

1. Introduction

This file specification is provided to assist developers of Payroll Vendors or In-house System on how to prepare the employer's Payment Advice files to be uploaded into the PAT System. To make this interface file structure easy to follow, the EDIFACT format is used.

2. New Interface File Structure Format

Note: The maximum number of **Existing Employees** in a file is 10,000, whereas the limit for **New Employees** is 5,000. Negative amounts are not acceptable.

Payment Advice (PA) file structure consists of the following segments:-

<u>Levels</u>	<u>Segment Types</u>	<u>Max. Repeat</u>	<u>Status</u>	<u>Description</u>
Summary	UNB	1	Mandatory	Message Title
	UNH	1	Mandatory	Message Header UNH
	BGM	1	Mandatory	Beginning of Message
	DTM	2	Mandatory	Month Of Contribution & Document Date
	MOA	10	Mandatory	Monetary Qualifier At Employer Level
	NAD	1	Mandatory	Employer's Information
	RFF	1	Conditional	Advice Code
	QTY	5	Conditional	No. of Each Contribution
Existing Employee (min = 0, max = 10,000)	MOA	7 (min = 1)	Mandatory	Monetary Qualifiers At Employee Level
	NAD	1	Mandatory	Employee Information
	DTM	1	Conditional	Termination Date
Total Contributions	CNT	1	Mandatory	Total Amount Paid
New Employee (min = 0 max = 5,000)	NAD	1	Mandatory	Employee Information
	MOA	7 (min = 1)	Mandatory	Monetary Qualifiers At Employee Level
	DTM	1	Conditional	Termination Date
Security Result	RES	1	Mandatory	Security Result

3. Specification

This section will be used to elaborate on the detailed structure of the Payment Advice (PA) message.

Note: Please follow the segment sequence provided in this section, while preparing your PA files.

Each segment should have a fixed length of 255 characters + CRLF;

Unspecified position should be filled up with spaces.

All amount fields should be left-aligned.

Symbol Used: * represents user-defined data

3.1 Summary

1. Segment Type - UNB

Position	Field Length	Entered	Remarks
1 - 5	5	UNB	Segment Type
157 - 162	6	CPFPA Y	Application Reference

2. Segment Type - UNH

Position	Field Length	Entered	Remarks
1 - 5	5	UNH	Segment Type
20 - 25	6	CPFPA Y	Message Type
26 - 28	3	20	Message Release Number

3. Segment Type - BGM

Position	Field Length	Entered	Remarks
1 - 5	5	BGM	Segment Type
6 - 8	3	450	Document Code

4. Segment Type - DTM

Position	Field Length	Entered	Remarks
1 - 5	5	DTM	Segment Type
6 - 8	3	137 / 335	Date Identifier must be 137 or 335
9 - 16	8	CCYYMMDD / CCYYMM	If Date Identifier = 137, then please enter Document Date (CCYYMMDD) If Date Identifier = 335, then please enter Month Of Contribution (CCYYMM)

5. Segment Type - MOA

Position	Field Length	Entered	Remarks
1 - 5	5	MOA	Segment Type
6 - 8	3	*	Monetary Qualifiers can only be: AV1, AV3, AV4, AV5, AV7, AV8, AV9, AVA, AVE, or AVG. Refer to page 6 for the list of Monetary Qualifiers Definition.
9 - 23	15	*	Amount Note: Negative Amounts are not permitted

6. Segment Type - NAD

Position	Field Length	Entered	Remarks
1 - 5	5	NAD	Segment Type
6 - 8	3	BG	Employer Identifier
9- 23	15	*	CPF Submission Number
50 - 84	35	*	Employer Name Note: The following special characters are not permitted { } [] * ! ~ ` _ + \$ < > : ? ; = ^ “

7. Segment Type - RFF

Position	Field Length	Entered	Remarks
1 - 5	5	RFF	Segment Type
6 - 8	3	ALL	Reference Identifier
9 - 10	2	*	Advice Code - Numeric only

8. Segment Type - QTY

Position	Field Length	Entered	Remarks
1 - 5	5	QTY	Segment Type
6 - 8	3	*	Quantity Qualifiers can only be: MUS, SHA,SIN, CDA, or ECF. MUS - Muslim Donors SHA - Share Donors SIN - Sinda Donors CDA - CDAC Donors ECF - Eurasian Community Fund Donors
9 - 13	5	*	No of people contributed

3.2 Existing Employee

9. Segment Type - MOA

Position	Field Length	Entered	Remarks
1 - 5	5	MOA	Segment Type
6 - 8	3	*	Monetary Qualifiers can only be AV2, AV6, AVB, AVC, AVD, AVF, or AVH. Refer to page 6 for the list of Monetary Qualifiers Definition.
9 - 23	15	*	Amount contributed Note: Negative amounts are not permitted

10. Segment Type - NAD

Position	Field Length	Entered	Remarks
1 - 5	5	NAD	Segment Type
6 - 7	2	PE	Employee Identifier
9 - 17	9	*	Employee CPF Account Number. (Inclusive of prefix S or T for Singaporean and foreigner)
50 - 115	66	*	Employee Name Note: The following special characters are not permitted { } [] * ! ~ ` _ + \$ < > : ? ; = ^ “

11. Segment Type - DTM

Position	Field Length	Entered	Remarks
1 - 5	5	DTM	Segment Type
6 - 8	3	337	Date Identifier
9 - 16	8	CCYYMMDD	Termination Date.

