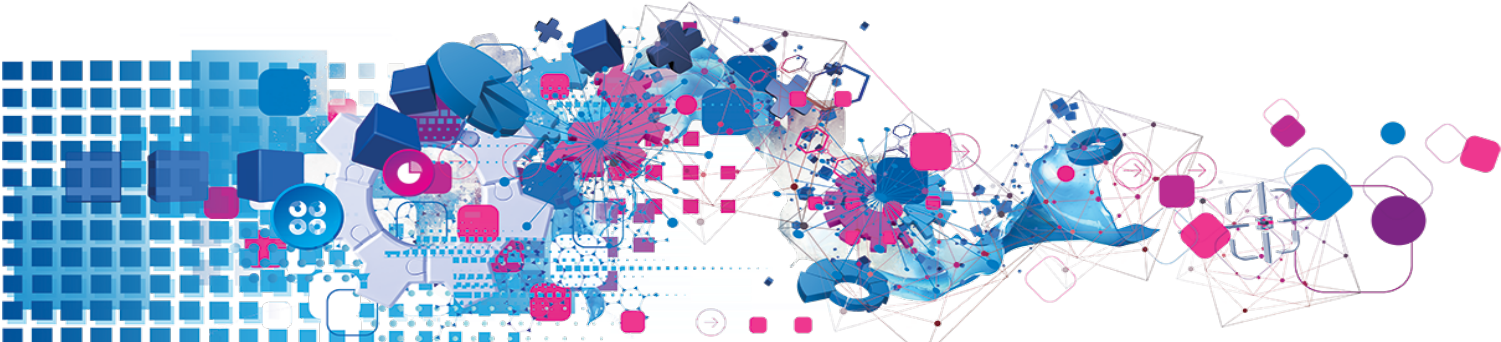


Singapore



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For resolutions to common issues, answers to frequently asked questions and hints and tips for using our products:

www.edq.com/documentation/contact-support/

For information about data expiry, data vintage and how to keep your data up to date:

www.edq.com/documentation/data

For more information about us and to get in touch:

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Contents

Introduction	4
Singapore Address Data Information	4
SGF Address Dataset	4
About This Data	5
Area Covered	5
Address Elements	5
Address Element Definitions	5
Default Address Format	6
About DataPlus Information	6
DataPlus Sets for SGF Address Data	6
Using This Data	10
With Pro	10
Search Examples: Typedown	10
Search Examples: Single Line	11
With Pro Web	12
Scenarios	12
Search Examples: Verification	12
With Batch	13
Dataset-Specific Input Fields	13
Dataset-Specific Information Bits	14
Search Examples: Batch Interactive	14

Introduction

Singapore Address Data Information

This chapter provides an overview of the Singapore dataset.

SGF Address Dataset

Dataset Code:	SGF
Approximate Data Size:	17MB
Data Source:	Singapore Post
Update Frequency:	Quarterly
Expiry:	<p>The data release dates are:</p> <ul style="list-style-type: none">• January• April• July• October <p>Data files will expire approximately 5 months after creation. For example, January data will expire at the end of June the same year.</p> <p>Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.</p>

About This Data

This chapter provides detailed information about the SGF dataset.

Area Covered

The SGF dataset covers all postal addresses in Singapore to floor-unit level (sub-premises level).

Address Elements

The following address elements are stored within the SGF data files.

Address Element	Example	Input/Output Element Code
Building number	459	P11
Building name	Centennial Tower	P12
Floor	#02	P21
Unit	-09	P31
Street	Marina Grove	S11
Locality	Singapore	L11
Postal code	018990	C11
Country name*	Singapore	X11
Two character ISO country code*	SG	X12
Three character ISO country code*	SGP	X13

* Denotes elements which only appear in the address if their position is fixed.

Address Element Definitions

Postal code Structure

Singapore postal codes consist of six numbers. The first two numbers represent the sector code; the last four number represent the primary delivery point (i.e. the building). For example, 408600.

Each building is assigned a unique postal code. This means that the majority of individual addresses have a unique postal code.

Default Address Format

An address in Singapore can be spread over up to four lines, depending on the address type. The bottom line of the address always consists of the country (i.e. Singapore), followed by the postal code. For private landed housing, there is no floor-unit number, and the top line consists of house number, then the street name.

For example:

```
<name of recipient>  
<Any additional address information>  
776A Dunearn Road  
Singapore 289663
```

For any other type of street address, the top line contains the building/block number, followed by the street name. The next line contains the floor-unit number, followed by the building name. The building name may not always be present.

