140 | Name of Ticket Holder | None | N/A | Left | 12 | 109, 135 | 10 | 40 | M |
| Field 00153 | Photocard ID | None | N/A | Left | 12 | 152, 135 | 6 | 19 | M |
| Field E0040 | Start Date of Validity | None | N/A | Right | 12 | 182, 135 | 6 | 23 | M |

7.3.2 Notes Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0036 | "Notes" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | O |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |

7.3.3 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Field E0032 | Ticket Replacement Reason | None | Bold | Right | 11 | 5, 285 | 6 | 40 | C |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0005 | Status details | None | | Left | 11 | 12,270 | 12 | 89 | C |
| Field E0016 | Restriction Details | None | | Left | 7 | 12, 255 | 12 | 89 | C |
| Field E0017 | Compensation Pages | None | | Left | 11 | 12, 240 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | | Left | 11 | 12, 225 | 12 | 89 | M |
| Field E0019 | Refund Details | None | | Left | 11 | 12,210 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | | Left | 11 | 74, 202 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Left | 11 | 51, 202 | 5 | 23 | M |
| Literal E0009 | "Price" | None | | Left | 11 | 89, 196 | 5 | 10 | M |
| Field 00155 | Price | None | | Left | 11 | 75, 196 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | | Left | 11 | 75, 190 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | | Left | 11 | 48, 190 | 5 | 27 | M |

7.3.4 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.4 Format D03: Supplement

7.4.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|--------|--------------------|-------------------|-------------|------------|-------|
| Literal E0031 | Black underline | 1.5-point solid line | | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Field 00320 | Valid On or Valid From | None | N/A | Right | 11 | 175,79 | 4 | 30 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 80 | 9 | 9 | M |
| Field 00295 | Start Date of Validity | None | N/A | Right | 12 | 175,85 | 6 | 30 | M |
| Literal 00116 | "SUPPLEMENT" | None | N/A | Left | 11 | 109,93 | 4 | 40 | M |
| Field 00321 | Supplement summary | None | N/A | Left | 16 | 109, 100 | 9 | 97 | M |
| Field 00322 | "VALID ONLY WITH TICKET" | None | N/A | Left | 11 | 109, 111 | 4 | 23 | M |
| Field 00311 | Registration number label | None | N/A | Right | 11 | 180,111 | 4 | 25 | M |
| Field 00101 | Travel Ticket Number | None | N/A | Left | 12 | 109, 117 | 6 | 30 | M |
| Field 00158 | Registration Number | None | N/A | Right | 12 | 182,117 | 6 | 23 | M |
| Field 00323 | For use on direction label | None | N/A | Left | 11 | 109,129 | 4 | 15 | M |
| Field 00324 | Valid until label | None | N/A | Right | 11 | 182,129 | 4 | 23 | M |
| Field K_D | Table K_D | None | N/A | Left | 12 | 109,135 | 6 | 15 | M |
| Field 00325 | Package valid until date | None | N/A | Right | 12 | 182,135 | 6 | 23 | M |

7.4.2 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 283 | 0 | 100 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 268 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 246 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 246 | 5 | 23 | M |
| Literal E0009 | Price: | None | N/A | Left | 11 | 27,240 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73,240 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73,234 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 234 | 5 | 27 | M |

7.4.3 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 283 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.5 Format D04: PlusBus

7.5.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|---|----------------------|-------|--------|--------------------|-------------------|-------------|------------|-------|
| Literal E0031 | Black underline | 1.5-point solid line | | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Field 00320 | Valid On or From | None | N/A | Right | 11 | 175,79 | 4 | 30 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 80 | 9 | 9 | M |
| Field 00295 | Start Date of Validity | None | N/A | Left | 12 | 175,85 | 6 | 30 | M |
| Field 00208 | Location (Destination) | None | Bold | Left | 16 | 109,100 | 9 | 97 | M |
| Image 00051 | PlusBus logo | None | N/A | Left | 11 | 190,100 | 12 | 12 | M |
| Field E0052 | Ticket Type label or Excess information | None | N/A | Left | 11 | 109, 111 | 4 | 30 | M |
| Field 00211 | Ticket Type Details | None | N/A | Left | 12 | 109, 117 | 6 | 30 | M |
| Field E0004 | ADULT / CHILD | None | N/A | Left | 11 | 109, 129 | 6 | 15 | M |
| Field 00261 | Status details | None | N/A | Left | 12 | 109,135 | 10 | 49 | M |

7.5.2 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 283 | 0 | 100 | M |
| Field 00313 | PlusBus website information | None | N/A | Left | 11 | 8, 268 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 238 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 216 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 216 | 5 | 23 | M |
| Literal E0009 | "Price" | None | N/A | Left | 11 | 87, 210 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73, 210 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 204 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 204 | 5 | 27 | M |

7.5.3 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 283 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.6 Format D10: Advance Ticket (with 1 reserved leg)

7.6.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|--------|----------------------------|-------------------|-------------|------------|-------|
| Field E0004 | ADULT / CHILD | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Field 00115 | Class Details | None | Bold | Right | 14 | 165, 7 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 82 | 9 | 9 | M |
| Field E0040 | Start date of validity | None | N/A | Left | 14 | 122, 85 | 6 | 29 | M |
| Field E0001 | CRS code journey summary | None | N/A | Right | 14 | 174, 85 | 6 | 31 | M |
| Field 00207 | Location (Origin) | None | N/A | Left | Variable Max- 20; Min – 10 | 109, 96 | 11 | 43 | M |
| Literal E0004 | Directional Arrow | None | N/A | Centre | 18 | 153, 96 | 9 | 8 | M |
| Field 00208 | Location (Destination) | None | N/A | Right | Variable Max- 20; Min – 10 | 162, 96 | 11 | 43 | M |
| Field E0052 | Ticket Type or Excess information | None | N/A | Left | 11 | 109, 111 | 4 | 23 | M |
| Field E0053 | Route label or Excess reference | None | N/A | Right | 11 | 192, 111 | 4 | 13 | M |
| Field 00211 | Ticket Type Details | None | N/A | Left | 12 | 109, 117 | 10 | 67 | M |
| Field E0039 | Route Details | None | N/A | Right | 12 | 166, 117 | 10 | 39 | M |
| Literal E0038 | “DISCOUNT” | None | N/A | Left | 11 | 109, 129 | 4 | 19 | M |
| Literal E0015 | “DEPART” | None | N/A | Centre | 11 | 159,129 | 4 | 14 | M |
| Literal E0026 | “COACH” | None | N/A | Centre | 11 | 177,129 | 4 | 13 | M |
| Field E0024 | Seat/Berth | None | N/A | Right | 11 | 191,129 | 4 | 13 | M |
| Field E0005 | Status details | None | N/A | Left | 12 | 109, 135 | 10 | 49 | C |
| Field E0042 | Time of First Train Departure | None | N/A | Centre | 12 | 159, 135 | 6 | 13 | M |
| Field E0025 | Coach Number | None | N/A | Centre | 12 | 180, 135 | 6 | 5 | M |
| Field E0043 | Seat / Berth / Room number | None | N/A | Right | 12 | 196, 135 | 6 | 8 | M |

