SEDOL MASTERFILE™

TECHNICAL SPECIFICATIONS

VERSION 7.0

21 November 2008

VERSION CONTROL

Version	Date	Reason for Change
0.1	05 May 2003	First Draft
2.0	16 June 2003	Second Draft
3.0	08 July 2003	Third Draft
4.0	01 Sep 2003	Fourth draft
4.1	26 Nov 2003	Updated Fourth Draft
5.0	09 Dec 2003	Fifth Version
5.1	15 Dec 2003	Updated Fifth Version
5.2	22 Dec 2003	Section 14 - Removed duplicate CorporateActionID from the CA Detail Message. Section 11 & 14 - Changed AmountofTransfer fields from DEC (18,8) to DEC (18,4) in tabbed download file and upload file specifications. Section 14 - Removed erroneous "FileType" column from header record.
5.3	03 Aug 2004	Section 11.2.1 – Updated to include two new Bulk Upload fields Section 11.2.3 – Updated to include two new Bulk Upload fields Section 11.2.6 – Updated to include two new Bulk Upload fields Section 11.2.7 – Updated to include new error codes and descriptions related to the two new Bulk Upload fields
5.4	24 Aug 2004	Updated Section 17 Appendix D to include new ISO messages and opening paragraph.
5.5	16 Dec 2004	Section 5 – Removed all references to ISO product Section 11 – Updated to include new bulk upload enhancements Section 12 – Updated to include web services changes, ISO reference also removed
5.7	21 December 2005	Section 14 – Issuer table updated to include FTSE ICB code.

6.0	29 August 2006	Reference to new services added to Section 6 – Service Definition. Web services and MDDL references removed.
7.0	29 October 2008	Updated with new change file time changes, and new bulk upload details.

TABLE OF CONTENTS

1 PREFACE

This document provides complete technical details on interfacing with the SEDOL Masterfile (SMF) system. This document is intended for use by licence holders and direct subscribers of the service (e.g. data vendors, software houses, banks, developers and reference data administrators).

The Exchange may amend this Technical Specification at any time by the provision of at least two months' written notice or on less notice in the event that:

1. changes of a technical nature are to be made; or

2. rights owners' of third party data within the Data (please refer to Clause 6.3, section 14 and Appendix B of this document) make a change that affects the provision of such third party data to the Exchange and/or customers of the Exchange; or

3. matters beyond the reasonable control of the Exchange require that a change be made and the provision of two months' notice is not possible or would be detrimental to the Site, service and/or customers of the Exchange (provided always that as much notice as is reasonably practical in the circumstances is given).

2 REFERENCES

2.1 Documentation

The following documents are available on the Exchange's website:
www.londonstockexchange.com/sedol

[1] SEDOL Masterfile Pricing and Policy

2.2 Terms

The following terms are used throughout this specification:

Term	Description
Exchange	London Stock Exchange
SMF™	SEDOL Masterfile™

3 INTRODUCTION

3.1 Background

The SEDOL Masterfile is a central data repository for issuer and instrument data, with the SEDOL code contributing to a unique, country level, global instrument identifier. This unique code is intended to improve pricing, clearing and settlement across global markets for subscribing participants.

The current SMF service provides information on over 3.5 million global multi-asset securities, including equities, fixed income and derivatives.

The Exchange provides a 24/7 web based look-up service available to all SEDOL users, as well as allowing permissioned users to request new SEDOL codes in near real-time.

3.2 Document Purpose

The document presents the specification for the SMF services, providing a description of the SMF interface options, hardware and software configurations, file formats and a service definition.

This document should be read by all SMF licence holders.

3.3 Assumptions

It is assumed that readers have a good working knowledge of the following technologies:

- Hypertext Transfer Protocol (HTTP)
- Secure Sockets Layer (SSL)

4 ENVIRONMENT DEFINITION

4.1 Host Server Configuration

The SMF system has been built on state of the art hardware using the Unavista platform to meet the demands of its customers.

4.2 Customer Hardware Requirements

Customers are responsible for ensuring that the hardware they commit to receiving the SMF FTP download services is capable of processing the supplied data. The choice and implementation of the chosen hardware platform is the responsibility of the customer. The Exchange will consult with direct subscribers to determine specific requirements (e.g. data files required, data file formats required and frequency of downloads).

4.3 Customer Software Requirements

To facilitate the most effective transfer mechanism for the download services the following minimum software configuration is recommended for customers implementing a PC platform:

- Microsoft Windows NT
- Microsoft Internet Explorer Version 5.5 or above (The Internet browser will need Cookies and Javascript Enabled)
- Winzip version 6.2 or above

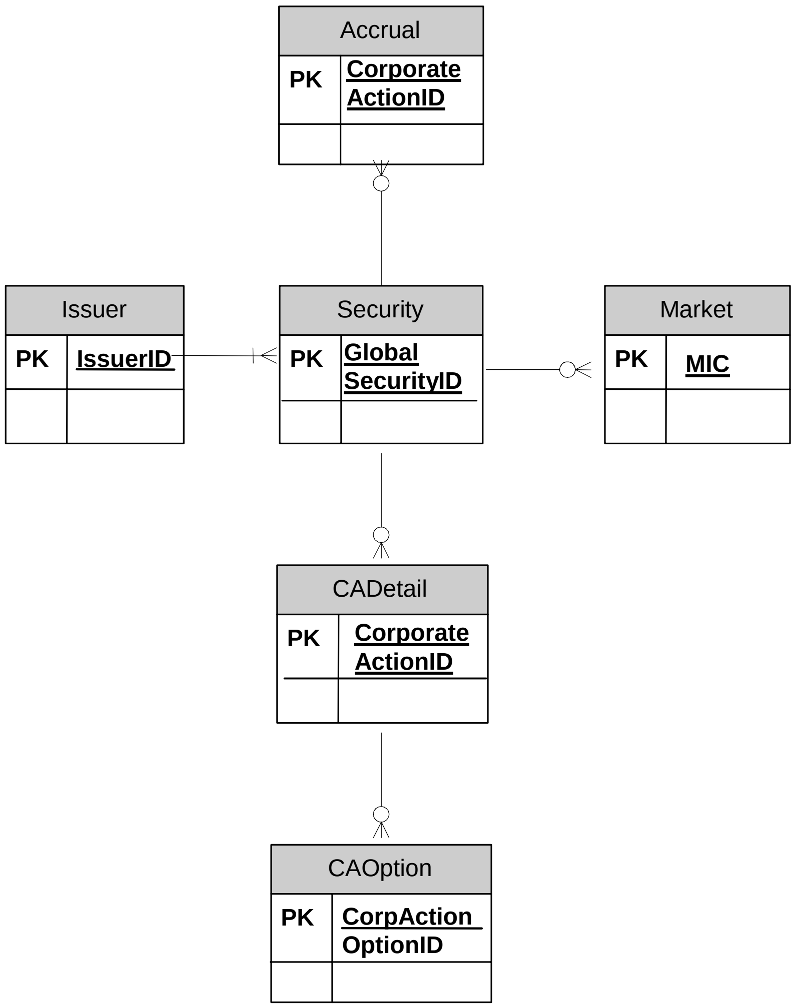
5 PROCESSING DETAILS

5.1 Introduction

All files in the data download service are provided in a compressed format to reduce download times for download service users. These can be decompressed at the user site using standard decompression software such as Winzip.