For example:

```
<name of recipient>  
<Any additional address information>  
10 Eunos Road 8  
#06-20 Singapore Post Centre  
Singapore 408600
```

In the above example, 10 is the building number; Eunos Road 8 is the street name; #06-20 is the floor-unit number and Singapore Post Centre is the building name.

All address elements are returned in title case by default.

About DataPlus Information

You can configure your Experian products to use any of the available DataPlus sets that are available for SGF data. Please refer to the relevant section of the product documentation for information on configuring Experian products to return DataPlus information.

Each DataPlus set is divided into one or more items. Experian products can be configured to return these items via the Configuration Editor (using the element name) or the configuration file (using the code name). This section details the DataPlus sets currently available for SGF address data.

DataPlus Sets for SGF Address Data

The following DataPlus sets are available with SGF address data:

- **SGF Address Barcode**
- **SGF Mosaic**
- **SGF Mosaic Residential Information**
- **SGF Mosaic Affluence and Status**
- **SGF Mosaic Life Stages**

Singapore Barcode

Identifier: **SGFBAR**

This DataPlus set returns the standard address barcode for a particular address. The address barcode consists of the postal code and a checksum character, which is calculated using an algorithm supplied by Singapore Post. The checksum character is a four-bar character which is appended to the six-digit postal code to produce an address barcode.

Element	Code	Description
Customer Barcode	SGFBAR.Custbar	Standard address barcode.

To display barcodes correctly, you must have the CustomerCode font installed. This will output the SGF address barcode in a height-modulated format, which can be used in high speed automated mail sortation.

Address Barcode is a pseudo-DataPlus set, meaning it behaves like a DataPlus set but that there is no separate DataPlus (.dap) file.

Singapore Mosaic

Identifier: **SGFMOS**

This DataPlus set returns Experian's Singapore MOSAIC demographic data relevant to a given postal code.

For more information and example values, visit [Experian's Singapore MOSAIC website](http://www.experian.com.sg/mosaic/index.html):

<http://www.experian.com.sg/mosaic/index.html>

Element	Code	Description
MOSAIC Type	SGFMOS.Type	Three character code label.
MOSAIC Group	SGFMOS.Group	Single character group label.
MOSAIC Type Description	SGFMOS.TypeName	Type description (text).
MOSAIC Group Description	SGFMOS.GroupName	Group description (text).

Singapore Mosaic Residential Information

Identifier: **SGFRES**

This DataPlus set returns residential and population data relevant to a given postal code.

This data is sourced from Experian's MOSAIC Singapore database. For more information, visit [Experian's Singapore MOSAIC website](http://www.experian.com.sg/mosaic/index.html):

<http://www.experian.com.sg/mosaic/index.html>

Element	Code	Description
Residential Units	SGFRES.ResidentialUnits	The estimated number of households within the postal code.
Population	SGFRES.Population	The estimated number of people living within the postal code.

Singapore Mosaic Affluence and Status

Identifier: **SGFFC1**

This DataPlus set returns 'Factor 1' data, which indicates the affluence and status of the residents of a given postal code.

Mosaic Affluence and Status Factors are available as:

Scores	–	A positive score indicates that the residents of a postcode are above average for the characteristic compared with Singapore as a whole; a negative score indicates that they are below average. The magnitude of the score indicates how far the postcode is from the average. Scores have a mean of 0 and standard deviation of 1.
Percentiles	–	Percentiles range from 0 to 99; each percentile contains 1% of households. A percentile of 99 represents the 1% of households with the highest score.
Deciles	–	Similar to percentiles, deciles range from 0 to 9; each decile contains 10% of households.

High Factor 1 scores occur in areas where individuals are likely to have progressed through higher education to professional and managerial roles. High scores are likely to be found in areas where real estate is at a premium.

Low (negative) Factor 1 scores occur in areas where individuals live typically in HDB housing. In these areas property values are amongst the lowest in Singapore.

This data is sourced from Experian's MOSAIC Singapore database. For more information, visit [Experian's Singapore MOSAIC website](http://www.experian.com.sg/mosaic/index.html):

<http://www.experian.com.sg/mosaic/index.html>

Element	Code	Description
Factor 1 Score	SGFFC1.Factor1	The Factor 1 score for this postal code.
Factor 1 Percentile	SGFFC1.Factor1Percentile	The Factor 1 percentile for this postal code.
Factor 1 Decile	SGFFC1.Factor1Decile	The Factor 1 decile for this postal code.