7.6.2 Itinerary Block (Text Representation)

7.6.2.1 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|--|---|---|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 10 | 7, 15 | 7 | 90 | M |
| Field E0007 | Reservations (Text) | None | | Left | 10 | Repeated for each leg. For 'n' legs, "Departure Time" = 10, [23 + 24(n-1)] "From" = 19, [23 + 24(n-1)] "Leg Origin" = 28,[23 + 24(n-1)] "TOC" = 29,[29 + 24(n-1)] "Seat/Berth/Room" = 77,[29 + 24(n-1)] "Leg Arrival Time" = 10, [35 + 24(n-1)] "To" = 19,[35 + 24(n-1)] "Leg Destination" = 28,[35 + 24(n-1)] | "Departure Time" = 5 "From" = 5 "Leg Origin" = 5 "TOC" = 5 "Seat/Berth/Room" = 5 "Leg Arrival Time" = 5 "To" = 5 "Leg Destination" = 5 | "Departure Time" = 9 "From" = 8 "Leg Origin" = 73 "TOC" = 45 "Seat/Berth/Room" = 26 "Leg Arrival Time" = 9 "To" = 5 "Leg Destination" = 73 | C |

7.6.3 Itinerary (Visual Representation)

7.6.3.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|---|---|---|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 79, 2 | 9 | 23 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 7, 15 | 7 | 90 | M |
| Field E0008 | Reservations (Visual) | None | | Left | 7 | "Leg Origin" = 28, 23 "Leg Departure Time" = 10, 23 "Leg TOC" = 30, 29 "Leg Seat/Berth/Room" = 77, 29 "Leg Arrival Time" = 10, 38 "Leg Destination" = 28, 43 | "Leg Origin" = 5 "Leg Departure Time" = 4 "Leg TOC" = 5 "Leg Seat/Berth/Room" = 5 "Leg Arrival Time" = 4 "Leg Destination" = 5 | "Leg Origin" = 73 "Leg Departure Time" = 9 "Leg TOC" = 45 "Leg Seat/Berth/Room" = 26 "Leg Arrival Time" = 9 "Leg Destination" = 73 | C |

7.6.4 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0017 | Compensation Pages | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 238 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 223 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 216 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 216 | 5 | 23 | M |
| Literal E0009 | "Price" | None | N/A | Left | 11 | 87, 210 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73, 210 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 204 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 204 | 5 | 27 | M |
| Literal E0040 | "NRS Booking Reference" | None | N/A | Left | 11 | 58, 198 | 5 | 39 | C |
| Field 00142 | NRS/RARS Booking Reference number | None | N/A | Left | 11 | 42, 198 | 5 | 15 | C |

7.6.5 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.7 Format D11: Advance Ticket (with 2 or more reserved legs)

7.7.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|--------|----------------------------|-------------------|-------------|------------|-------|
| Field E0004 | ADULT / CHILD | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Field 00115 | Class Details | None | Bold | Right | 14 | 165, 7 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 82 | 9 | 9 | M |
| Field E0040 | Start date of validity | None | N/A | Left | 14 | 122, 85 | 6 | 29 | M |
| Field E0001 | CRS code journey summary | None | N/A | Right | 14 | 174, 85 | 6 | 31 | M |
| Field 00207 | Location (Origin) | None | N/A | Left | Variable Max- 20; Min – 10 | 109, 96 | 11 | 43 | M |
| Literal E0004 | Directional Arrow | None | N/A | Centre | 18 | 153, 96 | 9 | 8 | M |
| Field 00208 | Location (Destination) | None | N/A | Right | Variable Max- 20; Min – 10 | 162, 96 | 11 | 43 | M |
| Field E0052 | Ticket Type or Excess information | None | N/A | Left | 11 | 109, 111 | 4 | 23 | M |
| Field E0053 | Route label or Excess reference | None | N/A | Right | 11 | 192, 111 | 4 | 13 | M |
| Field 00211 | Ticket Type Details | None | N/A | Left | 12 | 109, 117 | 10 | 67 | M |
| Field E0039 | Route Details | None | N/A | Right | 12 | 166, 117 | 10 | 39 | M |
| Literal E0038 | “DISCOUNT” | None | N/A | Left | 11 | 109, 129 | 4 | 19 | M |
| Literal E0015 | “DEPART” | None | N/A | Centre | 11 | 158,129 | 4 | 14 | M |
| Literal E0016 | “RESERVATIONS” | None | N/A | Right | 11 | 178, 129 | 4 | 27 | M |
| Field E0005 | Status details | None | N/A | Left | 12 | 109, 135 | 10 | 49 | C |
| Field E0042 | Time of First Train Departure | None | N/A | Centre | 12 | 159, 135 | 6 | 13 | M |
| Literal E0017 | “See Itinerary” | None | N/A | Right | 12 | 180, 135 | 6 | 24 | M |

7.7.2 Itinerary Block (Text Representation)

7.7.2.1 To be used where itinerary is to be represented in text form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|--|---|---|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 10 | 7, 15 | 7 | 90 | M |
| Field E0007 | Reservations (Text) | None | | Left | 10 | Repeated for each leg. For 'n' legs, "Departure Time" = 10, [23 + 24(n-1)] "From" = 19, [23 + 24(n-1)] "Leg Origin" = 28,[23 + 24(n-1)] "TOC" = 29,[29 + 24(n-1)] "Seat/Berth/Room" = 77,[29 + 24(n-1)] "Leg Arrival Time" = 10, [35 + 24(n-1)] "To" = 19,[35 + 24(n-1)] "Leg Destination" = 28,[35 + 24(n-1)] | "Departure Time" = 5 "From" = 5 "Leg Origin" = 5 "TOC" = 5 "Seat/Berth/Room" = 5 "Leg Arrival Time" = 5 "To" = 5 "Leg Destination" = 5 | "Departure Time" = 9 "From" = 8 "Leg Origin" = 73 "TOC" = 45 "Seat/Berth/Room" = 26 "Leg Arrival Time" = 9 "To" = 5 "Leg Destination" = 73 | C |

7.7.3 Itinerary (Visual Representation)

7.7.3.1 To be used where itinerary is to be represented in visual form.

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|---|--|--|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 7, 15 | 7 | 90 | M |
| Field E0008 | Reservations (Visual) | None | | Left | 7 | Repeated for each leg. For 'n' legs, "Leg Origin" = 28, 23 (Leg 1 only) "Leg Departure Time" = 10, [23 + 20(n-1)] "Leg TOC" = 30, [29 + 20(n-1)] "Leg Seat/Berth" = 77, [29 + 20(n-1)] "Leg Arrival Time" = 10, [38 + 20(n-1)] "Leg Destination" = 28, [43 + 20(n-1)] | "Leg Origin" = 5 "Leg Departure Time" = 4 "Leg TOC" = 5 "Leg Seat/Berth" = 5 "Leg Arrival Time" = 4 "Leg Destination" = 5 | "Leg Origin" = 73 "Leg Departure Time" = 9 "Leg TOC" = 45 "Leg Seat/Berth" = 26 "Leg Arrival Time" = 9 "Leg Destination" = 73 | C |

7.7.4 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|------------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0017 | Compensation Pages | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 238 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 223 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 216 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 216 | 5 | 23 | M |
| Literal E0009 | "Price" | None | N/A | Left | 11 | 87, 210 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73, 210 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 204 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 204 | 5 | 27 | M |
| Literal E0040 | "NRS Booking Reference" | None | N/A | Left | 11 | 58, 198 | 5 | 39 | C |
| Field 00142 | NRS/RARS Booking Reference number | None | N/A | Left | 11 | 42, 198 | 5 | 15 | C |