Each FTP location contains multiple files, the names of which indicate the service for which the current file was generated.The number of TAB files after decompression is dependent on the service requested. Standard files are available via FTP, and it is advised that files are requested from the FTP server no sooner than 30 minutes after file generation. Details of the file and folder structure and the times of standard file generation will be released only on subscription to the service.

The SEDOL Masterfile™ functional data model is as follows:



High Level Entity Diagram

Issuer ID, Security ID and Market ID will be unique and permanent and will never be re-used.

5.2 Processing Changes Files

The records in the changes files provide a chronological picture of each item in SMF. Each record in a file has an Action identifier to indicate if the row is an **I**nsert, an **U**pdate or a **D**elete to the database.

Defunct securities are indicated as **U**pdates in the Action Identifier field and the relevant *status* field has a value of ‘D’.

Each changes file should be processed in its entirety starting from the first data record in the file. Every file in the changes service must be applied to the database to provide a complete update.

5.3 Processing Full Files

Each file contains the full contents of SMF for the associated data table. The files also contain data with an Action Identifier of ‘F’ for full file. Full file downloads contain a full history of all records for that service, including deletions and defunct records.

5.4 Customer System Failure Recovery and First Day of Service

Two approaches to customer system failure can be used:

- For general processing failures, the previous days changes file and daily files up to seven days previous are available via standard delivery mechanisms. In addition, a weekly changes file is available up to four weeks previous..

- For more serious failures, or on the first day of the new services, the monthly full file should be applied using the following procedure:

  – All SMF information held on the customer’s database should be backed up and discarded

  – The full file and a set of subsequent change files covering the time since the full file was generated should be obtained

  – The full file should be applied to the database followed by the changes file.

This procedure will leave the customer synchronised with the main SMF database and ready to receive subsequent changes.

5.5 Download Files Naming Conventions

I. *Daily Change Files*

For standard **intraday** change files the following naming conventions will apply:

Module	Format	File Name
All instrument data not including UK corporate actions	TAB	<start datetime>_<end datetime>_IDC_1_TAB.zip
All instrument data including UK corporate actions	TAB	<start datetime>_<end datetime>_IDC_4_TAB.zip
Times: The intraday file begins generation at 12.00 **London Local Time** each business day (i.e. excluding weekends and Bank Holidays) covering changes since the previous **end of day** change files(Covering 18.00 – 12.00 Local London Time).		

For standard **end of day** changes the following naming conventions will apply:

Module	Format	File Name
All instrument data not including UK corporate actions	TAB	<start datetime>_<end datetime>_FDC_1_TAB.zip
All instrument data including UK corporate actions	TAB	<start datetime>_<end datetime>_FDC_4_TAB.zip
Times: End of day files begin generation at 18.00 **London Local Time** each business day (i.e. excluding weekends and Bank Holidays), covering changes since the previous end of day file generation. (Covering 18.00 to 18.00 **Local London Time**.) NB This file will contain the changes published in the intraday change files.		

II. *Weekly Changes Files*

For standard weekly change downloads the following naming conventions will apply:

Module	Format	File Name
All instrument data not including UK corporate actions	TAB	<start datetime>_<end datetime>_FWC_1_TAB.zip
All instrument data including UK corporate actions	TAB	<start datetime>_<end datetime>_FWC_4_TAB.zip
Times: Weekly change files begin generation at 09:00 London Local Time each Monday covering changes since the last file generation. (On Bank Holidays the file will be published on Tuesday 09:00 **London Local Time**).		

III. Full File Downloads

For standard full file downloads the following naming conventions will apply:

Module	Format	File Name
All instrument data not including corporate actions	TAB	<000000000000>_<end datetime>_FDD_1_TAB.zip
All instrument data including corporate actions	TAB	<000000000000>_<end datetime>_FDD_4_TAB.zip
Times: The full file will be generated on the 1st business day of each month at 09:00 **London Local Time** providing a snapshot of the current database contents.		

5.5.1 Consolidated files

The following naming conventions will be used for files included in the zip where the file format is tab separated.

The entity abbreviation will be inserted between the end date and module abbreviation as in the following example:

<business entity ID>_<start datetime>_<end datetime>__**iss**_fdc_4.txt

Entity	Abbreviation
Issuer	iss
Security	sec
Market	mkt
Accrual	acc
CA Detail	dis
CA Option	ele

The following file extensions will be used for each entity dependent on the file format selected:

File format	File extension
TAB	.TXT

6 SERVICE DEFINITION

6.1 SMF Licence

From the service start date, the purchase of an **SMF Licence** will be required by all companies reproducing, extracting and/or reutilising the Exchange's SMF database. In addition, an **SMF Distribution Licence** will also be made available.

6.2 SMF Services

The table below details the SMF services available to SMF Licence holders and SMF Distribution Licence holders.

SMF Service	Description
SMF Look-up	SMF website access provided to all registered users. Allows users to look-up core SMF reference data.
SMF Create	Additonall functionality offered to all SEDOL licence holder. Allows users to create new SEDOL codes (with required permission) if the instrument is not already on the database.
SMF Data File	SMF reference data received directly from the London Stock Exchange
UK Corporate Actions File	UK Corporate Action data received directly from the London Stock Exchange in a tab separated format.
UK Corporate Actions (ISO15022)	UK Corporate Action data received via SWIFTnet or FTP in an ISO15022 format.

Complete details of the Price Lists and Pricing and Policy Guidelines are available on the Exchange's website, http://www.londonstockexchange.com/sedol.

Notes:
***** Both SMF User Licence and SMF Distribution Licence holders will be able to look-up core SMF reference data and create new SEDOL codes (with the required permission), inclusive in their SMF licence fees.

6.3 Data

SEDOL and TIDM codes are intellectual property of the Exchange but all other data unless specified is owned by or subject to rights of third parties.

Customers should be aware that the customer's use of third party data is subject to licencing requirements of third party rights owners which may change from time to time, notice of any such changes will be provided in accordance with section 1 of this document.

6.4 Service Availability

With the exception of unforeseen technical difficulties and emergency maintenance, the enhanced SMF website will be a 24/7 operation. It will be necessary to perform some scheduled service outages (e.g. monthly database maintenance), which will be communicated to all direct subscribers in advance.

