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# FACTSET PERMANENT SECURITY IDENTIFIER

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## FactSet Permanent Security Identifier

This document includes detailed information about FactSet’s Security Permanent Identifier. It provides allocation rules, and examples per security type and corporate action.

### Contents

Overview.....	3
Description of FactSet Permanent Identifier.....	3
Security Level.....	3
Regional Level .....	4
Listing Level .....	4
Examples of Permanent Identifier .....	4
Common Stock.....	4
Dually Listed.....	5
Multiple Currency Listings per Region.....	5
Common Stock and Temporary Issue .....	5
Multiple Share Classes.....	6
Corporate Bond.....	7
Sovereign Debt .....	7
Municipal Bond.....	7
Permanent Identifier Downloading .....	7
FQL Formulas .....	7
Screening Formulas .....	8
Corporate Actions Effect on the Permanent Identifier .....	8
Ticker Change.....	8
Identifier Change (ISIN/CUSIP/SEDOL).....	9
Split .....	9
Name Change .....	10
Merger/Acquisition.....	10
Merger with Survivor .....	10
Merger without Survivor .....	12
Merger and Spinoff.....	12
When-Issued .....	13
Pre-IPO/Post-IPO.....	15
Change from Temporary FactSet Identifiers to Official Identifiers .....	15
Delisting .....	16

Assimilation (Exchange of Security) .....	16
Primary Exchange Changes.....	17
Currency Change .....	17
Legacy Permanent Identifier.....	18
Stock Connect .....	18

## Overview

The FactSet permanent identifier allows you to align data that may be stored with various identifiers, such as historical and current CUSIP, ISIN, and SEDOL, using a single, stable identifier. The permanent identifier facilitates the bulk delivery of content by providing a unique record key and a convenient way to link across content sets. Additionally, if your firm does not have licenses for the symbol systems (e.g., CUSIP, SEDOL, ISIN), the permanent identifier provides a way to deliver security and listing-level data.

## Description of FactSet Permanent Identifier

The permanent identifier symbol system consists of the following symbol types:

- Security Level
- Regional Level
- Listing Level

### Security Level

<b>Format</b>	Six alpha-numeric characters, excluding vowels, with an -S suffix (XXXXXX-S)
<b>Definition</b>	Identifies a security
<b>Allocation Rules</b>	All equity and fixed income securities that exist on FactSet are allocated a security-level permanent identifier
<b>Timeliness</b>	For equities and fixed income instruments, the security-level permanent identifier is available after the security is available in our system
<b>Example</b>	DJC0PL-S (FactSet common stock)

## Regional Level

<b>Format</b>	Six alpha-numeric characters, excluding vowels, with an -R suffix (XXXXXX-R)
<b>Definition</b>	Identifies the security's best regional security data series per currency
<b>Allocation Rules</b>	For equities, all primary listings per region and currency are allocated a regional-level permanent identifier
<b>Timeliness</b>	The regional-level permanent identifier will be available once a SEDOL representing the region/currency has been allocated and the identifiers are on FactSet
<b>Examples</b>	SQFMK3-R (Best U.S. regional series for FactSet common stock in U.S. dollars) S48GGL-R (Best DE regional series for FactSet common stock in euros) PJRXXL-R (Best RU regional series for Gazprom common stock in rubles) TMY2H6-R (Best RU regional series for Gazprom common stock in U.S. dollars)

## Listing Level

<b>Format</b>	Six alpha-numeric characters, vowels excluded, with an -L suffix (XXXXXX-L)
<b>Definition</b>	Identifies a security's listing
<b>Allocation Rules</b>	For equities, once the listing ticker is available in our system
<b>Timeliness</b>	The listing-level permanent identifier will be available prior to the end of trading on the first day of trading
<b>Examples</b>	WDJ5Q6-L (Frankfurt listing of FactSet common stock) CDFQJX-L (Berlin listing of FactSet common stock) MFRPJG-L (New York Stock Exchange listing of FactSet common stock)