7.7.5 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.8 Format D12: Group Ticket

7.8.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|--------|----------------------------|-------------------|-------------|------------|-------|
| Field E0027 | Number of Adult / Child | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Field 00115 | Class Details | None | Bold | Right | 14 | 165, 7 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | | N/A | N/A | 105, 13 | 0 | 100 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 19 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 21 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | Bold | Centre | 16 | 140, 67 | 6 | 37 | M |
| Image 00052 | National Rail logo | None | N/A | Left | 18 | 109, 82 | 9 | 9 | M |
| Field E0040 | Start date of validity | None | | Left | 14 | 122, 85 | 6 | 29 | M |
| Field E0001 | CRS code journey summary | None | | Right | 14 | 174, 85 | 6 | 31 | M |
| Field 00207 | Location (Origin) | None | | Left | Variable Max- 20 Min – 10 | 109, 96 | 11 | 43 | M |
| Literal E0004 | Directional Arrow | None | | Centre | 18 | 153, 96 | 9 | 8 | M |
| Field 00208 | Location (Destination) | None | | Right | Variable Max- 20; Min – 10 | 162, 96 | 11 | 43 | M |
| Field E0052 | Ticket Type of Excess information | None | | Left | 11 | 109, 111 | 4 | 23 | M |
| Field E0053 | Route label or Excess reference | None | | Right | 11 | 192, 111 | 4 | 13 | M |
| Field 00211 | Ticket Type Details | None | | Left | 12 | 109, 117 | 10 | 67 | M |
| Field E0039 | Route Details | None | | Right | 12 | 166, 117 | 10 | 39 | M |
| Literal E0038 | “DISCOUNT” | None | | Left | 11 | 109, 129 | 4 | 19 | M |
| Literal E0015 | “DEPART” | None | | Centre | 11 | 158,129 | 4 | 14 | M |
| Literal E0016 | “RESERVATIONS” | None | | Right | 11 | 178, 129 | 4 | 27 | M |
| Field E0005 | Status details | None | | Left | 12 | 109, 135 | 10 | 49 | C |
| Field E0042 | Time of First Train Departure | None | | Centre | 12 | 159, 135 | 6 | 13 | M |
| Literal E0017 | “See Itinerary” | None | | Right | 12 | 180, 135 | 6 | 24 | C |

7.8.2 Itinerary Block (Text Representation)

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|---|--|---|-------|
| Literal E0032 | "Journey Summary" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | C |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | Right | N/A | 80, 4 | 8 | 20 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Field E0006 | Reservations Header | None | Bold | Left | 7 | 7, 15 | 7 | 90 | C |
| Field E0009 | Reservations (Group) | None | | Left | 7 | Repeated for each leg. For 'n' legs with 'p' passengers, "Leg Departure Time" = 12,[20 + 63(n-1)] "Leg TOC" = 23,[20 + 63(n-1)] "Leg From" = 12,[26 + 63(n-1)] "Leg Origin" = 23,[26 + 63(n-1)] "Leg To" = 12,[32 + 63(n-1)] "Leg Destination" = 23,[32 + 63(n-1)] "Leg Passenger Seat/Berth" = 12,[{38 + 63(n-1)} + 6(p-1)] | "Leg Departure Time" = 6 "Leg TOC" = 6 "Leg From" = 6 "Leg Origin" = 6 "Leg Seat/Berth" = 6 "Leg Arrival Time" = 6 "Leg Destination" = 6 | "Leg Departure Time" = 10 "Leg TOC" = 81 "Leg From" = 10 "Leg Origin" = 81 "Leg Seat/Berth" = 89 "Leg Arrival Time" = 10 "Leg Destination" = 81 | C |

7.8.3 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|-----------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0016 | Restriction Details | None | N/A | Left | 11 | 8, 268 | 12 | 89 | C |
| Field E0017 | Compensation Pages | None | N/A | Left | 11 | 8, 253 | 12 | 89 | M |
| Field E0018 | NRCoT and CIV | None | N/A | Left | 11 | 8, 238 | 12 | 89 | M |
| Field E0019 | Refund Details | None | N/A | Left | 11 | 8, 223 | 12 | 89 | M |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 72, 216 | 5 | 25 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 48, 216 | 5 | 23 | M |
| Literal E0009 | "Price" | None | N/A | Left | 11 | 87, 210 | 5 | 10 | M |
| Field 00155 | Price | None | N/A | Left | 11 | 73, 210 | 5 | 14 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 204 | 5 | 24 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 46, 204 | 5 | 27 | M |
| Literal E0040 | "NRS Booking Reference" | None | N/A | Left | 11 | 58, 198 | 5 | 39 | C |
| Field 00142 | NRS/RARS Booking Reference number | None | N/A | Left | 11 | 42, 198 | 5 | 15 | C |

7.8.4 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

7.9 Format D13: BritRail

7.9.1 Header Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|--------|--------------------|-------------------|-------------|------------|-------|
| Field E0004 | ADULT / CHILD | None | Bold | Left | 14 | 110, 7 | 6 | 40 | M |
| Literal E0039 | "BritRail" | None | Bold | Right | 14 | 165, 5 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | | N/A | N/A | 105, 13 | 0 | 100 | M |
| Image 00048 | BritRail Logo | None | | Left | N/A | 110, 16 | 10 | 37 | M |
| Literal E0029 | "VALID UNTIL" | None | | Right | 12 | 177, 16 | 5 | 29 | M |
| Field 0038 | Date of Expiry/Valid until | None | | Right | 14 | 176, 21 | 5 | 30 | M |
| Field E0028 | Class | None | | Right | 14 | 110, 30 | 5 | 50 | M |
| Field E0041 | Rover Description | None | | Left | 16 | 110, 36 | 9 | 93 | M |
| Literal E0019 | "RESIDENCY" | None | | Left | 11 | 110, 49 | 4 | 23 | M |
| Literal E0020 | "VALID FROM" | None | | Right | 11 | 176, 49 | 5 | 28 | C |
| Field E0029 | Country of Residence | None | | Left | 12 | 110, 54 | 9 | 68 | M |
| Field E0040 | Start date of validity | None | | Left | 12 | 176, 54 | 4 | 28 | C |
| Field E0030 | Adult / Child | None | | Left | 11 | 110, 64 | 4 | 18 | M |
| Literal E0021 | "VALIDITY" | None | | Right | 11 | 176, 64 | 4 | 28 | M |
| Field 00140 | Name of Ticket Holder | None | | Left | 12 | 110, 69 | 9 | 66 | M |
| Field E0031 | Validity Details | None | | Right | 12 | 176, 69 | 5 | 30 | M |
| Literal E0002 | Type 06 Barcode Border | 1-point solid line | N/A | N/A | N/A | 130, 81 | 55 | 55 | M |
| Field 00001 | Barcode Content Prefix 06 | None | N/A | N/A | N/A | 132, 83 | 45 | 51 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | | Centre | 10 | 139, 129 | 6 | 37 | M |