Full operational support facilities are available from 08:00 to 17:30 hours, UK time. Contact details are as follows:

SMF Telephone Number	- 09065 543 210 (premium rate line £1)
SMF Email Addresses	- smfnewissues@londonstockexchange.com (SEDOL/ISIN requests)
	- smfdb@londonstockexchange.com (database queries)

For direct subscribers having difficulties accessing the FTP files there is a 24 hour (tel. +44 (0) 7797 3400 or STX 33400 Option '1').

In addition, the Exchange will make all reasonable efforts to ensure direct subscribers receive updates to the SMF service.

6.5 Allocation of an Instrument

6.5.1 London Listed

SEDOL allocation for London listed instruments are processed internally and cannot be created using the web browser. London listings include all of the London markets.

Requests for SEDOL codes for London listed instruments should be directed to smfnewissues@londonstockexchange.com

6.5.2 Listed Fixed Income and Listed Equities (not London listed)

The new SMF service pro-actively covers all globally listed equities and fixed income instruments.

6.5.3 Other Instruments

All other instruments are allocated both proactively by the Exchange and,on a request basis via the web browser.

6.5.4 External SEDOL allocation requests

Requests for SEDOL code issuance via the web browser can only be made with an authorised login, which will be supplied by the Exchange when an SMF licence is purchased. This will ensure that an audit trail is maintained for data entry, and that requesters can be contacted if necessary.

SEDOL codes requested via fax/email will be processed on a reasonable endeavours basis and near real time allocation is not guaranteed.

6.5.5 SEDOL Code Rules

The customer is responsible for ensuring that any SEDOL code requests made via the web browser follow the rules outlined below. These rules may be amended from time to time.

Any SEDOL Code request submitted via the web browser by the Customer must:

1. contain accurate information, up to date at the time of providing the same;
2. not contain anything in breach of any duty of confidentiality or privacy;
3. not infringe or prejudice any existing or future intellectual property rights whatsoever of any third party;
4. not be defamatory, obscene or offensive; and
5. not infringe any applicable statute, regulation or code of conduct.

6.5.6 Status Flag

Providing mandatory fields are complete with valid information, a system generated SEDOL code is provided automatically with a Security Confirmation flag set to **provisional**. This issuance is available in near real time 24/7.

This flag will remain as **provisional** until the SMF team are satisfied that they have sufficient information on the instrument to change the flag to **confirmed**. There is no guarantee that the provisional flag will be removed. Any instrument that remains in a provisional state will be reviewed on a regular basis and may potentially be removed from the database or made defunct. If a code is removed it will not be reused.

6.5.7 Bulk Upload

A template is available on the website for the submission of bulk requests from large volume requesters. This functionality is permissioned and can only be used with an authorised login. Bulk upload requests are subject to the same system validation as any other browser request and requires mandatory fields to be completed. SEDOL codes will be issued in near real time as provisional until validated by the SMF team.

6.5.8 Customer Validation

The SMF team will on a reasonable endeavours basis validate the authenticity of the SEDOL code request by verification against industry standard sources/documents.

One off bulk requests should be agreed in advance with the SMF team who will agree timescales for validation.

6.5.9 Instrument Maintenance

Changes to instruments due to corporate actions are proactively managed via an external validated corporate actions product. Sufficient data as to the reason for changes to the SMF database will be explained, but full corporate action details will not be provided.

6.5.10 Update Request

Should customers wish to request a change to the SMF database an ‘Update Request’ facility will be provided on the SMF website. Alternatively, customers can contact the SMF team via the SMF Database email address.

6.5.11 Errors / Duplication of an Instrument

Where there is a duplication or a SEDOL issued in error, the SEDOL that was issued with the correct data will be maintained and the instrument with incorrect data will be removed and flagged as deleted by the SMF team (note the SMF system will denote these instruments with an Action Identifier D = Deleted). If both instruments are subsequently proved to be incorrect then the first instance of the instrument will be maintained and updated with the correct data.

The SMF operational team will check the system for errors on a best endeavours basis and where possible contact persons concerned to minimise the risk of errors.

7 SEDOL CODE STRUCTURE

7.1 Overview

- SEDOL codes are a 7 character alphanumeric code.
- Active 7 character numeric SEDOL codes, created prior to March 2004, also remain in circulation.
- SEDOL codes are allocated one per country to represent place of listing or in the absence of listing place of trade. Additional identification data including the Market Identifier Code (MIC) and ISIN codes are used to increase efficiencies in identifying the market an instrument is traded on.

7.2 SEDOL Code Structure

The new SEDOL code will be seven characters alphanumeric with the following structure:

1 Alpha
2 Alphanumeric
3 Alphanumeric
4 Alphanumeric
5 Alphanumeric
6 Alphanumeric
7 Numeric check digit

Notes:

- Alpha characters are B-Z excluding vowels
- Numeric characters are 0-9
- Alphanumeric characters are 0-9, B-Z excluding vowels
- No SEDOL code will be issued without an alpha first character.

The first six numbers therefore form a unique combination with approximately 600 million codes available.

SEDOL codes will be allocated sequentially and with no inherent meaning for each market an instrument is traded on.

There will be no codes issued with 9 as the lead character, which allows the historic 9-series to be maintained as dummy codes by customers.

7.3 *SEDOL Check Digit Calculation*

The seventh digit of the SEDOL code is a check digit. The check digit calculation will use the same method as previously used for the seven digit numeric number with the alpha characters given a numerical value.

Character	Value	Character	Value	Character	Value	Character	Value
B	**11**	**J**	**19**	**Q**	**26**	**X**	**33**
C	**12**	**K**	**20**	**R**	**27**	**Y**	**34**
D	**13**	**L**	**21**	**S**	**28**	**Z**	**35**
F	**15**	**M**	**22**	**T**	**29**		
G	**16**	**N**	**23**	**V**	**31**		
H	**17**	**P**	**25**	**W**	**32**		

To check that a number is reported correctly, each digit is multiplied by a weight and the results are summed. The weight used for each digit is set out as follows:

Digit	Weight
1st(alpha)	1
2nd(alpha/numeric)	3
3rd(alpha/numeric)	1
4th(alpha/numeric)	7
5th(alpha/numeric)	3
6th(alpha/numeric)	9
7th(numeric check digit)	1

If the sum of the results is a multiple of ten, the number is taken to be correct. If the sum of the results is not a multiple of ten, there is an error.

For Example:

(1) SEDOL Number B1F3M59

Digit	Weight	Product
B (Numerical Value 11)	1	11
1	3	3
F (Numerical Value 15	1	15
3	7	21
M (Numerical Value 22	3	66
5	9	45
9	1	9

Sum = 170

As the sum is a multiple of ten, the number has been quoted **correctly.**

(2) SEDOL Number is reported as B-1H5-4P6

Digit	Weight	Product
B (Numerical Value 11)	1	11
1	3	3
H (Numerical Value 17	1	17
5	7	35
4	3	12
P (Numerical Value 25	9	225
6	1	6

Sum = 309

As the sum is not a multiple of 10, the number has been quoted **incorrectly**.