3.3 Total Contribution

12. Segment Type - CNT

Position	Field Length	Entered	Remarks
1 - 5	5	CNT	Segment Type
6 - 8	3	128	Control Qualifier
9 - 23	15	*	Total Amount Paid

3.4 New Employee

13. Segment Type - NAD

Position	Field Length	Entered	Remarks
1 - 5	5	NAD	Segment Type
6 - 7	2	PE	Employee Identifier
9 - 17	9	*	Employee CPF Account Number. (Inclusive of prefix S or T for Singaporean and foreigner)
50 - 115	66	*	Employee Name Note: The following special characters are not permitted { } [] * ! ~ ` _ + \$ < > : ? ; = ^ “

14. Segment Type - MOA

Position	Field Length	Entered	Remarks
1 - 5	5	MOA	Segment Type
6 - 8	3	*	Monetary Qualifiers can only be AV2, AV6, AVB, AVC, AVD, AVF, or AVH. Refer to page 6 for the list of Monetary Qualifiers Definition.
9 - 23	15	*	Amount contributed Note: Negative amounts are not permitted

15. Segment Type - DTM

Position	Field Length	Entered	Remarks
1 - 5	5	DTM	Segment Type
6 - 8	3	337	Date Identifier
9 - 16	8	CCYYMMDD	Termination Date.

3.5 Security Result

16. Segment Type - RES

Position	Field Length	Entered	Remarks
1 - 5	5	RES	Segment Type
6 - 7	2	ZZ	Security Identifier

4. Monetary Amount Qualifier

The following qualifiers indicate different types of contributions. Note that the following qualifiers can only be used in the MOA segments. It is the responsibility of the developers to take into considerations of all the qualifiers listed below.

<u>Amount Qualifier</u>	<u>Description</u>	<u>Status</u>	<u>Field Length</u>
AV1	CPF Contribution (Summation Amount by Company)	Mandatory	n8
AV2	CPF Contribution (Employer + Employee Amount)	Mandatory	n7
AV3	Share Programme Donation to Community Chest	Conditional	n6.n2
AV4	Skill Development Levy	Conditional	n6.n2
AV5	Mosque Building and Mendaki Fund (Summation Amount by Company)	Conditional	n6.n2
AV6	Mosque Building and Mendaki Fund (Detailed Amount By Employee)	Conditional	n3.n2
AV7	Foreign Workers Levy	Conditional	n6.n2
AV8	Interest On Late Payment of Foreign Workers' Levy	Conditional	n6.n2
AV9	Interest On Late Payment of CPF Contributions	Conditional	n6.n2
AVA	Singapore Indian Development Association (Summation Amount by Company)	Conditional	n6.n2
AVB	Singapore Indian Development Association (Detailed Amount By Employee)	Conditional	n3.n2
AVC	Ordinary Wages for the Month	Mandatory	n8.n2
AVD	Additional Wages for the Month	Conditional	n8.n2
AVE	Chinese Development Assistance Council (Summation Amount by Company)	Conditional	n6.n2
AVF	Chinese Development Assistance Council (Detailed Amount By Employee)	Conditional	n3.n2
AVG	Eurasian Community Fund (Summation Amount by Company)	Conditional	n6.n2
AVH	Eurasian Community Fund (Detailed Amount By Employee)	Conditional	n3.n2

Note: AV1 = Sum of AV2 AV5 >= Sum of AV6
 AVA >= Sum of AVB AVE >= Sum of AVF
 AVG >= Sum of AVH

CNT Segment

CNT	Total Amount Paid	Mandatory	n8.n2
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Calculation:

$$CNT = AV1 + AV3 + AV4 + AV5 + AV7 + AV8 + AV9 + AVA + AVE + AVG$$

5. Example of new CPFPAY - Interface File Structure

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UNB                                CPFPAY
UNH                                CPFPAY2
0 BGM 450
DTM 13720090602
DTM 335200903
MOA AV12618
MOA AV420.00
MOA AV519.00
MOA AVA5.00
NAD BG T07CM1732GPTE02           TEST COMPANY NAME PTE LTD
QTY MUS3
QTY SIN1
MOA AV2604
MOA AV63.00
MOA AVB5.00
MOA AVC1750.00
NAD PE S000000J                 NRO EMPLOYEE NAME1 TESTING MAX LENGTH BY PUTTING MAX LEN CHARACTER
MOA AV2714
MOA AV65.00
MOA AVC2070.00
NAD PE S1000113G                 Employee Name
2 MOA AV21283
MOA AV611.00
MOA AVC6000.00
MOA AVD99999999.99
NAD PE S2000200Z                 Employee Name 3
DTM 33720100210
CNT 1282662.00
NAD PE S3000315B                 Employee Name 4
MOA AV217
MOA AVC132.04
DTM 33720031130
RES ZZ
```