7.9.2 Passenger Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0035 | "Passenger Details" | N/A | Bold | Left | 14 | 7, 7 | 6 | 40 | M |
| Literal E0037 | Provided image - Folding.svg | N/A | N/A | N/A | N/A | 79, 2 | 9 | 23 | O |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 13 | 0 | 100 | M |
| Literal 00055 | "Issued to" | None | | Left | 12 | 8, 16 | 5 | 16 | M |
| Field E0033 | Passenger Name details | None | | Left | 12 | 26, 16 | 5 | 75 | M |
| Literal E0025 | "Passport Number" | None | | Left | 12 | 8, 24 | 5 | 31 | M |
| Field E0037 | ID details | None | | Left | 12 | 40, 24 | 5 | 27 | M |
| Field E0029 | Country of Residence | None | | Left | 12 | 8, 32 | 9 | 90 | C |

7.9.3 Ticket Details Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|--------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0033 | "Ticket Details" | None | Bold | Left | 14 | 61, 285 | 6 | 40 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 6, 285 | 0 | 100 | M |
| Field E0034 | Validity Area Link | None | N/A | Left | 11 | 8, 268 | 12 | 89 | M |
| Field E0035 | Validity Area Summary | None | N/A | Left | 11 | 8, 191 | 33 | 89 | O |
| Field E0036 | Travel information | None | N/A | Left | 11 | 8, 216 | 12 | 89 | C |
| Literal E0008 | "Ticket Number" | None | N/A | Left | 11 | 73, 209 | 5 | 24 | M |
| Field E0020 | Barcode Ticket Reference (UTN) | None | N/A | Left | 11 | 44, 209 | 5 | 28 | M |
| Literal E0010 | "Purchased on" | None | N/A | Left | 11 | 73, 202 | 5 | 23 | M |
| Field E0021 | Purchase Date | None | N/A | Left | 11 | 44, 202 | 5 | 28 | M |

7.9.4 Contact Information Block

| Item | Data Item | Outline | Style | Align | Font Size (Points) | Position X,Y (mm) | Height (mm) | Width (mm) | M/C/O |
|---------------|------------------------------|----------------------|-------|-------|--------------------|-------------------|-------------|------------|-------|
| Literal E0034 | "Contact Information" | N/A | Bold | Left | 14 | 159, 285 | 6 | 45 | M |
| Literal E0031 | Black underline | 1.5-point solid line | N/A | N/A | N/A | 105, 285 | 0 | 100 | M |
| Field E0022 | Customer Support Information | | | | | | | | M |

The contact information block also includes space reserved for RDG's future use.

8. Accreditation Requirements

8.1 Notes

- 8.1.1 The accreditation tests shall use products defined by the TIS Accreditation Team appropriate to the licence(s) and environment(s) covered by the accreditation. The scope of accreditation applicable to a specific system is established through the Compliance Review process.
- 8.1.2 The TIS Accreditation Team reserves the right to investigate any area of functionality where it suspects potential risk regardless of whether the function is certified by a third party. Additionally, RDG may require further testing to demonstrate inter-operability within the chosen specification.
- 8.1.3 During the Accreditation Application process the TIS supplier identifies the properties appropriate for the new TIS Version. Properties defined within ASSIST include available products which the TIS is capable of producing, and the format type(s) of eTicket supported. Based on these properties the TIS Accreditation Analyst will expect to see example eTickets demonstrating compliance.

8.2 Tests

RDG Accreditation will require examples of all eTicket fulfilment types that the TIS is producing (Apple .pkpass files, Google Pay Pass links, on-screen pdf and print-friendly pdf).

| Ref | ID | Scenario | Test Requirement | Test | Expected Result |
|-------|------|---|--|--------------------------------|---|
| 8.2.1 | 1504 | TIS issues eTicket for Walk Up product in D01 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.2 | New | TIS issues eTicket for Carnet product in D01 format. | TIS Supplier provides examples of Carnet products being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.3 | 1505 | TIS issues eTicket for Season product in D02 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.4 | New | TIS issues eTicket for Supplement product where SUPP_TYPE = EXA in D03 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.5 | New | TIS issues eTicket for Supplement product where SUPP_TYPE is not EXA in D10/D11 format, as appropriate. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |

| Ref | ID | Scenario | Test Requirement | Test | Expected Result |
|--------|------|---|--|--|---|
| 8.2.6 | New | TIS issues eTicket for PlusBus Day product as D04 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.7 | 1506 | TIS issues eTicket for Advance Ticket product as D10 or D11 format, as appropriate. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.8 | 1507 | TIS issues eTicket for Group travel product in D12 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.9 | 1508 | TIS issues eTicket for BritRail product in D13 format. | TIS Supplier provides examples of each format being issued to eTicket. | eTicket examples are provided. | Example eTickets conform to the defined format. |
| 8.2.10 | New | TIS issues eTicket for product with 6 or more reserved legs. | ITS Supplier provides examples of eTickets with 6 or more legs. If a suitable example is not available, then TIS Supplier statement of compliance. | eTicket examples are provided, or statement of compliance. | Example PDF for display on screen eTicket is split across two pages. Example PDF print-friendly eTicket has legs as additional legs printed in 'Ticket Details' block. |
| 8.2.11 | 1509 | Type 06 barcode encoded correctly. | TIS Supplier provides eTicket examples. | eTicket examples are provided. | Type 06 barcode component of eTickets provided complies with RSPS3001 . |
| 8.2.12 | 1510 | Customer can obtain additional product information from their eTicket for <ul style="list-style-type: none"> - Ticket Restrictions - Compensation in the event of disruption - National Rail Conditions of Travel - Refunds | Further product information can be obtained from embedded links in eTicket examples. | Use eTicket embedded links. | Embedded links re-direct customer to relevant information. |
| 8.2.13 | 1511 | Test eTickets. | Test eTickets are identifiable as not being valid for travel. | eTicket examples are provided. | eTicket examples are clearly identifiable as being for use in the test environment as per the eTicket Colour Values and/or text "SPECIMEN" as appropriate for their format. |
| 8.2.14 | New | eTicket is fulfilled as an Apple Wallet Pass. | TIS Supplier provides examples of each eTicket format supported being issued as an Apple Wallet Pass. | eTicket examples delivered as an Apple Wallet Pass are provided. | eTicket examples delivered as an Apple Wallet Pass conform to the defined format. |

| Ref | ID | Scenario | Test Requirement | Test | Expected Result |
|--------|------|--|--|---|--|
| 8.2.15 | 2042 | Google Pay Passes itinerary logic. | Logic defined in section 5.2 'Reservations, itineraries and fare origin/destination' is implemented correctly. | eTicket examples are provided. | Logic is applied correctly. |
| 8.2.16 | 2146 | Excess fare processed. | Logic defined in Field E0052 and Field E0053 is applied to Formats D01, D10, D11 & D12 only. | eTicket examples are provided. | Logic is applied correctly. |
| 8.2.17 | 2147 | Excess fare processed. | The BE record's 'Ticket Number' field is populated with the last nine characters of the parent eTicket's Barcode Ticket Reference (UTN). | eTicket examples are provided. | SDCI+ is populated correctly. |
| 8.2.18 | New | Control eTicket fulfilment of a standalone supplement sale. | A standalone supplement must only be fulfilled to eTicket where permitted in the RSPS5052: 'RDG Supplementary Reference Data'. | Attempt to fulfil standalone supplements to eTicket where they are and are not permitted in the RSPS5052: 'RDG Supplementary Reference Data'. | Controls are in place to prevent a standalone supplement from being fulfilled as an eTicket where it is not permitted by RSPS5052: 'RDG Supplementary Reference Data'. |
| 8.2.19 | New | Compensation for barcode tickets | A barcode ticket's UTN must be available to the customer up to 28 days after it its last day of validity, or 28 days after it was activated, in case the customer claims Compensation. For example, the UTN is included in a booking confirmation email. | Test that the UTN is available to the customer up to 28 days after activation or its last day of validity, whichever is later. | The UTN(s) can be viewed by the customer. |
| 8.2.20 | New | Product flow combinations where eTicket has not been enabled in the RCS. | eTicket fulfilment is not possible where a product flow combination has not been enabled in RCS. | Select a product flow combination that cannot be fulfilled as an eTicket. | It is not possible to fulfil the product flow combination as an eTicket. |

Appendix A: Literal and Field Logic

A.1 Introduction

Literals and Fields referenced in this document correspond to the CCST X document, [RSPS3018](#): 'Ticketing Specification - CCST X'.