7.4 Deriving the Check Digit

To derive a check digit for a number, each of the first six digits is multiplied by the corresponding weight. This result is then summed and taken away from the next highest number divisible by 10, as shown in the example below:

For Example:

(1) SEDOL Number B-123-45?

Digit	Weight	Product
B = 11	1	11
1	3	3
2	1	2
3	7	21
4	3	12
5	9	45

Sum = 94

Therefore 94 taken away from a 100 means a **check digit of 6.**

7.5 SEDOL Code Generation

The new SEDOL codes will be generated sequentially as detailed in the table below. As per section 7.2, the first digit is always an alpha and the last digit is the numeric check digit.

1	2	3	4	5	6	7
B	0	0	0	0	0	X
B	0	0	0	0	1	X
B	0	0	0	0	2	X
...						
B	0	0	0	0	9	X
B	0	0	0	0	B	X
B	0	0	0	0	C	X
...						
B	0	0	0	0	Z	X
B	0	0	0	1	0	X
B	0	0	0	1	1	X
B	0	0	0	1	2	X
...						
B	0	0	0	1	9	X
B	0	0	0	1	B	X
B	0	0	0	1	C	X
...						
B	0	0	0	Z	Z	X
B	0	0	1	0	0	X
B	0	0	1	0	1	X
...						
B	Z	Z	Z	Z	Z	X
C	0	0	0	0	0	X
C	0	0	0	0	1	X
...						
Z	Z	Z	Z	Z	Z	X

8 SMF WEBSITE

8.1 Introduction

External Customers may interact with the SMF service through the custom built website at www.sedol.co.uk. There are 3 levels of service available:

SMF Look-Up: This service allows users to query the SMF database through a range of search criteria. This service is available to all customers and requires only a registration process. Registered customers may also 'request an update' to an issuer or instrument within the database through this level of service. The site can be accessed via www.sedol.co.uk .

SMF Create: This service allows customers who have had the required level of training to request the allocation of SEDOL codes in real time via web screens. Customers who require this service should contact smfnewissues@londonstockexchange.com.

SMF Bulk Upload: Customers who require the functionality to allocate SEDOL codes to large volumes of instruments, and have had the required training, may use a template to populate security data to upload to the website for bulk allocation of SEDOL codes. More information on uploading data via the bulk upload is outlined in the section below.

8.2 Bulk Uploads

Functionality is provided within the website for users to request individual or large numbers of SEDOL codes through the use of a data file attached to the website. The file is subsequently uploaded and processed by the system. Each file must be in tab separated format and conform to the specification below.

Please note that where securities are being appended to an existing issuer, either the issuer ID or the issuer name must be supplied. Rows containing both fields as not null will be rejected. Further details on mandatory data fields required to create a new instrument are detailed on the Exchange's website, http://www.londonstockexchange.com/sedol in the following document:

- Version 3.0 SMF Mandatory Fields for Bulk Uploads.xls

8.2.1 Tab Separated File Specification

Field Name	Pos	Format	Description
ActionIndicator	1	CHAR[1] (3)	Identifies the action which the customer intends
ClientReference	2	CHAR (8)	Optional field identifying this data row

[1] CHAR (X) - The length of a CHAR column is fixed to a specified length (X). When CHAR values are stored, they are right-padded with spaces to the specified length (X).

Field Name	Pos	Format	Description
IssuerID	3	INT[2]	Unique internal identifier for issuer
IssuerName	4	VARCHAR[3] (35)	The issuing party legal entity name which has to be the exact name as held on SEDOL Masterfile
AlternateIssuerName	5	VARCHAR (35)	An alternate name for the same legal entity
CountryOfIncorporation	6	CHAR (2)	ISO 3166 Country Codes in which the issuer is incorporated
SEDOLCode	7	CHAR (7)	Security Identification Code
SecurityDescription	8	VARCHAR (40)	Unique description of this instrument for this issuer
ShortDescription	9	VARCHAR (18)	Abbreviated description
ISINCode	10	VARCHAR (12)	ISO 6166 (ISIN) International Securities Identification Number
ClosingDate	11	DATE[4]	The expiry/maturity date of the instrument (DD-MM-YYYY)
ClosingDateType	12	CHAR (3)	The type of Closing date – either EXP or MAT
SecurityForm	13	CHAR (1)	Indicates the form a security takes e.g. A = Bearer
SecurityType	14	CHAR (2)	The type of tradable instrument e.g. **AA =** Ordinary
AmntOfTransfer1	15	DEC[5] (18,4)	The number of units that the share/stock can be traded in.
AmntOfTransfer2	16	DEC (18,4)	The number of units that the share/stock can be traded in.
AmntOfTransfer3	17	DEC (18,4)	The number of units that the share/stock can be traded in.
AmntOfTransfer4	18	DEC (18,4)	The number of units that the share/stock can be traded in.
CouponInterestRate	19	DEC (18,8)	The interest rate applicable to that instrument when in coupon form (1000000000.00000000)
ParValue	20	DEC (18,8)	The nominal value of the stock (1000000000.00000000)
ParValueCurrency	21	CHAR (3)	ISO 4217 Currency Code in which the Par Value is shown

---

[2] INT – Integer. The maximum value that can be held by an integer is (2^32)/2 = 2147483647 (the divide by 2 is because it can be positive or negative and the -1 is because 0 is one of the possible values). This give 10 digits plus another one for the sign (e.g. -2147483647) which makes 11 characters.

[3] VARCHAR (X) - Values in VARCHAR columns are variable-length strings. In contrast to CHAR, VARCHAR values are stored using only as many characters as are needed. Values are not padded; instead, trailing spaces are removed when values are stored.