## Examples of Permanent Identifier

### Common Stock

Name	Security PermID
International Business Machines Corporation	MCPQD9-S

Region	Ticker	Currency	Regional PermID
US	IBM	USD	SJY281-R

Region	Exchange	Ticker	Currency	Listing PermID
US	NYS	IBM	USD	NM6QRZ-L

## Dually Listed

Name	Security PermID
Holloway Lodging Corp.	RLHCJH-S

Region	Ticker	Currency	Regional PermID
CA	HLC	CAD	VKFRWJ-R
US	HLLOF	USD	W4LXZ1-R

Region	Exchange	Ticker	Currency	Listing PermID
CA	TSE	HLC	CAD	CTVZDJ-L
US	OTC	HLLOF	USD	PN32PF-L

## Multiple Currency Listings per Region

Name	Security PermID
Bank Vozrozhdenie	MXRTHV-S

Region	Ticker	Currency	Regional PermID
RU	VZRZ	RUB	N1C6ZD-R
RU	VZRZ	USD	S4JCK0-R

Region	Exchange	Ticker	Currency	Listing PermID
RU	MIC	VZRZ	RUB	CZM89R-L
RU	MIC	VZRZ.NM	RUB	G6WVSR-L
RU	MIC	VZRZ.RM	RUB	VVM2NW-L
RU	RUS	VZRZG	RUB	LMXQ0W-L
RU	RUS	VZRZ	USD	G37J2V-L

## Common Stock and Temporary Issue

Common stocks and temporary issues will have distinct security-, regional-, and listing-level permanent identifiers.

Name	Security PermID
Voltalia Common Stock	DM10M3-S

Region	Ticker	Currency	Regional PermID
FR	VLTA	EUR	N5PS79-R

Region	Exchange	Ticker	Currency	Listing PermID
FR	PAR	VLTA	EUR	WBD3BV-L

Name	Security PermID
Volitalia TEMP	VS8HQ7-S

Region	Ticker	Currency	Regional PermID
FR	VLNR	EUR	PX7XWP-R

Region	Exchange	Ticker	Currency	Listing PermID
FR	PAR	VLNR	EUR	CQGG4H-L

### Multiple Share Classes

Name	Security PermID
Berkshire Hathaway Inc. Class A	MFY3RF-S

Region	Ticker	Currency	Regional PermID
US	BRK.A	USD	CRHRT-R

Region	Exchange	Ticker	Currency	Listing PermID
US	NYS	BRK.A	USD	HYX1FJ-L

Name	Security PermID
Berkshire Hathaway Inc. Class B	N138TY-S

Region	Ticker	Currency	Regional PermID
US	BRK.B	USD	DBNXVB-R

Region	Exchange	Ticker	Currency	Listing PermID
US	NYS	BRK.B	USD	JK26J1-L

**Corporate Bond**

Name	Security PermID
Orange SA FRN 29-JAN-2015	LWHQ5C-S

**Sovereign Debt**

Name	Security PermID
Government of France 0.0% 25-APR-2038	TYMW8L-S

**Municipal Bond**

Name	Security PermID
Oregon St 5.305% 01-JUN-2016	QFKQNG-S

Permanent Identifier Downloading

**FQL Formulas**

Formula Name: `FSYM_SECURITY_PERM_ID`

**Arguments**

Argument Type	Description	Formula	Results	Example
Security	Returns the security level permID	<code>FSYM_SECURITY_PERM_ID("Security")</code>	XXXXXX-S	MFY3RF-S
Regional_new	Returns the regional level permID	<code>FSYM_SECURITY_PERM_ID("Regional_new")</code>	XXXXXX-R	CRHRRT-R
Listing	Returns the listing level permID	<code>FSYM_SECURITY_PERM_ID("Listing")</code>	XXXXXX-L	HYX1FJ-L
Default	Returns the regional level permID for equities and and security level permID for fixed income	<code>FSYM_SECURITY_PERM_ID("Default")</code>	XXXXXX-R (Equity) XXXXXX-S (Fixed Income)	CRHRRT-R B000VV-S