A.2 Literals

| Item | Data Item | Data Source |
|---------------|---|-------------|
| Literal 00048 | From | TIS |
| Literal 00055 | "Issued to" | TIS |
| Literal 00116 | SUPPLEMENT | TIS |
| Literal 00124 | To | TIS |
| Literal E0001 | Header Border | TIS |
| Literal E0002 | Type 06 Barcode Border | TIS |
| Literal E0003 | National Rail logo (ATOC Rail Alphabet font ref 003D) | TIS |
| Literal E0004 | Directional Arrow (ATOC Rail Alphabet font ref 00DF) | TIS |
| Literal E0005 | Reservations border | TIS |
| Literal E0006 | Ticket Details border | N/A |
| Literal E0007 | "Ticket Details: " | TIS |
| Literal E0008 | "Ticket Number" | TIS |
| Literal E0009 | "Price" | TIS |
| Literal E0010 | "Purchased on" | TIS |
| Literal E0011 | Customer Information Border | N/A |
| Literal E0012 | Bidirectional Arrow | TIS |
| Literal E0013 | "PHOTOCARD" | TIS |
| Literal E0014 | "VALID FROM" | TIS |
| Literal E0015 | "DEPART" | TIS |
| Literal E0016 | "RESERVATIONS" | TIS |
| Literal E0017 | "See Itinerary" | TIS |
| Literal E0019 | "RESIDENCY" | TIS |
| Literal E0020 | "VALID FROM" | TIS |
| Literal E0021 | "VALIDITY" | TIS |
| Literal E0022 | Passenger Details border | N/A |
| Literal E0023 | "Passenger Details: " | TIS |
| Literal E0024 | Rover Details border | N/A |
| Literal E0025 | "Passport Number" | TIS |
| Literal E0026 | "COACH" | TIS |
| Literal E0027 | "ROUTE" | TIS |
| Literal E0028 | "TICKET TYPE" | TIS |
| Literal E0029 | "VALID UNTIL" | TIS |
| Literal E0030 | Information Border | TIS |
| Literal E0031 | Black underline | N/A |
| Literal E0032 | "Journey Summary" | TIS |
| Literal E0033 | "Ticket Details" | TIS |
| Literal E0034 | "Contact Information" | TIS |
| Literal E0035 | "Passenger Details" | TIS |
| Literal E0036 | "Notes" | TIS |

| Item | Data Item | Data Source |
|---------------|--------------------------------------|-------------|
| Literal E0037 | Provided image - Folding.svg | TIS |
| Literal E0038 | "DISCOUNT" | TIS |
| Literal E0039 | "BritRail" | TIS |
| Literal E0040 | "NRS Booking Reference" ⁴ | TIS |
| Literal E0041 | "Retailer Name" | TIS |
| Literal E0042 | "COACH/SEAT" | TIS |
| Literal E0043 | "COUPON CREATED" | TIS |
| Literal E0044 | "Valid with " | TIS |
| Literal E0045 | "EXCESS BY PRODUCT" | TIS |
| Literal E0046 | "EXCESS BY DISTANCE" | TIS |
| Literal E0047 | "EXCESS BY ROUTE" | TIS |
| Literal E0048 | "EXCESS BY CLASS" | TIS |

⁴ "NRS Booking Reference" will continue to be used even though the back-end system has changed to RARS.