[4] DATE - The date format which is accepted within a Bulk Upload template is DD-MM-YYYY

[5] DEC (18,8) – Maximum 8 decimal places with 10 preceding digits, i.e., 1000000000.00000000

Field Name	Pos	Format	Description
UnderlyingIssuer	22	CHAR (35)	Name of the underlying issuing party
UnderlyingInstrument	23	CHAR (18)	Name or identifier of the underlying instrument
Restrictions	24	VARCHAR (10)	Code indicating any special regulations surrounding stock trade.
StrikePrice	25	DEC (18,8)	Price for which an underlying stock can be purchased or sold (1000000000.00000000)
StrikePriceCurrency	26	CHAR (3)	ISO 4217 Currency Code in which the Strike Price is shown
CFICode	27	VARCHAR (6)	ISO 10962 (CFI) Classification of financial instruments, (mandatory for GB ISINs) code used to reflect security characteristics
CountryOfRegister	28	CHAR (2)	ISO 3166 Country Code in which the share register is maintained
PrimaryListing	29	TRUE or FALSE	Denotes whether an OPOL is the primary listing for a security. (TRUE or FALSE)
SecurityStatus	30	CHAR(1)	Indicates if the instrument is actually trading (T) or prepared for trading (C)
OfficialPlaceOfListing	31	VARCHAR (4)	ISO 10383 (MIC) Market Identification Code for the market on which the instrument is officially listed, or in the absence of listing place of trade.
UnitOfQuotationCurrency	32	CHAR (3)	ISO 4217 Currency Code in which the Unit of Quotation is shown
MIC	33	VARCHAR (4)	ISO 10383 (MIC) Market Identification Code for the place in which the instrument is traded
ActivationDate	36	DATE[6]	The Activation date of the instrument – i.e., the date is will become Tradable (DD-MM-YYYY)

8.2.2 How to use the Bulk Upload TAB template

Users with Bulk Upload permission can download the Bulk Upload template via the website browser www.sedol.co.uk or construct a template, using the above columns, in a spreadsheet compatible with tab delimited format e.g. Microsoft Excel. Files must be save with the prefix BulkUpload and saved as tab delimited (.txt), only files formatted as tab delimited will upload successfully.

Note: Column headings are mandatory.

- Populate the spreadsheet based on the mandatory field requirements for each security type. Use the Action Indicator field to determine the allocation process for each row of data. If you wish to perform multiple actions, add the second action on the next row and the same for the third, fourth etc. The Action Indicators defined in the table below are available to the user.

- Additional features include the ability to add multiple securities to a new or existing issuer as well as create multiple OPOLs. This is performed by using an existing SEDOL but with the new OPOL/ market information.

[6] DATE - The date format which is accepted within a Bulk Upload template is DD-MM-YYYY or DD/MM/YYYY

Action Indicator	Description of Event
ISR	Creates a new issuer together with a new security for that issuer
SEC	Creates a new security for an existing issuer
COR	Creates a new country of registration for an existing security
OPL	Creates a new OPOL for an existing security

8.2.3 Column Headings

The headings below will be present in the first row of the template which will be available to download from the website.

Column Heading	Pos
ActionIndicator	1
ClientReference	2
IssuerID	3
IssuerName	4
AlternateIssuerName	5
CountryOfIncorporation	6
SEDOLCode	7
SecurityDescription	8
ShortDescription	9
ISINCode	10
ClosingDate	11
ClosingDateType	12
SecurityForm	13
SecurityType	14
AmntOfTransfer1	15
AmntOfTransfer2	16
AmntOfTransfer3	17
AmntOfTransfer4	18
CouponInterestRate	19
ParValue	20
ParValueCurrency	21
UnderlyingIssuer	22
UnderlyingInstrument	23
Restrictions	24
StrikePrice	25
StrikePriceCurrency	26
CFICode	27
CountryOfRegister	28
PrimaryListing	29
SecurityStatus	30
OfficialPlaceOfListing	31
UnitOfQuotationCurrency	32
MIC	33
ActivationDate	35

8.2.4 *Mandatory & Optional Fields*

There are a number of mandatory fields for all situations, in addition some optional fields must be populated for certain security types. The Long and Short descriptions will, in a number of scenarios, be system generated however, where data is entered into these fields it will supercede the standard descriptions.

Further details on mandatory data fields required to create a new instrument are detailed on the Exchange's website, http://www.londonstockexchange.com/sedol in the following document:

SMF Mandatory Fields for Bulk Uploads.xls

8.2.5 *Data Content*

ISO format fields are used where possible e.g. MIC Code, CFI Code, Currency Code and Date Information in addition to a number of Exchange recognised values.These include the Exchange specific security type and security form. The customer must supply a recognised value for this data to prevent a validation error.

For details on MIC, OPOL, Currency and Country codes, refer to the Reference Data Field Values V2.2 detailed on the Exchange's website:

http://www.londonstockexchange.com/techlib/sedol.asp

8.2.6 *System Generated Fields & Bulk Upload File Report*

Email confirmation containing an overview will be sent to the user when upload processing has been completed. A detailed report will be also available from the bulk upload screen with error messages for any rejected rows. The returned file will display the original data along with the system generated fields. The SEDOL Code will be populated on successfully executed records. The file will be available for exporting using the 'Export View' function.

The download report that is returned to the requestor is as follows:

Field Name	Format	Pos	Value Returned
ErrorCode		1	System generated
ErrorDescription		2	System generated
UserID		3	System generated
Lastupdated		4	System generated
BulkUploadID		5	System generated
RowID		6	System generated
ActionIndicator	CHAR (3)	7	As entered by user
ClientReference	CHAR (8)	8	As entered by user
IssuerID	INT	9	System generated where ISR is Action Indicator

Field Name	Format	Pos	Value Returned
IssuerName	VARCHAR (35)	10	As entered by user
AlternateIssuerName	VARCHAR (35)	11	As entered by user
CountryOfIncorporation	CHAR (2)	12	As entered by user
SEDOLCode	CHAR (7)	13	System generated
SecurityDescription	VARCHAR (40)	14	System generated except for the securityt types noted in Mandatory Fields for Bulk Uploads document.
ShortDescription	VARCHAR (18)	15	System generated
ISINCode	VARCHAR (12)	16	As entered by user
ClosingDate	DATE	17	As entered by user
ClosingDateType	CHAR (3)	18	As entered by user
SecurityForm	CHAR (1)	19	As entered by user
SecurityType	CHAR (2)	20	As entered by user
AmntOfTransfer1	DEC (18,8)	21	As entered by user
AmntOfTransfer2	DEC (18,8)	22	As entered by user
AmntOfTransfer3	DEC (18,8)	23	As entered by user
AmntOfTransfer4	DEC (18,8)	24	As entered by user
CouponInterestRate	DEC (18,8)	25	As entered by user
ParValue	DEC (18,8)	26	As entered by user
ParValueCurrency	CHAR (3)	27	As entered by user
UnderlyingIssuer	CHAR (35)	28	As entered by user
UnderlyingInstrument	CHAR (18)	29	As entered by user
Restrictions	VARCHAR (10)	30	As entered by user
StrikePrice	DEC (18,8)	31	As entered by user
StrikePriceCurrency	CHAR (3)	32	As entered by user
CFICode	VARCHAR (6)	33	As entered by user

Field Name	Format	Pos	Value Returned
CountryOfRegister	CHAR (2)	34	As entered by user
PrimaryListing	TRUE or FALSE	35	As entered by user
SecurityStatus	CHAR(1)	36	As entered by user
OfficialPlaceOfListing	VARCHAR (4)	37	As entered by user
UnitOfQuotationCurrency	CHAR (3)	38	As entered by user
MIC	VARCHAR (4)	39	As entered by user
ActivationDate	DATE	40	As entered by user

8.2.7 Error Generation

The Error Code and Error Description fields will be returned in the download report described in section 8.2.6. The following table illustrates the errors that will be returned where a bulk upload has not been successful.