**Equity Example**

Symbol	^=FSYM_SECURITY_PERM_ID("Security")	^=FSYM_SECURITY_PERM_ID("Regional_new")	^=FSYM_SECURITY_PERM_ID("Listing")	^=FSYM_SECURITY_PERM_ID("Default")
FDS-US	DJCOPL-S	SQFMK3-R	MFRPJG-L	SQFMK3-R
FA1-DE	DJCOPL-S	S48GGL-R	WDJ5Q6-L	S48GGL-R
30307510	DJCOPL-S	SQFMK3-R	MFRPJG-L	SQFMK3-R
232977	DJCOPL-S	SQFMK3-R	MFRPJG-L	SQFMK3-R
US303075105	DJCOPL-S	SQFMK3-R	MFRPJG-L	SQFMK3-R
DJCOPL-S	DJCOPL-S	SQFMK3-R	MFRPJG-L	SQFMK3-R
S48GGL-R	DJCOPL-S	S48GGL-R	WDJ5Q6-L	S48GGL-R
WDJ5Q6-L	DJCOPL-S	S48GGL-R	WDJ5Q6-L	WDJ5Q6-L
FA1-FRA	DJCOPL-S	S48GGL-R	WDJ5Q6-L	WDJ5Q6-L
FDS-NYS	DJCOPL-S	SQFMK3-R	MFRPJG-L	MFRPJG-L

**Fixed Income Example**

Symbol	^=FSYM_SECURITY_PERM_ID("security")	^=FSYM_SECURITY_PERM_ID("default")
US298785DL7	GSBKLR-S	GSBKLR-S
298785DL	GSBKLR-S	GSBKLR-S
B23K55	GSBKLR-S	GSBKLR-S
GSBKLR-S	GSBKLR-S	GSBKLR-S
GSBKLR.FI-PAR	GSBKLR-S	GSBKLR-S

**Screening Formulas**

The same formula name and arguments apply to the Screening formula. A security must be in the Screening universe for the formula to return results.

**Corporate Actions Effect on the Permanent Identifier**

**Ticker Change**

When a listing ticker changes, the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** Due to a name change from UHF Inc. to Adamant DRI Processing and Minerals Group, the ticker changed from UHFI-OTC to ADMG-OTC on 29-Aug-2014. The following shows the results of the name change and 1 for 1 exchange of security from UHF Inc. to Adamant DRI Processing and Minerals Group.

**Before the ticker change:**

Listing Ticker-Exch	Listing PermID	Regional PermID	Security PermID
UHFI-OTC	PN2C9R-L	MTF1LG-R	QY12T7-S



**After the ticker change:**

Listing Ticker-Exch	Listing PermID	Regional PermID	Security PermID
ADMG-OTC	PN2C9R-L	MTF1LG-R	QY12T7-S

**Identifier Change (ISIN/CUSIP/SEDOL)**

When an ISIN, CUSIP, or SEDOL changes, the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** The identifiers (ISIN, CUSIP, SEDOL) for First Mountain Exploration Inc. changed on 2-Sep-2014 due to a reverse split 1 for 2.5.

**Before the identifier change:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID
CA321053100	32105310	B7KGSF	HQYRVH-L	X04JW1-R	DHZ44K-S

**After the identifier change:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID
CA32105P101	32105P10	BQNHBM	HQYRVH-L	X04JW1-R	DHZ44K-S

**Split**

A typical forward/reverse split will result in identifier changes (ISIN/CUSIP/SEDOL). When identifier changes result from a split (forward/reverse), the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** The identifiers (ISIN, CUSIP, SEDOL) change because of a reverse split 1 for 2.5 effective 2-Sep-2014 for First Mountain Exploration Inc.

**Before the identifier change:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID
CA321053100	32105310	B7KGSF	HQYRVH-L	X04JW1-R	DHZ44K-S

**After the identifier change:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID
CA32105P101	32105P10	BQNHBM	HQYRVH-L	X04JW1-R	DHZ44K-S

**Exception – French Pre/Post Split**

French Pre/Post split securities will also result in identifier changes (ISIN/CUSIP/SEDOL). After the split, new permanent identifiers are issued along with the new ISIN/CUSIP/SEDOL, because it trades parallel to one another.

**Example:** Voltalia had a reverse split 1 for 10 effective 20140707. Prior to the French line split, SEDOL B14L3G was the primary common equity for Voltalia. After the French line split, the newly listed security under SEDOL BNLPTL became the primary common equity. The previous primary under SEDOL B14L3G changes to temporary line and then stops trading at a later date.