A.3 Fields

| Item | Data Item | Notes | Data Source |
|-------------|---|--|---|
| Field 00001 | Barcode Content Prefix 06 | Barcode Content Prefix 06: Rail Tickets with large barcode. | TIS |
| Field 00101 | Accompanying ticket number / Original Ticket transaction number | To be printed where a coupon needs to be related to the primary travel ticket that it must be used with. For example, on a Supplement or the number of a through ticket, without which it is not valid. | TIS |
| Field 00115 | Class Details | '1ST', 'STD' or blank. For classless products (Class = 9 on the Ticket Type or Supplement file) this field should be left blank. For example, supplement FPC, 'CARPARK' which is classless. | [[RSPS5045 File: CLASS LEGENDS Class Legends record CC_DESC]] |
| Field 00126 | Location (Destination) | | Locations Reference Data Fares Feed CC_DESC_OUT |
| Field 00140 | Name of Ticket Holder | | TIS |
| Field 00142 | NRS/RARS Booking Reference number | If a reservation exists { Print the Booking Reference Number. } else { Print 'N/A'. } (Note that OUT and RTN coupons may have different reservation References depending on how the reservation service is used). | [[NRS/RARS NRS/RARS Booking Response Booking element Reference Number]] |
| Field 00150 | Location (Origin) | | Locations Reference Data Fares Feed CC_DESC_OUT |
| Field 00153 | Photocard ID | Required for all season tickets and Travelcards except Travelcards with a Period of Validity of less than 7 days and within Zones 1-6. | TIS |
| Field 00155 | Price | If National ITX fare { print 'Package Product' } else if TOC Specific AITX fare { print TOC's desired wording (e.g. 'LNER Exclusive') } else { '£nnnnn.nn' right justified with no leading zeros or spaces after the £ sign. If the price is less than £1, it should be printed as '£0.nn'. Price does not include chargeable reservations (such as sleeper berths). Scope shall be provided for printing the Euro symbol instead of £. } | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|---------------------------|--|---|
| Field 00158 | Registration number | May be printed if available on a car parking ticket, otherwise leave blank. It is recommended that up to three separate vehicle registration numbers may be printed on one car parking ticket, however the field is configurable to TOC requirements. | TIS |
| Field 00207 | Location (Origin) | Fare origin location. (On a return coupon this is the destination from the outward coupon). | [[IDMS Fare Locations Reference Data]] |
| Field 00208 | Location (Destination) | Fare destination location. (On a return coupon this is the origin from the outward coupon). | [[IDMS Fare Locations Reference Data]] |
| Field 00211 | Ticket type Details | If (Non-issue coupon print) or (Non-revenue mode) { Print '{{Ticket Type Code}}{space}{space}{LITERAL_00067}'. For example, '(1BS) NOT VALID FOR TRAVEL' } else { Ticket type text from the IDMS Ticket Types feed. For example, 'Advance Single 1ST' } For Supplements, use DESCRIPTION from Supplements fares file. | Ticket Types Reference Data IDMS Supplements Reference Data Fares Feed |
| Field 00295 | Start date of validity | Date of Start of validity in format DD Mmm YYYY; for example, 12 Jan 2017 | TIS |
| Field 00311 | Registration number label | If a car parking ticket { Print 'VEHICLE REG NUMBER'. } else { Print nothing. } | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|-----------------------------|--|--|
| Field 00313 | PlusBus website information | <p>Provides details in the PlusBus website location.</p> <p>If the URL can be embedded as a hyperlink, then "More information about your PlusBus ticket can be found here"</p> <p>The word 'here' contains a hyperlink to the PlusBus location page on the PlusBus website.</p> <p>If the URL cannot be embedded as a hyperlink, then "More information about your PlusBus ticket can be found at {URL of PlusBus location page on PlusBus website}"</p> <p>Link for each PlusBus location will be documented in RSPS5052: RDG Supplementary Reference Data.</p> | <p>TIS</p> <p>PlusBus Web Pages RDG Supplementary Reference Data</p> |
| Field 00320 | Valid On or Valid From | <p>If VALIDITY_CODE of Ticket Type is more than one day Print "VALID FROM" Else Print "VALID ON"</p> | <p>Ticket Type Reference Data Fares Feed Ticket Validity Reference Data Fares Feed</p> |
| Field 00321 | Supplement summary | <p>If product is a supplement Print {DESCRIPTION} Else If product has a ticket type Print {Fare origin location}{space}{Fare destination location}</p> | <p>[[IDMS Fare Locations Reference Data]] Supplement Reference Data Fares Feed</p> |
| Field 00322 | VALID ONLY WITH TICKET | <p>If part of a package fare Print {LITERAL_00138} Omit</p> | TIS |
| Field 00323 | For use on direction label | <p>If part of a package fare Print {LITERAL_00047} Else Print nothing</p> | TIS |
| Field 00324 | Valid until label | <p>If part of a package fare Print {LITERAL_00255} Else Print nothing</p> | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|------------------------------------|---|---|
| Field 00325 | Package valid until date | If part of a package Print {Field E0038} Else Print nothing | TIS |
| Field E0001 | CRS code journey summary | {Direction where appropriate 'Out:{space}' or 'Ret:{space}' }{Fare origin location CRS code}{space}- {space}{Fare destination location CRS code} For example, "Ret: EUS – BHM" | Locations Reference Data Fares Feed |
| Field E0002 | CRS Code Fare Origin location | | Locations Reference Data Fares Feed |
| Field E0003 | CRS Code Fare Destination location | | Locations Reference Data Fares Feed |
| Field E0004 | ADULT / CHILD | "ADULT" or "CHILD", depending on the customer booking. | TIS |
| Field E0005 | Status details | If the discount is for a Railcard or other discount scheme which is held on the Railcard file in the Fares Data Feed and in IDMS Discount Schemes { Print Discount Scheme } Else { Print "–" } | Discount Schemes Reference Data IDMS |
| Field E0006 | Reservations Header | If zero reservations associated with journey Omit Field E0006 else Itinerary{space}-{space}{"Mandatory Reservations" or "Optional Reservations" or "Suggested"}{space}{Date of departure of first leg in format DD Month}; For example, "Itinerary – Mandatory Reservations 20 January:" | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|-----------------------|---|---|
| Field E0007 | Reservations (Text) | <p>If zero reservations associated with journey Omit Field E0007 else For Apple Passes and, when applicable, Google Passes and PDF (for display on screen) Implementations, each leg is formatted as follows:</p> <pre>{Field E0010}{space}{Field E0011} {Literal 00048}{space}{Field E0012} {Literal 00124}{space}{Field E0013} {Field E0014}</pre> <p>For PDF Implementation (print-friendly), each leg is formatted as follows:</p> <pre>{Field E0010}{space}{Literal 00048}{space}{Field E0012} {Field E0011}{space}{Field E0014} {Field E0015}{space}{Literal 00124}{space}{Field E0013}</pre> | TIS |
| Field E0008 | Reservations (Visual) | <p>If zero reservations associated with journey Omit Field E0008 Else Each leg is formatted as follows {Field E0012 (only present for 1st leg)} {Field E0010} {Field E0011}{space}{Field E0014} {Field E0015} {Field E0013}</p> | TIS |
| Field E0009 | Reservations (Group) | <p>If zero reservations associated with journey Omit Field E0009 else Each leg is formatted as follows {Field E0010}{space}{Field E0011} {Literal 00048}{space}{Field E0012} {Literal 00124}{space}{Field E0013} {Field E0014 (new line for each passenger)}</p> | TIS |
| Field E0010 | Leg Departure Time | Printed in 24 hour format, HH:MM. | TIS |
| Field E0011 | Leg TOC | | Service Providers Reference Data IDMS |

| Item | Data Item | Notes | Data Source |
|-------------|---------------------|--|--------------------------------------|
| Field E0012 | Leg Origin | Specific leg origin | Fare Locations Reference Data IDMS |
| Field E0013 | Leg Destination | Specific leg destination | Fare Locations Reference Data IDMS |
| Field E0014 | Leg Seat/Berth | If no-place reservation Print "No specific seat". Else Print Coach{space}{Coach Identifier}{space}{"Seat" or "Berth" or "Room"}{space}{Seat / Berth / Room Number}{Seat Direction} For example, "Coach A Seat 01F" | TIS |
| Field E0015 | Leg Arrival Time | Printed in 24-hour format, HH:MM. | TIS |
| Field E0016 | Restriction Details | <p>If ({RESTRICTION_CODE} = " ") or {Mandatory reservations apply to ticket type} { Print nothing } else { Print the following text</p> <p>If the URL can be embedded as a hyperlink, then "This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/{RESTRICTION_CODE} {hyperlink to nre.co.uk/{RESTRICTION_CODE}}"</p> <p>If the URL cannot be embedded as a hyperlink, then "This ticket can only be used at certain times, for details ask staff or go to nre.co.uk/{RESTRICTION_CODE}"</p> <p>}</p> <p>Note: PMS supports a five character {RESTRICTION_CODE}.</p> <p>The base URL used must be a configurable item.</p> <p>Note: it is acceptable for the link to direct to a third-party retailer's own site, if the information presented is the same, using the data available through RSPS5050.</p> | TIS / Fare Data Fares Feed |