Note: Technical errors will be reported to the user on screen using standard website error management.

9 TAB SEPARATED FILE DEFINITION (Downloads)

9.1 Introduction

The following tables define the data output from the system in tab separated file format. The following primary information is disseminated in all services:

- ISSUER
- SECURITY
- MARKET

The additional Corporate Action data is disseminated only if the user has subscribed to and requests Corporate Action Information.

- ACCRUAL
- CORPORATE ACTION DETAIL
- CORPORATE ACTION OPTION

The files disseminated are compressed into a single windows compatible, zip format, archive file.

Module 1: Core tables (Issuer, Security, Market,)
Module 2: All tables (Issuer, Security, Market, Accrual, Corporate Action Detail, Corporate Action Option)

9.2 Download File Specification

Appendix A – Field Descriptions & Glossary provides details on data field descriptions including those which appear in the TAB separated download files detailed below.

ISSUER		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)
IssuerID	INT	
IssuerName	VARCHAR (35)	
AlternateIssuerName	VARCHAR (35)	
CountryOfIncorporation	CHAR (2)	ISO Country Code (3166)
IndustrialClassification	CHAR (3)	Exchange Defined Classification
ICBSector	VARCHAR(8)	FTSE ICB Code
Empty Field	VARCHAR (15)	
Empty Field	VARCHAR(6)	

ISSUER		
Field Name	**Format**	**Notes**
IssuerComment	VARCHAR (300)	
IssuerStatus	CHAR (1)	Exchange Defined Status
IssuerConfirmation	CHAR (1)	Exchange Defined Confirmation
CorporateActionID	INT	
CorporateActionType	CHAR (2)	Exchange Defined Corporate Action Type

SECURITY		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)
SecurityID	INT	
PrevSEDOLCode	CHAR (7)	
IssuerID	INT	
SEDOLCode	CHAR (7)	
ISINCode	VARCHAR (12)	ISO ISIN Code (6166)
CountryOfRegister	CHAR (2)	ISO Country Code (3166)
CouponInterestRate	DEC (18,8)	
ParValue	DEC (18,8)	
ParValueCurrency	CHAR (3)	ISO Currency Code (4217)
UnderlyingInstrument	CHAR (18)	
UnderlyingIssuer	CHAR (35)	
StrikePrice	DEC (18,8)	
StrikePriceCurrency	CHAR (3)	ISO Currency Code (4217)
SecurityForm	CHAR (1)	Exchange Defined Form

SECURITY		
Field Name	**Format**	**Notes**
SecurityType	CHAR (2)	Exchange Defined Type
AmntOfTransfer1	DEC (18,4)	
AmntOfTransfer2	DEC (18,4)	
AmntOfTransfer3	DEC (18,4)	
AmntOfTransfer4	DEC (18,4)	
UnitOfQuotation	DEC (18,8)	
UnitOfQuotationCurrency	CHAR (3)	ISO Currency Code (4217)
CFICode	VARCHAR (6)	ISO CFI Code (10962)
ClosingDate	DATE	
ClosingDateType	VARCHAR (8)	Exchange Defined Type – ‘Expiry’ or ‘Maturity’
Restrictions	VARCHAR (10)	
OfficialPlaceOfListing	VARCHAR (4)	
PrimaryListing	BIT	‘1’ or ‘0’
InformationSource	VARCHAR (4)	Exchange Defined Information Source
SecurityDescription	VARCHAR (40)	
ShortDescription	VARCHAR (18)	
SecurityBackground	VARCHAR (100)	
TypeOfAccrual	CHAR (1)	Exchange Defined Type
AssentedFlag	BIT	‘1’ or ‘0’
SecurityEvent	CHAR (2)	Exchange Defined Event Code
SecurityEventTimestamp	DATETIME	ISO Date Time (8601)
SecurityStatus	CHAR (1)	Exchange Defined Status
SecurityConfirmation	CHAR (1)	Exchange Defined Confirmation

SECURITY		
Field Name	**Format**	**Notes**
CorporateActionID	INT	
CorporateActionType	CHAR (2)	Exchange Defined Corporate Action Type

MARKET SECURITY		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)
MarketID	INT	
SecurityID	INT	
MIC	VARCHAR (4)	ISO Market Information Code (10383)
TIDisplayMnemonic	VARCHAR (4)	
Empty Field	CHAR (8)	
MarketStatus	CHAR (1)	Exchange Defined Status
MarketConfirmation	CHAR (1)	Exchange Defined Confirmation
SecurityEvent	CHAR (2)	Exchange Defined Event Code
SecurityEventTimestamp	DATETIME	ISO Date Time (8601)
SecurityStatus	CHAR (1)	Exchange Defined Status
CorporateActionID	INT	
CorporateActionType	CHAR (2)	Exchange Defined Corporate Action Type

ACCRUAL		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)
AccruedID	INT	
SecurityID	INT	
AccruedInterestRate	DEC (18,8)	
AccruedInterestPayDate	DATETIME	ISO Date Time (8601)
AccrualConfirmation	CHAR (1)	Exchange Defined Confirmation
CorporateAction ID	INT	
CorporateActionType	CHAR (2)	Exchange Defined Corporate Action Type

CA Detail		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)
CorporateActionID	INT	
SecurityID	INT	
AcceptanceDate	DATETIME	ISO Date Time (8601)
BooksCloseDate	DATE	
ExDate	DATE	
PayDate	DATE	
SplittingNilPaidDate	DATE	
SplittingFullyPaidDate	DATE	
ResultsPublicationDate	DATE	
RedemptionDate	DATE	

CA Detail		
Field Name	**Format**	**Notes**
CalculationDate	DATE	
PeriodStartDate	DATE	
PeriodEndDate	DATE	
EffectiveDate	DATE	
ConditionalSaleDate	DATE	
WhollyUnconditionalDate	DATE	
AnnouncementDate	DATETIME	ISO Date Time (8601)
ConversionDate	DATE	
ConversionStatus	CHAR (1)	Exchange Defined Conversion
StockSituationNumber	INT	
StockSituationNumberYear	VARCHAR (4)	
BusinessYearFrom	DATETIME	ISO Date Time (8601)
BusinessYearTo	DATETIME	
MaximumPrice	DEC (18,8)	
MinimumPrice	DEC (18,8)	
Quantity	DEC (18,8)	
MeetingDate	DATE	
CADetailConfirmation	CHAR (1)	Exchange Defined Confirmation
CorporateActionType	CHAR (2)	Exchange Defined Corporate Action Type