**Before the split:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
FR001030222	F9817710	B14L3G	CQGG4H-L	PX7XWP-R	VS8HQ7-S	Common Share, Parent Equity

**After the split:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
FR001199558	F9817712	BNLPTL	WBD3BV-L	N5PS79-R	DM10M3-S	Common Share, Parent Equity

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
FR001030222	F9817710	B14L3G	CQGG4H-L	PX7XWP-R	VS8HQ7-S	Temporary

## Name Change

When a name change takes place with or without identifier changes, the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** As a result of a reorganization and exchange of security 1 for 1 effective 2-Sep-2014, Consolidation Services Inc., changed its name to Mongolia Holdings Inc. and made the following changes to the ISIN/CUSIP/SEDOL/Ticker.

**Before the name change:**

Old Name	Listing PermID	Regional PermID	Security PermID
Consolidation Services, Inc.	RBGL21-L	GNBXTR-R	RLCNG0-S

**After the name change:**

New Name	Listing PermID	Regional PermID	Security PermID
Mongolia Holdings Inc.	RBGL21-L	GNBXTR-R	RLCNG0-S

## Merger/Acquisition

### Merger with Survivor

When a merger takes place where there is a clear survivor, the permanent security identifier for the surviving company does not change and remains active. The permanent security identifier for the non-surviving company does not change, but the security is made inactive.

**Example:** The America West Holdings Corp (CUSIP: 02365720) and US Airways Group Inc., (CUSIP: 91190550) merger and exchange of security to form new US Airways Group Inc. occurred in 27-Sep-2005. The American West Holdings Corp exchange of security was 1 for 0.4125. American West Holdings Corp was the surviving entity in this merger and the name changed to US Airways Group Inc.

**Prior to the merger:**

America West Holdings Corp

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US023657208	02365720	204014	R5KL8H-L	J2MT31-R	HCYM26-S	Common Share, Parent Equity

US Airways Group, Inc.

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US911905503	91190550	257423	SN0F7N-L	NPQ36G-R	SPB4SR-S	Common Share, Parent Equity

**After the merger:**

US Airways Group, Inc. (Old)

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US911905503	91190550	257423	SN0F7N-L	NPQ36G-R	SPB4SR-S	Common Share, Parent Equity	Inactive

US Airways Group, Inc. (New)

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US90341W108	90341W10	B0LGKM	R5KL8H-L	J2MT31-R	HCYM26-S	Common Share, Parent Equity

## Merger without Survivor

When a merger takes place where there is no survivor, the permanent security identifier for the non-surviving company securities will not change, but is made inactive. A new permanent security identifier is created for the new company's security and is marked active.

AMR Corporation and US Airways Group, Inc., merged to form a brand new entity American Airlines Group, Inc.

- AMR Corporation exchange of security 1 for 0.0665 effective 9-Dec-2013
- US Airways Group Inc., exchange of security 1 for 1 effective 9-Dec-2013

### Prior to the merger:

AMR Corporation

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US001765106	00176510	200169	JQWLKB-L	H1PKGQ-R	LQCKJX-S	Common Share, Parent Equity

US Airways Group Inc.

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US90341W108	90341W10	BOLGKM	R5KL8H-L	J2MT31-R	HCYM26-S	Common Share, Parent Equity

### After the merger:

AMR Corporation

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US001765106	00176510	200169	JQWLKB-L	H1PKGQ-R	LQCKJX-S	Common Share, Parent Equity	Inactive

US Airways Group, Inc

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US90341W108	90341W10	BOLGKM	RSKL8H-L	J2MT31-R	HCYM26-S	Common Share, Parent Equity	Inactive

American Airlines Group, Inc.

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
US02376R102	02376R10	BCV7KT	P30VT7-L	CSFJSZ-R	SHTK18-S	Common Share, Parent Equity

## Merger and Spinoff

When there is a merger and a spinoff, the permanent identifier treatment for the merged entities follow the expectations based on the explanation provided in sections "[Merger with Survivor](#)" and "[Merger without Survivor](#)" and the new spun off company/security will receive a new unique security permanent identifier.

Westfield Group and Westfield Retail Trust merged to form Westfield Corporation and spun off Scentre Group.