Singapore Mosaic Life Stages

Identifier: **SGFFC2**

The SGFFC2 DataPlus set returns 'Factor 2' data, which indicates the life stage of the residents of a given postal code.

Mosaic Life Stages Factors are available as:

Scores	–	A positive score indicates that the residents of a postcode are above average for the characteristic compared with Singapore as a whole; a negative score indicates that they are below average. The magnitude of the score indicates how far the postcode is from the average. Scores have a mean of 0 and standard deviation of 1.
Percentiles	–	Percentiles range from 0 to 99; each percentile contains 1% of households. A percentile of 99 represents the 1% of households with the highest score.
Deciles	–	Similar to percentiles, deciles range from 0 to 9; each decile contains 10% of households.

High Factor 2 scores occur in areas where there is a high proportion of married people. These are people tend to be in their 30s and 40s and potentially have a larger family.

Low (negative) Factor 2 scores occur in areas where there are a high proportion of people who are aged 60 and over, who are often single and own few assets.

This data is sourced from Experian's MOSAIC Singapore database. For more information, visit [Experian's Singapore MOSAIC website](#):

<http://www.experian.com.sg/mosaic/index.html>

Element	Code	Description
Factor 2 Score	SGFFC2.Factor2	The Factor 2 score for this postal code.
Factor 2 Percentile	SGFFC2.Factor2Percentile	The Factor 2 percentile for this postal code.
Factor 2 Decile	SGFFC2.Factor2Decile	The Factor 2 decile for this postal code.

Using This Data

This chapter provides search tips and other product-specific information when using Pro, Pro Web, or Batch.

These searches are accurate at the time of data release. However, search results may differ depending on the data release you are using.

With Pro

Search Examples: Typedown

Enter postcode or street

The following table provides a list of these example search types:

- Full address known
- Postal code not known

Search Type	Example
Full address known	<ol style="list-style-type: none">1. Enter the postal code, 637594, and press Enter.2. Almost all Singapore addresses are assigned a unique postal code. If the postal code applies to more than one delivery point then you must enter the premises details and press Enter.3. The correct address is returned: 54 Tuas View Square #01-01 Singapore 637594
Postal code not known	<ol style="list-style-type: none">1. Start typing the street name. In this example you only need to enter the first four letters, parb, to uniquely identify Parbury Avenue. Press Enter.2. Enter the premises number, 10, and press Enter.3. The correct address is returned: 10 Parbury Avenue Singapore 467285

Search Examples: Single Line

Enter search

The following table provides a list of these example search types:

- Full address known
- Postal code not known
- Only street name known
- Character missing from address
- Address contains spelling mistake
- Incomplete address element (tagged)

Search Type	Explanation
Full address known	<ol style="list-style-type: none">1. Enter the postal code: 2896632. The correct address is returned: 776A Dunearn Road Singapore 289663 <p>Note that a small number of postal codes cover more than one delivery point. In these cases you can include the premises details in your search, or choose the correct premises from the picklist.</p>
Postal code not known	<ol style="list-style-type: none">1. If the postal code is not known, enter the premises details and the street name: 2c,belimbing avenue2. The correct address is returned: 2C Belimbing Avenue Singapore 349938
Only street name known	<p>If only the street name is known, entering it returns a picklist from which the correct one can be selected.</p> <p>Enter boat quay to view a list of every street with that name in Singapore.</p>
Character missing from address	<p>If a character is missing from the address the unknown character can be replaced with a question mark.</p> <p>Enter 6,?ractor road and the correct address is returned: 6 Tractor Road Singapore 627967</p>
Address contains spelling mistake	<p>Entering an address that contains one or more spelling errors can still return the correct address.</p> <p>For example, entering 200,lovinder street will still return the correct address: 200 Lavender Street Singapore 338761</p>
Incomplete address element (tagged)	<p>Sometimes it is helpful to tag a part of the search string to let Pro know which part of the address it is. For a list of available search constraints, see below.</p> <p>Searching on high*@s tells Pro to display a picklist of streets that begin with "High..."</p>

Search Constraints

The following search constraints can be used to restrict searches when using the Single Line search engine in Pro or Batch Interactive.

Constraint	Element Restricted To	Example Search
@S	Street	raffles*@S
@X	Postal code	2379*@x
@P	Building number and building name	garden@p

With Pro Web

Scenarios

The following table indicates the relevant search examples for each Pro Web scenario and search engine that supports SGF address data.