CA Option		
Field Name	**Format**	**Notes**
ActionIdentifier	CHAR (1)	Exchange Defined Action
LastActionTimestamp	DATETIME	ISO Date Time (8601)

CA Option		
Field Name	**Format**	**Notes**
CorpActionOptionID	INT	
CoroprateActionID	INT	
SecurityID	INT	
CashDistributionCallRate	DEC (18,8)	
Denominator	DEC (18,8)	
MinimumFractionValue	DEC (18,8)	
Numerator	DEC (18,8)	
FirstDayOfDealing	DATE	
ResultsType	CHAR (1)	Exchange Defined Results Type
SecurityCodeOfDistribution	VARCHAR (12)	
DividendType	VARCHAR (15)	Exchange Defined DivType
FractionalEntitlement	VARCHAR (30)	
OptionCurrency	CHAR (3)	ISO Currency Code (4217)
OverSubscriptionFlag	VARCHAR(5)	Exchange Defined Subscription – TRUE or FALSE
Comment	VARCHAR (100)	
NetOfTaxIndicator	CHAR (1)	Exchange Defined NetIndicator
OverseasTaxCurrency	CHAR (3)	ISO Currency Code (4217)
OverseasTaxRate	DEC (18,8)	
UKTaxCurrency	CHAR (3)	ISO Currency Code (4217)
UKTaxRate	DEC (18,8)	
RateType	CHAR (2)	
TaxRateIndicator	CHAR (2)	
RateStatus	CHAR (1)	

CA Option		
Field Name	**Format**	**Notes**
OverSubscriptionRate	DEC (18,8)	

9.2.1 Download File Field Formats

The following table details the field formats that are present in the download files:

Format	Description
INT	Integer. The maximum value that can be held by an integer is (2^32)/2 = 2147483647 (the divide by 2 is because it can be positive or negative and the -1 is because 0 is one of the possible values). This give 10 digits plus another one for the sign (e.g. -2147483647) which makes 11 characters.
VARCHAR (X)	Values in VARCHAR columns are variable-length strings. In contrast to CHAR, VARCHAR values are stored using only as many characters as are needed. Values are not padded; instead, trailing spaces are removed when values are stored.
DATE	YYYY-MM-DD
DEC (x,y)	Maximum y decimal places with (x-y) preceding digits.
DATETIME	YYYY-MM-DDTHH:MM:SS.SSSZ
CHAR (X)	The length of a CHAR column is fixed to a specified length (X). When CHAR values are stored, they are right-padded with spaces to the specified length (X).
BIT	Binary digit - Either of the two numbers (1 and 0)

Header and Trailer Records for Tab Delimited Download Files

Each uncompressed tab delimited file will contain 1 header and 1 trailer record to enable recovery, verification and identification.

Header Record

Field	Type	Description	Example
Header record version	char (3)	Identifies the version of the header record	H11
Timestamp	timestamp	start date time and end date time of range of changes covered by the file	YYYYMMDDHHMMSSYYYYMMDDHHMMSS
Entity Abbreviation	char (3)	<filetype> as used in the filename	ISSUER = "ISS";

			SECURITY = "SEC"; MARKETSECURITY = "MKT"; LOCAL_CODE = "LOC"; ACCRUAL = "ACC"; CORP OPTION = "ELE"; CORP_DETAILS = "DIS";

Example

```
H11YYYYMMDDHHMMSSYYYYMMDDHHMMSSXXX
H0119690101000000020031230000000DIS
```

Trailer Record

Field	Type	Description	Example
Trailer record version	char (3)	Identifies the version of the trailer record	T11
Record count	int	Checksum for the number of data records in file (i.e. excluding header and trailer records) leading zero padded to 10 characters.	0000007865

Example

```
T010000000003
```

10 ISO15022 MT 564 Corporate Action Messaging via SWIFT

The Exchange disseminates ISO15022 MT564 corporate action messages via the SWIFT Network or via flat file FTP. For more information regarding this service please contact our support team on +44 (0)20 7797 3900.

Appendix A – Field Descriptions & Glossary

This table is provided as a reference to fields held within the SEDOL Masterfile™ system.

For details of the fields and the positions in which they appear in the TAB downloads, see the following sections of this document.

- **9 TAB SEPARATED FILE DEFINITION (Downloads)**

Field Name	Description
ActionIdentifier	Identifies Updates (U), Inserts (I), Deletions (D)
LastActionTimestamp	Time of last change on this record
IssuerID	Unique Internal Identifier for this Issuer
IssuerName	The legal entity name for this company who issue instruments
AlternateIssuerName	An alternate name for the issuing entity
CountryOfIncorporation	The country in which the issuer is incorporated/legally registered
IndustrialClassification	The London Stock Exchange industry sector code to which the issuer conforms
BusinessID	Unique identification code for this legal entity
ParentID	Unique identification code for the parent of this legal entity
RegistrarDetails	An official of a company who maintains its share register
RegistrarAddress	Address of the Registrar
ICBSectorCode	Industry Classification Benchmark
IssuerComment	Supplementary Comments
IssuerStatus	Indicates if the issuer is active or inactive
IssuerConfirmation	Indicates if the issuer details have been verified (confirmed) or are provisional
SecurityID	Unique Internal Identifier for a security record
SEDOLCode	Security Identification Code, unique for an instrument listed in a particular country - Exchange defined data
ISINCode	International Securities Identification Number
CountryOfRegister	The country in which the share register is maintained. ISO Country Code
CouponInterestRate	The instrument rate applicable to that instrument when in coupon form
ParValue	The nominal value of the stock e.g. 100 pence
ParValueCurrency	The ISO currency code in which the par value is shown
UnderlyingInstrument	Name or identifier of the underlying instrument
UnderlyingIssuer	Name of the underlying issuing party
StrikePrice	The price for which an underlying stock can be purchased or sold by the holder
StrikePriceCurrency	The ISO currency code in which the strike price is shown
SecurityForm	Indicates the form the security takes e.g. A = Registered
SecurityType	Indicates the type of tradable instrument e.g. Ordinary Equity
AmntOfTransfer1	The minimum number of units that the share / stock can be transferred in e.g. 1 unit of 100 shares
AmntOfTransfer2	As above – second amount
AmntOfTransfer3	As above – third amount
AmntOfTransfer4	As above – fourth amount
UnitOfQuotation	Shows the number of shares/stocks that the price represents Value = (Unit of Quotation/100)*Price
UnitOfQuotationCurrency	The ISO Currency Code in which the Unit of Quotation is shown
CFICode	Classification of financial instruments, ISO standard code used to reflect characteristics of the security
ClosingDate	The date of expiry or maturity of the instrument
ClosingDateType	The type of date e.g. expiry or maturity