**Example:** Westfield Retail Trust exchange of security 1 for 0.918 of Scentre Group shares and Westfield Group 1 for 1 exchange of security with Westfield Corp and 1.246 shares of Scentre Group effective 24-Jun-2014.

FactSet handles all mergers and spinoffs on a case-by-case basis and considers areas such as filings and vendor/index treatments.

**Prior to mergers and spinoffs:**

Westfield Group

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU000000WDC	Q9706210	B01BTX	MWRQ5N-L	LQ7VGF-R	M0BGKQ-S	Common Share, Parent Equity

Westfield Retail Trust

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU000000WRT	Q9714510	B62488	Q6NDYC-L	Q5FJPT-R	PGW84N-S	Common Share, Parent Equity

**After the mergers and spinoffs:**

Westfield Retail Trust

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description	Status
AU000000WRT	Q9714510	B62488	Q6NDYC-L	Q5FJPT-R	PGW84N-S	Common Share, Parent Equity	Inactive

Westfield Group renamed Westfield Corporation

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU000000WFD	Q9701H10	BMMVVX	MWRQ5N-L	LQ7VGF-R	M0BGKQ-S	Common Share, Parent Equity

Scentre Group

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU000000SCG	Q8351E10	BLZHOZ	HRKDYJ-L	VVH115-R	PGX13W-S	Common Share, Parent Equity

**When-Issued**

**Trading Parallel to a Regular-Way Trading Security (Scenario 1)**

If a when-issued basis security lists and trades parallel to a regular-way trading security, two separate securities will be available under the given issuer for regular-way and when-issued trading. Therefore the security-, regional, and listing-level permanent identifier associated with the listing will have separate identifiers available for -S, -L, and -R during and after this trading period.

**Example:** Citigroup Inc., listed when-issued shares (C.WD) effective 21-Jul-2009 trading parallel to the regular way trading shares (C) and delisted the when-issued trading effective 31-Jul-2009.

**Prior to when-issued listing:**

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
17296742	C	J7ZKBQ-L	RK3DL5-R	T6BMPP-S	Common Share, Parent Equity	Active

**During when-issued listing:**

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
17296742	C	J7ZKBQ-L	RK3DL5-R	T6BMPP-S	Common Share, Parent Equity	Active

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
1729671W	C.WD	H7D5BH-L	QMZ1YM-R	D57DK9-S	Temporary	Active

**After when-issued delisting:**

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
17296742	C	J7ZKBQ-L	RK3DL5-R	T6BMPP-S	Common Share, Parent Equity	Active

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
1729671W	C.WD	H7D5BH-L	QMZ1YM-R	D57DK9-S	Temporary	Inactive

**Trading Parallel to a Regular-Way Trading Security (Scenario 2)**

If a when-issued basis security lists and trades parallel to a regular-way trading security, two separate securities will be available under the given issuer for the regular-way and when-issued trading and each will receive distinct security permanent identifiers. Then based on the terms of a specific corporate event, the when-issued identifiers will change to regular-way identifiers and merge with the existing primary identifier. When this happens, two securities that had distinct permIDs are merged together, resulting in one permanent identifier surviving and one being retired. The permanent identifier of the temporary security is retired.

**Example:** Intercontinental Exchange, Inc., formation of holding company Intercontinental Exchange Group Inc., with a 1 for 1 exchange of security effective 13-Nov-2013. In this case, the when-issued security under CUSIP 45866F10 had overlap prices from 1-Nov-2013 to 12-Nov-2013 parallel to the regular-way trading security under CUSIP 45865V10. Therefore, prior to stitching with CUSIP 45865V10, the when-issued prices under CUSIP 45866F10 were cut off from 1-Nov-2013 to 12-Nov-2013 and stitched to the regular-way trading security.

