

## **File Transfer Function**

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### **EIPO CONFIRMATION BATCH FILE LAYOUT**

#### **INTRODUCTION:**

The EIPO Confirmation File Transfer function is available to participants to upload the Electronic Initial Public Offering (EIPO) Confirmation Batch File to CCASS. This function helps participants with high transaction volumes to avoid duplicating efforts in manually keying EIPO confirmations into CCASS. This section shows the EIPO confirmation batch file layout adopted by CCASS.

#### **DESIGN STANDARD:**

- a) All interchange files are of fixed length records. If the total number of bytes in a record is less than the record length, the record will be packed with spaces to make up the length. Every record must have a record delimiter of carriage return and line feed (ASCII hexadecimal value X'0D0A') at the end.

The characters that can be contained in the file are as follows.

- digit : 0 to 9
- alphabets : a to z, A to Z
- special symbols : SPACE / + - ? : ( ) , ' .
- record delimiter of carriage return and line feed
- a 1-character End-of-File Marker at the end of file (normally ASCII hexadecimal value X'1A')

- b) All interchange files are sequential files. There are two categories of records: detail and control records.

Detail records contain user information. A record checksum is calculated for each detail record by summing the data contents of essential numeric fields. It is calculated by the sender and checked by the receiver. Control header contains information such as participant ID, file name, etc., relevant to the file as a whole. Control trailer further protects the file using count of detail records and hash totals. Should there be any inconsistency in the record checksums, count of detail records or hash totals, the whole file will be discarded.

Different types of records are indicated by the first byte in the records.

- c) The maximum length of the record checksum in the detail record, the count of detail records and hash totals in the control trailer record are all confined to the data size value specified in the data size column of the record layout. Should overflow occur, the leading digit will be discarded.
- d) The maximum size of the batch file is limited to 2 mega bytes or 8002 lines including the header and trailer control records. Batch file with file size or number of lines exceeded this limit will be rejected

## Section 5.20

### EIPO Confirmation Batch File Layout

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#### EIPO CONFIRMATION BATCH FILE

This file contains the detailed information of EIPO confirmations prepared by participants' internal system, which will be uploaded to the CCASS host computer for EIPO confirmation batch file input processing. Each record contains 100 bytes, followed by a 2-byte record delimiter.

##### Control Record:

<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
Record Type	X(1)	'0' — header record
File Indicator	9(4)	Mandatory and unique within same day
Participant ID	X(6)	Mandatory if Sender BIC is blank
Sender BIC	X(8)	Optional, default as blank
Stock Code	X(5)	Even with ISIN entered, "00000" or space should be entered
ISIN	X(12)	Optional, default as blank
Participant Own File Reference	X(15)	Optional
Batch Transmission Date	X(8)	YYYYMMDD
File Name	X(15)	'IPO RECFM FILE'
Filler	X(26)	Space

##### Detail Record:

<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
Record Type	X(1)	'1' — detail record
EIPO Instruction No. to be confirmed	X(9)	
Filler	X(90)	Space

##### Control Record:

<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
Record Type	X(1)	'9' — trailer record
Total Number of Detail Records	9(9)	
Filler	X(90)	Space