Field Name	Description
Restrictions	Code indicating any special regulations surrounding stock trade.
OfficialPlaceOfListing	The market on which the instrument is officially listed. ISO Market Identification Code (MIC)
PrimaryListing	Primary Listing Indicator
InformationSource	For unlisted securities an additional code indicates the source of that instrument e.g. CST = Crest Money Markets
SecurityDescription	Unique Summary description of the instrument for this issuer
ShortDescription	Abbreviated Issuer name & description
SecurityBackground	Details, if available, on the background of this security
TypeOfAccrual	Indicates the basis on which the interest is accrued and the the format in which the instrument appears in the UK DOL
AssentedFlag	Indicates if the security is involved in a stock situation principally for UK registered securities
SecurityEvent	Identifies the last event relevant to the security
SecurityEventTimestamp	Time stamp of the last event
SecurityStatus	Indicates the activity status of the security – Coded (C), Traded (T) or Defunct (D)
SecurityConfirmation	Indicates if the instrument details have been verified (confirmed) or provisional.
MarketID	Unique Identification code for this instrument traded on this market
MIC	ISO Market Identification Code for the market on which this instrument is traded
TIDisplayMnemonic	Display Mnemonic for this security, currently only applicable to the London market - Exchange defined data
InternationalTicker	International ticker code
MarketStatus	Indicates if the security is active or inactive on this market
MarketConfirmation	Indicates if the market details have been verified (confirmed) or provisional.
LocalCodeID	Unique Internal Identifier for this code
LocalCode	The value of the instrument identification code
LocalCodeType	The type of instrument identification code e.g. Valoren
AccruedID	Unique internal identifier for this accrual interest payment – NOT currently in use.
AccruedInterestRate	The interest rate applicable to this accrual
AccruedInterestPayDate	The date on which the interest payment occurs
AccrualConfirmation	Indicates if the market details have been verified (confirmed) or provisional.
CorporateActionID	Identifies the last corporate action on an issuer
CorpActionDetailID	Unique identifier of this distribution
AcceptanceDate	Defined as per ISO 15022
BooksCloseDate	Date on which registration to participate in a Corporate Action closes
ExDate	Defined as per ISO 15022
PayDate	The distribution end date or payment date, determined by the distribution type
SplittingNilPaidDate	Last day to split nil paid rights or assignable application forms
SplittingFullyPaidDate	Defined as per ISO 15022
ResultsPublicationDate	Defined as per ISO 15022
RedemptionDate	Defined as per ISO 15022
CalculationDate	Defined as per ISO 15022
PeriodStartDate	Defined as per ISO 15022
PeriodEndDate	Defined as per ISO 15022
EffectiveDate	Defined as per ISO 15022
ConditionalSaleDate	Defined as per ISO 15022
WhollyUnconditionalDate	Defined as per ISO 15022
AnnouncementDate	Defined as per ISO 15022
ConversionDate	Defined as per ISO 15022
ConversionStatus	Defined as per ISO 15022
StockSituationNumber	Indicates the notice number that has been assigned for the stock situation

Field Name	Description
StockSituationNumberYear	Indicates the year that has been assigned for the stock situation notice
BusinessYearFrom	Defined as per ISO 15022
BusinessYearTo	Defined as per ISO 15022
MaximumPrice	Defined as per ISO 15022
MinimumPrice	Defined as per ISO 15022
VoluntaryIndicator	Defined as per ISO 15022
Quantity	Defined as per ISO 15022
DistributionType	Defined as per ISO 15022
MeetingDate	Defined as per ISO 15022
CADetailConfirmation	Indicates if the corporate action details have been verified (confirmed) or provisional.
CorpActionOptionID	The unique identifier of this element for this distribution
CashDistributionCallRate	The amount paid for cash distributions and call rates
Denominator	Used in stock situations and denotes the number of old shares applicable
MinimumFractionValue	The smallest fraction value payable in a Stock Situation
Numerator	The number of new shares allowed for a set number of old shares. This field would be used in a Stock Situation
FirstDayOfDealing	The first day of dealing in the resultant stock
ResultsType	Indicates how the results of a Stock Situation will be handled
SecurityOfDistribution	The SEDOL Code used to show the resultant line in a Stock Situation
DividendType	The type of dividend
FractionalEntitlement	Defined as per ISO 15022
OptionCurrency	Currency applicable to this element, ISO Currency Format
OverSubscriptionFlag	Indicates if the Corporate Action is over subscribed
Comment	Supplementary details on the element
NetofTaxIndicator	Denotes if distribution amount is net (N) or gross (G) of tax
OverseasTaxCurrency	Currency applicable the cash distribution processing, ISO Currency Format
OverseasTaxRate	Rate of Tax incurred
UKTaxRate	The tax rate applicable to dividends
UKTaxCurrency	ISO Currency Code (4217)
RateType	Defined as per ISO 15022
TaxRateIndicator	Defined as per ISO 15022
CAOptionConfirmation	Indicates if the corporate action details have been verified (confirmed) or provisional.

Appendix B – Corporate Action Effects On SEDOLs

A Corporate Action will normally have the following effect on the underlying SEDOL of the affected security:

EVENT	DEFINITION	ACTION
Capital Reorganisation	Any type of reorganisation that increases or decreases the number of shares in issue.	A new SEDOL will be allocated if this results in an increase.
Capital Repayment	Distribution of cash by the company.	The existing SEDOL will be retained.
Change of country domicile	A company changes its country of incorporation.	The existing SEDOL will be retained.
Change of Security Form	Register to Bearer or vice versa.	The existing SEDOL will be retained.
Consolidation or reverse Stock Split	Reduction in the number of outstanding shares in a company.	A new SEDOL will be required as the number of shares in existence will have changed.
Depository Receipts		A new SEDOL will only be allocated if new certificates have been issued.
Interest Rate Change	Fixed interest security changes its interest rate.	The existing SEDOL will be retained.
Merger	Merger by absorption: One of the two companies incorporates the other(s) which legally disappear	SEDOL of shares of former companies must become inactive after a certain period.
	Merger by amalgamation: The two companies merge to form a new legal entity after a certain period.	Where two companies merge to form a new company a new SEDOL will be required.
Name Change	Company changes its name.	If the number of shares in existence remains unchanged the same SEDOL will be retained.
Par Value Change	Change to the par value of a company where the number of shares in existence remains unchanged.	The existing SEDOL will be retained.
Redemptions, Bankruptcy, Liquidations	Security ceases to exist.	Will all result in the existing SEDOL becoming inactive.
Redenomination	The nominal amount of a security changes from one currency to another.	If a straight redenomination where the number of shares remains unchanged the same SEDOL will be retained.
Renominalisation	The nominal amount of a security changes from one currency to another together with a further corporate action.	Will result in a new SEDOL, as the number of shares in existence will have changed.
Subdivision / Stock Split	An increase in the number of outstanding shares of a company.	A new SEDOL will be required, as the number of shares in existence will have changed.