**Prior to when-issued listing:**

Intercontinental Exchange, Inc. (Regular-Way Trading)

Equity ISIN	Equity CUSIP	SEDOL	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US45865V100	45865V10	BOPBS8	ICE	KSV6Y0-L	JKGP5M-R	H6GV8W-S	Common Share, Parent Equity	Active

**During when-issued listing:**

Intercontinental Exchange Group Inc. (When-Issued Trading) and Intercontinental Exchange, Inc (Regular-Way Trading)

Equity ISIN	Equity CUSIP	SEDOL	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US45865V100	45865V10	BOPBS8	ICE	KSV6Y0-L	JKGP5M-R	H6GV8W-S	Common Share, Parent Equity	Active

Equity ISIN	Equity CUSIP	SEDOL	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US45866F104	45866F10	BFSSDS	ICE.WI	PDT6H1-L	DPS8RN-R	QOJVSV-S	Temporary	Active

**After the change:**

Both securities are stitched and the permanent identifiers of when issued record is removed:

Equity ISIN	Equity CUSIP	SEDOL	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description	Status
US45866F104	45866F10	BFSSDS	ICE	KSV6Y0-L	JKGP5M-R	H6GV8W-S	Common Share, Parent Equity	Active
				<del>PDT6H1-L</del>	<del>DPS8RN-R</del>	<del>QOJVSV-S</del>		

**When-Issued Listing Changes to Regular-Way Trading**

If a when-issued basis security lists first and changes to a regular-way trading, the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** Sprint Corp listed as a when-issued security effective 8-Jul-2013 and changed to regular-way trading on 12-Jul-2013.

**When-issued listing and trading:**

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description
85207U10	S.WD	B596PM-L	B596PM-L	BB0C2F-S	Common Share, Parent Equity

**After change to regular-way trading:**

Equity CUSIP	Ticker	Listing PermID	Regional PermID	Security PermID	Security Description
85207U10	S	B596PM-L	B596PM-L	BB0C2F-S	Common Share, Parent Equity

**Pre-IPO/Post-IPO**
**Change from Temporary FactSet Identifiers to Official Identifiers**

Prior to the release of valid identifiers for an upcoming IPO, FactSet provides a temporary identifier. After the official identifiers are available, FactSet processes the temporary identifier as an identifier change to the valid identifiers. The temporary FactSet identifiers do not have –L and –R available prior to the availability of valid identifiers; therefore, the security-level permanent identifier does not change.

**Example:** Prior to the IPO of Auris Medical Holding AG, FactSet provided the identifier FDS08F8Q on 3-Jul-2014. Then a week prior to the IPO effective 6-Aug-2014, the valid identifiers (ISIN, CUSIP, SEDOL, and Ticker) were updated.

**Pre IPO**

Equity ID	Listing PermID	Regional PermID	Security PermID
FDS08F8Q			R79609-S

**Post IPO**

Equity CUSIP	Listing PermID	Regional PermID	Security PermID
H0357910	SPNPK9-L	DY1P3N-R	R79609-S

**Delisting**

When a delisting is based on a corporate action without any identifier changes, the security-, regional-, and listing-level permanent identifier associated with the listing do not change.

**Example:** Susser Holdings Corporation delisted effective 29-Aug-2014 after a company amalgamation/takeover into Energy Transfer Partners LP.

**Prior to delisting:**

Equity CUSIP	Listing PermID	Regional PermID	Security PermID	Name
86923310	V3TRHZ-L	JKCBTH-R	KFQ918-S	Susser Holdings Corporation

**After delisting:**

Equity CUSIP	Listing PermID	Regional PermID	Security PermID	Name
86923310	V3TRHZ-L	JKCBTH-R	KFQ918-S	Susser Holdings Corporation

**Assimilation (Exchange of Security)**

A corporate action resulting in a new listing on a deferred delivery basis is handled in the following ways:

The primary equity will announce a corporate action (e.g., forward/reverse split) and trade on a deferred delivery basis under the temporary identifier, and then assimilate to the main line and continue to trade under the primary equity line.

Two separate securities will be available under the primary equity and the temporary line (i.e., deferred trading); therefore, the security-, regional-, and listing-level permanent identifier associated with the listing will have separate identifiers available for -S, -L, and -R during and after this trading period.

**Example:** OMI Holdings Ltd announced a reverse split 1 for 3.769268266502 effective 22-Aug-2014 and deferred delivery trading from 22-Aug-2014 to 2-Sep-2014 under SEDOL BQ5BM7. It then assimilated to the mainline trading effective 2-Sep-2014.