Scenario	Search engine	For search examples, see:
Address Capture on the Intranet	Single Line hierarchical	Pro Single Line search examples on page 11 .
Address Capture on the Web	Single Line flattened	Pro Single Line search examples on page 11 .
Address Verification on the Web	Verification	Verification search examples on page 12 .
Address Capture	Single Line flattened	Pro Single Line search examples on page 11 .
Address Verification	Verification	Verification search examples on page 12 .
Single Line	Single Line hierarchical	Pro Single Line search examples on page 11 .
Standard	Typedown	Pro Typedown examples on page 10 .
	Single Line hierarchical	Single Line search examples on page 11 .
ActiveX Control	Typedown	Pro Typedown examples on page 10 .
	Single Line hierarchical	Single Line search examples on page 11 .

Search Examples: Verification

Users of Pro Web can use address verification functionality to verify a customer's address once they have typed it in full into a web form.

The following table provides a list of example searches and the Verify level they return.

Verify level	Example
Verified	80 Jupiter Road Singapore 576558 This search brings back a verified address with the verify level of "Verified".
Multiple	Xilin Avenue Tanah Merah Country Club This search shows what is returned if the user attempts to verify an address without knowing the premises number or the postal code. The search brings back a verify level of "Multiple" and offers a picklist of possible addresses.

Verify level	Example
None	<p>Missing Street Singapore</p> <p>This search brings back a verify level of "None" because the address does not exist in the data.</p>
StreetPartial	<p>Mayflower Way Mayflower Gardens Singapore 568510</p> <p>This search brings back a verify level of "StreetPartial" because the search did not define a property number for the location, and the postal code applies to more than one delivery point.</p>
PremisesPartial	<p>161 Lavender Street Singapore 338750</p> <p>This search brings back a verify level of "PremisesPartial" as there is more than one apartment at the address.</p>
InteractionRequired	<p>Singapore 759693</p> <p>This search brings back a verify level of "InteractionRequired" as the street name was not included and, although there was only one match, the address requires verification from the user.</p> <p>340 Dahan Road Singapore 759693</p>

For more information about the Verification engine, refer to the Address Verification section of the *Pro Web Integration Guide*.

With Batch

If you are using Batch to clean your database against more than one dataset, DataPlus information cannot be configured.

This section details the information relevant to using Batch with SGF data.

Dataset-Specific Input Fields

When you are configuring a Batch session, you can specify the address elements which are contained in your input fields. This can speed up the cleaning process as Batch does not have to work out which address element is contained within a field.

The following table describes the input fields that you can specify for SGF data, and the address elements that Batch will expect for each. The field types are available from the **Set Field Type** drop-down menu in the Select Input Fields dialog of the Batch Configuration Wizard.

Input Field Type	Expected Address Element
Company	Company
Street line	Street, premises
Premises only	Premises
Locality/Postcode	Locality, postal code
Locality	Locality
Postcode	Postal code
Country	Country/ISO code

If your input field contains more than one address element, you can specify these from the **Multiple Elements** sub-menu. For example, you can specify that the Town and Postal code elements are stored in the same field in your input database. The dataset-specific input field types available for SGF data are:

Input Field Type	Expected Address Element
Building number	Building number
Street	Street
Floor-unit number	Floor-unit number
Building name	Building name
Locality	Locality
Postcode	Postal code
Country	Country/ISO code

Dataset-Specific Information Bits

This section contains details about SGF-specific information bits.

- For Standalone users, SGF-specific information bits are returned as the first 8 digits of the 16-digit extended match result as displayed in Interactive.
- For API users, these are returned by the function **QABatchWV_GetMatchInfo** as parameter *rlCountryInfo1*, and from the function **QABatchWV_Clean** in the parameter *rsReturnCode* from the 13th to 20th characters. Refer to the Batchmanual for further information about these functions.

The following table provides a full list of SGF-specific information bits that can be returned.

Information Bit	Description
00000001	Floor/unit numbers were supplied, but not matched in the data. The supplied floor/unit numbers have been returned as part of the address.
00000002	Additional unit information was supplied, but is not available in the dataset. The supplied additional unit information has been returned as part of the address.

Search Examples: Batch Interactive

For information about the best methods for searching on SGF addresses using Batch Interactive, please refer to the Single Line search examples on [page 11](#) and to the Typedown search examples on [page 10](#).