| Item | Data Item | Notes | Data Source |
|-------------|--------------------------------|--|-------------|
| Field E0017 | Compensation Pages | <p>If the URL can be embedded as a hyperlink, then</p> <p>“Information relating to compensation in the event of disruption can be found <i>here</i> {hyperlink to http://www.nationalrail.co.uk/moneyback}”</p> <p>If the URL cannot be embedded as a hyperlink, then</p> <p>“For information relating to compensation in the event of disruption, visit http://www.nationalrail.co.uk/moneyback”</p> <p>The base URL used must be a configurable item.</p> <p>Note: it is acceptable for the link to direct to a third-party retailer’s own site, if the information presented is the same.</p> | TIS |
| Field E0018 | NRCoT and CIV | <p>If the URL can be embedded as a hyperlink, then</p> <p>“Issued subject to the <i>National Rail Conditions of Travel</i> {hyperlink to http://www.nationalrail.co.uk/NRCOT} and CIV”</p> <p>If the URL cannot be embedded as a hyperlink, then</p> <p>“Issued subject to the <i>National Rail Conditions of Travel and CIV</i>, visit http://www.nationalrail.co.uk/NRCOT”</p> <p>The base URL used must be a configurable item.</p> <p>Note: it is acceptable for the link to direct to a retailer’s own site, if the information presented is the same.</p> | TIS |
| Field E0019 | Refund Details | For refund information contact the retailer of your ticket | TIS |
| Field E0020 | Barcode Ticket Reference (UTN) | <p>11-character alpha-numeric reference comprising IssuingSystemID and IssuingSystemUniqueETicketNumber.</p> <p>Each supplement has its own UTN.</p> | TIS |
| Field E0021 | Purchase Date | Date of purchase DD{space}Month{space}YYYY | TIS |
| Field E0022 | Customer Support Information | Free format, must include, as a minimum, retailer name and contact information for both online and by phone. | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|---------------------------|--|--------------------------|
| Field E0023 | End of Validity Details | Valid Until, Final Date of Validity information. Print "Valid Until {DD Mmm YYYY}". For example, "Valid Until 12 Jan 2021". | TIS |
| Field E0024 | Seat/Berth | "SEAT" or "BERTH" or "ROOM" | TIS |
| Field E0025 | Coach Number | If {No-place reservation} Print "*" Else {Print Coach letter or number} | TIS |
| Field E0027 | Number of Adult / Child | ADULT{space}{number of adults}{space}/{space}CHILD{space}{number of children} | TIS |
| Field E0028 | Class | {"First" or "Standard"} Class | TIS |
| Field E0029 | Country of Residence | Country of Residence | TIS |
| Field E0030 | Adult / Child | {"ADULT" or "CHILD" or "JUVENILE" or "YOUTH"} | TIS |
| Field E0031 | Validity Details | If {Period of validity is equal to 1 month or greater} Print "{MONTHS_VALID} Months Travel" Else Print "{DAYS_VALID} Days Travel" | Rail Rovers Fares Data |
| Field E0032 | Ticket Replacement Reason | Only applies to Season tickets. If appropriate - "Replacement" or "Changeover" | TIS |
| Field E0033 | Passenger Name details | Passenger name in format Title Initial Surname | TIS |
| Field E0034 | Validity Area Link | URL Link to validity area of ranger/Rover If the URL can be embedded as a hyperlink, then "For information on where your BritRail England Pass is valid visit www.BritRail.com " If the URL cannot be embedded as a hyperlink, then "For information on where your BritRail England Pass is valid visit www.BritRail.com " The base URL used must be a configurable item. | TIS |
| Field E0035 | Validity Area Summary | Summary of area of validity of product Example: "The boundary stations are: Carlisle, Berwick upon Tweed, Lydney, Gloucester, Cheltenham, Hereford, Bucknell, Shrewsbury, Chirk, Crewe, Chester, West Kirby." | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|-------------------------------|--|---|
| Field E0036 | Travel information | <p>Link to Journey Planner</p> <p>If the URL can be embedded as a hyperlink, then "To plan a journey, visit www.nationalrail.co.uk"</p> <p>If the URL cannot be embedded as a hyperlink, then "To plan a journey, visit www.nationalrail.co.uk"</p> <p>The base URL used must be a configurable item.</p> <p>Note: it is acceptable for the link to direct to a retailer's own site, if the information presented is the same.</p> | TIS |
| Field E0037 | ID details | Passport Number of traveller | TIS |
| Field E0038 | Date of Expiry/Valid until | <p>Final date of validity with format DD Mmm YYYY; for example, 12 Jun 2020. For single tickets, or the outward leg of return tickets, this is: the first date on which the ticket can be used+(OUT_DAYS)+(OUT_MONTHS)-1</p> <p>For the return leg of return tickets, this is: the first date on which the return leg can be used+(RET_DAYS)+(RET_MONTHS)-1</p> | <p>Calculated by the TIS, from the start date and period of validity in the RSPS5045 File: TICKET VALIDITY Ticket Validity record.</p> <p>The following fields are used in the calculation: OUT_DAYS OUT_MONTHS RET_DAYS RET_MONTHS</p> |
| Field E0039 | Route Details | <p>If supplement Print "Valid only with travel ticket" Else CC_DESC for fare route</p> | Fare Routes Reference Data Fares Feed |
| Field E0040 | Start date of validity | Date of Start of validity in format DD Mmm YYYY; for example, 12 Jan 2017 | TIS |
| Field E0041 | Rover Description | | Rail Rovers Reference Data IDMS |
| Field E0042 | Time of First Train Departure | Printed in 24-hour format, HH:MM. | TIS |

| Item | Data Item | Notes | Data Source |
|-------------|---|---|---------------------------------------|
| Field E0043 | Seat / Berth / Room number | If {No-place reservation} Print "****" Else {Seat / Berth / Room number} The first two characters contain the Seat/Berth/Room number (leading zero if less than 10), the third character is the direction. For example, "09F". | TIS |
| Field E0044 | Free Format Information | To allow additional information about the conditions of the ticket to be captured, such as for a Carnet or ITX product. Also includes space reserved for RDG's future use (print-friendly pdf only). | TIS |
| Field E0045 | National Rail Logo | Provided image – icon@2x.png . | TIS |
| Field E0046 | Leg CRS Origin | Specific leg origin | Locations Reference Data Fares Feed |
| Field E0047 | Leg CRS Destination | Specific leg destination | Locations Reference Data Fares Feed |
| Field E0048 | Leg Departure Time | ISO 8601 extended format date/time, with or without an offset. For example, 2021-01-20T13:00+00:00 | TIS |
| Field E0049 | Leg Arrival Time | ISO 8601 extended format date/time, with or without an offset. For example, 2021-01-20T13:00+00:00 | TIS |
| Field E0050 | Time and date Coupon generated | Time and Date of Coupon generated. Formatted as "HH:MM dd Mon YYYY". See Appendix C: for month abbreviations. | TIS |
| Field E0051 | Season Ticket Changeover | If a Season Ticket Changeover has been applied, then display "Changeover". Otherwise omit. | TIS |
| Field E0052 | Ticket Type label or Excess information | Display either Literal E0028 ("TICKET TYPE") or, in the case of an Excess fare, display one of the following: <ul style="list-style-type: none"> • "EXCESS BY PRODUCT" (Literal E0045) • "EXCESS BY DISTANCE" (Literal E0046) • "EXCESS BY ROUTE" (Literal E0047) • "EXCESS BY CLASS" (Literal E0048) | TIS |
| Field E0053 | Route label or Excess reference | Display either Literal E0027 ("ROUTE") or, in the case of an Excess fare, display Literal E0044 ("Valid with") followed by the reference to the 'Excessed' ticket being either the UTN value or, in the case of CCST, the 5-digit ticket number. | TIS |

| Item | Data Item | Notes | Data Source |
|-----------|-----------|---|--------------------------------------|
| Field K_D | Table K_D | <p>Ticket type: Packages and Inclusive Supplements Condition: Available on out portion Value: 'OUT' Otherwise: N/A</p> <p>Ticket type: Packages and Inclusive Supplements Condition: Available on return portion Value: 'RETURN' Otherwise: N/A</p> <p>Ticket type: Packages and Inclusive Supplements Condition: Available on both portions Value: 'BOTH' Otherwise: N/A</p> <p>Ticket type: Packages and Inclusive Supplements Condition: Available on either portion Value: 'EITHER' Otherwise: N/A</p> <p>Ticket type: Non-Inclusive Supplements Condition: All Value: {blank} Otherwise: N/A</p> | Package Supplement Data Fares Feed |

