Virgin Trains West Coast – Single Customer View (SCV)

ToC Plus – Seasons Inbound File

Commercial in confidence

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## Table of Contents

[Table of Contents 2](#_Toc528677929)

[**Document** **Management** 3](#_Toc528677930)

[1. Document Purpose 4](#_Toc528677931)

[2. Overview 4](#_Toc528677932)

[2.1. Table Mappings and Business Rules – Seasons 5](#_Toc528677933)

## **Document** **Management**

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| --- | --- | --- | --- |
| **Version Control** | | |  |
| **Version** | **Date** | **Author(s)** | **Section Changed** |
| 0.1 | 30/10/2018 | Russell Jackson | Initial Draft |
|  |  |  |  |

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| **Review** | | |
| **Version** | **Date** | **Review By** |
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| **Supporting Documents** | | |
| **Document Name** | **Document Purpose** | **Document Link** |
| Merkle VTWC Technical Design | Technical Specification | [Click here](https://teams.microsoft.com/_#/vsd/viewer/teams/https%3A~2F~2Fmerkleinc.sharepoint.com~2Fsites~2FVirginTrainsWestCoast-CRMProject~2FShared%20Documents~2FGeneral~2FDevelopment%20Documentation~2FDesign%20Documentation~2FTechnical%20Overview~2FVTWC%20-Process%20Overview%20v0.1.vsd?thread) |
| Address Matching, Merging and Cleansing - VTWCv2 | Address matching, merging and cleasning specification | [Click here](https://teams.microsoft.com/_#/docx/viewer/teams/https%3A~2F~2Fmerkleinc.sharepoint.com~2Fsites~2FVirginTrainsWestCoast-CRMProject~2FShared%20Documents~2FGeneral~2FDevelopment%20Documentation~2FDesign%20Documentation~2FTechnical%20Overview~2FAddress%20Matching%2C%20Merging%20and%20Cle) |
| Customer ToC+ VTWC | Functional information on handling customer and prospect information | [Click here](https://teams.microsoft.com/_#/docx/viewer/teams/https%3A~2F~2Fmerkleinc.sharepoint.com~2Fsites~2FVirginTrainsWestCoast-CRMProject~2FShared%20Documents~2FGeneral~2FDevelopment%20Documentation~2FDesign%20Documentation~2FTechnical%20Overview~2FCustomer%20ToC%2B%20VTWC.docx?threadId=19%3) |

## Document Purpose

This document provides information on how the ToCPlus Seasons file is processed by the system, the data transformation rules that are applied and functional database object that are utilised.

This document detailed the mapping from schema .PreProcessing to .Staging, it does not cover the ingestion process into the .PreProcessing.

## Overview

The Seasons ToC Plus file contains information on the Season tickets that have been purchased.

The Seasons file is supplied with all other ToC data.

The Seasons data will need to either be inserted or updated. The update key will be Season\_BookingID.

The information should be stored at the SeasonBookingID level

## Table Mappings and Business Rules – Seasons

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Feed Details** | | | |  |  |  |
| **Feed ID/#:** | 55 | **Feed Format** | Delimited |  |  |  |
| **Feed Name** | Seasons | **Field Delimiter** | | |  |  |  |
| **Feed Source** | TOC+ | **Record Delimiter** | LF |  |  |  |
| **Frequency** | Daily | **Header/Footer/Both** | Header |  |  |  |
| **Input/Output** | Input | **Text Qualifiers** | Yes |  |  |  |
| **Output Recipient** | Merkle | **Encryption** | Other |  |  |  |
| **CDI Processing** | No | **Delivery Mechanism** | SFTP |  |  |  |
| **Update Critical** | No | **File Location** | \data |  |  |  |
| **Incremental / Full Refresh** | Incremental | **Contact Information** | 0 |  |  |  |
| **Physical File Naming Convention** | VT\_MKT\_YYYYMMDDHHMMSS\_Seasons.csv | **Count file received** | No |  |  |  |
|  |  |  |  |  |  |  |
| **Inbound Field\_Name** | **[PreProcessing].[TOC\_Seasons]** | **Field\_Data\_type** | **Length** | **Mandatory** | **Staging.STG\_Seasons filenames** | **Business Rules** |
| season\_bookingId | season\_bookingId | bigint |  | Y |  |  |
| TCSTransactionId | TCSTransactionId | nvarchar | 50 | Y | TCSTransactionId |  |
| TCSCustomerId | TCSCustomerId | nvarchar | 5 | Y | TCSCustomerId |  |
| StartDate | StartDate | datetime |  |  | StartDate | Date from when the Seasons ticket starts from |
| RenewalDate | RenewalDate | datetime |  |  | RenewalDate | Renewal data for when the Seasons ticket should be renewed |
| RetDateTime | RetDateTime | datetime |  |  | RetDateTime |  |
| FLCodeOrigin | FLCodeOrigin | nvarchar | 8 |  | FLCodeOrigin | Validate against the Stations file |
| FLCodeDestination | FLCodeDestination | nvarchar | 8 |  | FLCodeDestination | Validate against the Stations file |
| PhotocardNumber | PhotocardNumber | nvarchar | 10 |  | PhotocardNumber |  |
| PeriodType | PeriodType | char | 1 |  | PeriodType |  |
| FareSettingToc | FareSettingToc | nvarchar | 3 |  | FareSettingToc | Train operating company that sets the price |
| CreateDateTime | CreateDateTime | datetime |  |  | CreateDateTime | Metadata |
| CurrentSBSCode | CurrentSBSCode | nvarchar | 4 |  | CurrentSBSCode |  |
| PaymentMethod | PaymentMethod | nvarchar | 2 |  | PaymentMethod |  |
| CustomerCorRef | CustomerCorRef | nvarchar | 10 |  | CustomerCorRef |  |
| DMCode | DMCode | nvarchar | 5 |  | DMCode | Delivery method |
| CallingHTTPAddr | CallingHTTPAddr | nvarchar | 40 |  |  | The data supplier does not know how this value is set, however as its is not PII we should load it as it maybe something VT can leverage in the future |
| TicketTClass | TicketTClass | char | 1 |  | TicketTClass | S = Standard |
| CorpName | CorpName | nvarchar | 40 |  | CorpName | This will only be populated with corporate customers but is not related to VT |
| RetailerCode | RetailerCode | nvarchar | 6 |  | RetailerCode | =VT |
| RetailerDivision | RetailerDivision | nvarchar | 10 |  | RetailerDivision |  |
| Role | Role | nvarchar | 5 |  | Role |  |
| TicketType | TicketType | nvarchar | 5 |  | TicketType |  |
| TotalCostOfBooking | TotalCostOfBooking | numeric(9.2) | 9.2 |  | TotalCostOfBooking |  |
| DateUpdated | DateUpdated | datetime |  |  | DateUpdated |  |
| OrigStationCode | OrigStationCode | nvarchar | 5 |  | OrigStationCode |  |
| OrigStationName | OrigStationName | nvarchar | 100 |  | OrigStationName |  |
| DestStationCode | DestStationCode | nvarchar | 5 |  | DestStationCode |  |
| DestStationName | DestStationName | nvarchar | 100 |  | DestStationName |  |