**Prior to deferred delivery trading:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU000000OMI	Q7055P12	629318	GB5PGS-L	PZH5ZP-R	HTKHQ4-S	Common Share, Parent Equity

**During deferred delivery trading:**

Equity ISIN	Equity CUSIP	SEDOL	Listing PermID	Regional PermID	Security PermID	Security Description
AU00000MIDA	Q7121111	BQ5BM7	GMLDH6-L	NK2ZWS-R	T04VF6-S	Temporary

## Primary Exchange Changes

The primary listing exchange from one exchange to another under the same region will result in a listing-level permanent identifier change, but not security- or regional-level identifier change.

**Example:** Aurinia Pharmaceuticals Inc., delisted from OTC exchange effective 29-Aug-2014 and moved the primary listing exchange in the U.S. to NASDAQ effective 2-Sep-2014.

**Prior to primary listing exchange change for a region:**

Listing Exchange	Listing PermID	Regional PermID	Security PermID
OTC	LWR279-L	JWMNY7-R	FVCMYZ-S

**After the primary listing exchange change for a region:**

Listing Exchange	Listing PermID	Regional PermID	Security PermID
NAS	NLPC24-L	JWMNY7-R	FVCMYZ-S

## Currency Change

When a currency changes under a given listing, the security-, regional-, and listing-level permanent identifiers associated with the listing do not change.

**Example:** Sony Corporation GB (LON) listing changed its trading currency from JPY to EUR effective 2-Sep-2014.

**Prior to the currency change:**

Listing Sedol	Old currency	Listing PermID	Regional PermID	Security PermID
082168	JPY	B6WK9F-L	FPV514-R	S5FBX8-S

**After the currency change:**

Listing Sedol	New currency	Listing PermID	Regional PermID	Security PermID
082168	EUR	B6WK9F-L	FPV514-R	S5FBX8-S

## Legacy Permanent Identifier

Prior to the introduction of security-, regional-, and listing-level permanent identifiers, FactSet made available and continues to make available, a legacy regional-level permanent identifier that is created by concatenating the security-level permanent identifier and the region in which the identifier resolves. The legacy permanent identifier resolves to the primary listing per region. In cases where there are multiple SEDOLs issued in the same region with different trading currencies, the legacy permanent identifier was not granular enough to resolve to each primary region/currency listing. The secondary SEDOLs within these regions would only have returned the security-level permanent identifier, and since the permanent identifier resolves to the primary listing for the security, the results would not align with data specific to the secondary regional listing. Some examples of markets where this type of situation is found include Russia, Canada, and the United Kingdom.

**Example:** The common stock for Sberbank Russia OJSC has SEDOLs available in Russia trading in both U.S. dollars and Russian rubles. The legacy permanent identifier for the primary Russian listing is LN5CGX-S-RU. The legacy permanent identifier for the secondary Russian listing is LN5CGX-S. Both LN5CGX-S-RU and LN5CGX-S resolve to the primary RU listing trading in Russian rubles. The new regional permanent identifiers provide a solution. The new regional permanent identifier associated with the primary listing is LX0H52-R and the secondary Russian listing receives MH5N7L-R. Both new regional permanent identifiers resolve to their respective currency listings and SEDOLs.

## Stock Connect

In China and Hong Kong where Stock Connect SEDOLs represent the Northbound and Southbound trading between Shanghai and Hong Kong exchange venues, it is necessary to use the listing-level permanent identifier instead of the new regional-level identifier to represent the Stock Connect SEDOL. Both the main trading exchange SEDOL and the Stock Connect-issued SEDOL share the same region and currency. Since only one regional permanent identifier (“-R”) can exist for a single currency within a region, the permanent regional-level identifier will resolve only for the primary listing in that region. Both SEDOLs that share the same currency will resolve to the same regional-level permanent identifier, but the regional-level permanent identifier will only resolve to the primary listing SEDOL. The Stock Connect SEDOL listing in region Hong Kong and China will be secondary. To achieve the desired resolution for the secondary listing SEDOL, use the listing-level permanent identifier (“-L”). Therefore, if the exchange for the SEDOL is “HSC”, “SSC”, “SEC”, or “SZSC”, it will be necessary to use the listing-level permanent identifier.