Appendix B: eTicket Colour Values

B.1 The following table contains the RGB colour values for presentation of the eTicket Header Block.

| Environment | Format | Background Colour ⁵ | Header and Barcode Border | Header and Specimen text Colour | Field text Colour | Barcode Colour ⁶ | Barcode Background Colour |
|----------------------|---|---|---|---|---|---|---------------------------|
| Non-live (i.e. test) | All | 255,192,203 (#FFC0CB)  | 140,140,140 (#8C8C8C)  | 140,140,140 (#8C8C8C)  | | 252,58,229 (#FC3AE5)  0,0,0 (#000000)  | |
| Live | D01, D04, D10, D11, D12 (except if Excess fare or Supplement) | 255,248,242 (#FFF8F2)  | | 140,140,140 (#8C8C8C)  | | 0,0,0 (#000000)  | |
| | D02 | 141,200,232 (#8DC8E8)  | | 0,0,0 (#000000)  | 0,0,0 (#000000)  | | |
| | D01, D03, D10, D11, D12 for Excess fare or Supplement | 196,255,208 (#C4FFD0)  | | | | | |
| | D13 | 184,225,245 (#B8E1F5)  | | | | | |

⁵ No background colour is to be applied to any of the formats for the PDF Implementation (print-friendly).

⁶ Where possible, the test barcodes should be pink and white – 252,58,229.

B.2 The following table contains the RGB colour values for presentation of the other Blocks of an eTicket.

| Environment | Format | Background Colour | Header text Colour | Field text Colour | Hyperlink text | Itinerary line |
|----------------------|--------|---|--------------------|--------------------|----------------------|-----------------------|
| Non-live (i.e. test) | All | No background colour is to be applied to support eTickets that may be printed out | 0,0,0 (#000000) | 0,0,0 (#000000) | 0,0,255 (#0000FF) | 255,75,0 (#GG4B00) |
| Live | | | | | | |

Appendix C: Month Abbreviation Table

C.1 The table below defines the three-character month abbreviations to be used, where appropriate, in the eTicket Header block.

| Month | Abbreviation |
|-----------|--------------|
| January | Jan |
| February | Feb |
| March | Mar |
| April | Apr |
| May | May |
| June | Jun |
| July | Jul |
| August | Aug |
| September | Sep |
| October | Oct |
| November | Nov |
| December | Dec |

Appendix D: Format Mapping

- D.1 The eTicket format is to be derived from the CCST X equivalent format, as per the table below.⁷
- D.2 For example, an SDS is mapped to CCST X format X03 in RCS, and therefore should be printed in eTicket format D01.
- D.3 CCST X formats that are not listed below cannot be fulfilled to eTicket.
- D.4 Updates to this table will be shared with TIS Suppliers accredited against this version of the specification via email.

| CCST X Format | eTicket Format |
|---------------|--|
| X01 | D01 |
| X02 | D01 |
| X03 | D01 |
| X04 | D01 |
| X05 | D01 |
| X06 | D01 |
| X07 | D01 |
| X08 | D01 |
| X09 | D01 |
| X10 | D10/D11 |
| X12 | D10/D11 |
| X14 | D10/D11 |
| A1 | D01 or D12 ⁸ |
| A2 | D01 |
| A4 | D01 |
| B1 | D02 |
| H1 K1 | D10/D11 if SUPP_TYPE is not equal to EXA (a reservation supplement). D03 if SUPP_TYPE is equal to EXA (a non-reservation supplement). |
| S | D04 |

⁷ RDG is investigating enhancements to RDG Systems that will allow Format Mapping of products to an eTicket format.

⁸ Format D12 is to be used where instructed by a TOC.

Appendix E: Revision History

| Version, Date and Authors | Comments |
|---|--|
| 01-00 24-Aug-2016 James Wright | Formally issued by RSP using the fast track review process in order to support the immediate commencement of eTicket trials. Please note that feedback from these trials will inform further revisions to this RSP Compliance Standard, including the eTicket layout, and that these further reviews may also need to pass through a truncated review process. |
| 01-00-A 03-May-2017 James Wright Neil Barkham | Updated layout to Advance Purchase product following feedback from eTicket pilot. Detailed information for PDF and Apple Wallet implementations. Support for season ticket, BritRail and Group Travel products. |
| 01-00-B 25-May-2017 James Wright | Addressed comments from internal review |
| 01-00-C 06-Jul-2017 James Wright Neil Barkham | Addressed comments from external review <ul style="list-style-type: none"> Review of month abbreviations (Appendix E) To support journeys with >4 legs, formula for field positioning included |
| 01-00-D 11-Aug-2017 James Wright | Addressed comments from second external review Included WCT link for Refund Details Information Block added Revised NRE webpage links Inclusion of Accreditation Requirements Inclusion of Format Mapping |
| 01-00-E 28-Sep-2017 James Wright | Revised Three Character Codes and instruction for accessing associated data file |
| 03-01 03-Oct-2017 James Wright Neil Barkham | Issued version |
| 03-01-A 11-Dec-2018 Lami Jinadu | General review. Added a new PDF Implementation (print-friendly) in Section 7. |
| 03-01-B 28-Jan-2019 Lami Jinadu | Addressed internal review comments. Deleted the images in this document and added examples of each format in the three implementations in ASSIST. |
| 03-01-C 04-Jun-2020 Neil Barkham Matthew Pickman | Addressed external review comments. Review of JIRAs. Version History now recorded in an Appendix. |
| 03-01-D 18-Dec-2020 Matthew Pickman | Addition of AITX/ITX products Tidying up of pseudo-code for .pkpass formats Clarification that free space on eTicket pdf is reserved for RDG's future use Clarification that retailers must print reference to CIV as well as NRCoT |
| 03-01-E 25-Jan-2021 | More terms added to glossary Field E0004 Adult / Child no longer upper case Removed inconsistencies in literal and field names |

| Version, Date and Authors | Comments |
|--|---|
| Matthew Pickman | Errors corrected in example tickets Speech marks added to literals to emphasise what must be printed |
| 04-00 09-Feb-2021 Matthew Pickman | Issued |
| 04-00-A 10-Feb-2021 Neil Barkham | Introduction of Google Pay Passes. |
| 04-00-B 15-Mar-2021 Neil Barkham | Updates following External Review. Examples updated. RARS2 references applied. |
| 04-00-C 09-Apr-2021 Neil Barkham | Updates following Final External Review. Update to Field E0023 to include "Valid Until" text. Pink colour defined for test barcodes. |
| 05-00 26-Apr-2021 Neil Barkham | Addition of Literal and Fields for sTicket use. Issued. |
| 05-00-A 01-Oct-2021 Neil Barkham Tim Handel | Addition of Field E0052: 'Ticket Type label or Excess information' and Field E0053: 'Route label or Excess reference' to enable Excess fares. Replace Literal E0027 and Literal E0028 on the D01: 'Walk Up' Format with the new Excess Fields. Defined the background colour to be used if Excess fare. |
| 05-00-B 18-Oct-2021 Neil Barkham | Added Excess logic to Advance (D10/D11) and Group Formats (D12), and minor updates and corrections following External review. |
| 05-00-C 11-Nov-2021 Neil Barkham | Note on the population of SDCI+ as agreed by working group. |
| 05-01 29-Nov-2021 Neil Barkham | Issued. |

End.