**Document Change Control**

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| --- | --- | --- | --- | --- | --- | --- |
| **Change No.** | **Revision Date** | **Revision Description** | **Author** | **Change Request by** | **Approved by** | **Hyperlink** |
| ***0*** | ***2024/11/07*** | ***Original Spec*** | ***Punk Wu*** | ***Libby Lin*** |  |  |
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ERP Implementation Period Approval Level: Project Team Leader

Operation Period Approval Level: SEO

1. **Function Specification Description**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Spec ID | FNFIR00104 | | | | | | Module | | FI |
| Program Name | Print Affiliate AR Invoice | | | | | | | | |
| T-Code | ZFI182 | | | | | | | | |
| Core IT | Libby Lin | | Core User | | | Gina Weng | | | |
| Frequency | (X ) Monthly | ( ) Weekly | | | ( ) Daily | ( ) Background | | | |
| ( ) Others | | | | | ( ) Foreground | | | |
| Program Category | ( ) Report  ( ) Data Conversion  ( ) Function | | | ( ) Layout Set  ( ) Batch Input  ( ) Module Pool | | | | ( X) SmartForms  ( ) Interface  ( ) User Exit | |
| Program Purpose: Print Affiliate AR Invoice | | | | | | | | | |

1. **Detail Function and Logic Description:**
   * 1. Selection Screen Layout

|  |  |
| --- | --- |
| Company Code |  |
| Affiliate Customer Code | to |
| Document Type | to |
| Posting Date | to |
| Document Number | to |
| Reference | to |
| □ Print with AR Entry name |  |

* + 1. Selection Screen Field and Field Mapping Table

| **No.** | **Screen Field Name** | **Like Field Data** | **Short Text** | **Mandatory/ Optional** | **Select Options** | **Remark & Validation details** |
| --- | --- | --- | --- | --- | --- | --- |
|  | P\_BUKRS | BKPF-BUKRS | Company Code | M | Parameter |  |
|  | S\_KUNNR | BSEG-KUNNR | Affiliate Customer Code | M | Selection | 限制為BP Account Group = Z002關係人  KNA1-KTOKD = ‘Z002’ |
|  | S\_ BLART | BKPF-BLART | Document Type | M | Selection | 預設DR & DG |
|  | S\_ BUDAT | BKPF- BUDAT | Posting Date | M | Selection |  |
|  | S\_ BELNR | BKPF- BELNR | Document Number | O | Selection |  |
|  | S\_XBLNR | BKPF-XBLNR | Reference | O | Selection |  |
|  |  |  | Print with AR Entry Name | O | Check Box | 預設勾選 |

1. **Detail Function and Logic Description:**
   1. **Get FI document data by selection screen condition:**

<< Technical Information:

SELECT BKPF~BUKRS BKPF~BELNR BKPF~GJAHR BSEG~KUNNR

FROM BKPF INNER JOIN BSEG

ON BKPF~BUKRS = BSEG~BUKRS

AND BKPF~BELNR = BSEG~BELNR

AND BKPF~GJAHR = BSEG~GJAHR

INNER JOIN KNA1

ON BSEG~KUNNR = KNA1~KUNNR

AND KNA1~KTOKD = ‘Z002’ into internal table

SELECT BKPF~BUKRS BKPF~BELNR BKPF~GJAHR

FROM BKPF INNER JOIN BSEG

ON BKPF~BUKRS = BSEG~BUKRS

AND BKPF~BELNR = BSEG~BELNR

AND BKPF~GJAHR = BSEG~GJAHR

For all entries in 前面捞出来的internal table

Where BKPF~BUKRS = internal table-BUKRS

AND BKPF~BELNR = internal table-BELNR

AND BKPF~GJAHR = internal table-GJAHR

Get Customer address by customer code:

SELECT SINGLE c~name1 c~name2 c~street c~str\_suppl1 c~str\_suppl2

FROM kna1 AS a INNER JOIN adrc AS c

ON a~adrnr = c~addrnumber

WHERE a~kunnr in internal table

Get company name and address:

SELECT SINGLE c~name1 c~name2 c~street c~str\_suppl1 c~str\_suppl2

c~city1 c~city2 c~post\_code1 c~tel\_number c~fax\_number c~country

c~addrnumber

FROM t001 AS t

LEFT OUTER JOIN adrc AS c

ON t~adrnr = c~addrnumber

WHERE t~bukrs = Select screen company

>>

* 1. **Report Mapping Logic**

一張含有 文字, 螢幕擷取畫面, 字型, 數字 的圖片

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| **No.** | **Screen Field Name** | **Data type** | **Short Text** | **Remark & Validation details** |
| --- | --- | --- | --- | --- |
| 1 | NAME1  STREET1  STREET2  PHONE | C(80)  C(100)  C(100)  C(50) | Company | From company name and address:  1 line: name1+name2  2 line: street+str\_suppl1  3 line: str\_suppl2+city1+ city1 SHIFT LEFT DELETING LEADING ','  4 line: 'TEL:' tel\_number  + 'FAX:' fax\_number |
| 2 |  |  | 頁次 | Page :頁次/總頁數  Ex. Page : 1/2 |
| 3 | INVOICE\_TYPE | C(6) | Invoice Type | Check AR line item (BSEG-KOART = D)  If posting key (BSEG-BSCHL) :  01或09 : show Debit  11或19 : show Credit |
| 4 | KUNNR | BSEG- KUNNR | Bill to | AR line item (BSEG-KOART = D):  BSEG-KUNNR |
| 5 | BNAM1  BNAM2 | ZNAME  ZNAMA | Bill to name | Customer name of AR line item (BSEG-KOART = D) by customer code (BSEG-KUNNR):  name1  name2 |
| 6 | BADDR1  BADDR2  BADDR3 | ZADDA  ZADDB  ZADDB | Bill to address | Customer name of AR line item (BSEG-KOART = D) by customer code (BSEG-KUNNR):  Street  str\_suppl1  str\_suppl2 |
| 7 | XBLNR | BKPF- XBLNR | Inv. No. |  |
| 8 | BLDAT | BKPF- BLDAT | Date |  |
| 9 | WAERS | BKPF- WAERS | Amount (XXX)  SAY Total XXX Dollar | Document Currency |
| 10 | SGTXT | BSEG- SGTXT | Description | Show non-AR line item (posting key (BSEG-BSCHL) = 40 or 50) and exclude tax item(BSEG- BUZID = T) |
| 11 | BKTXT |  | Description | Document Header Text  Only show in last page |
| 12 | WRBTR | BKPF- BKTXT | Amount | Show non-AR line item (posting key (BSEG-BSCHL) = 40 or 50) and exclude tax item(BSEG- BUZID = T):  If Invoice Type = Invoice (Debit) :  If posting key (BSEG-BSCHL) :  01或09  If posting key (BSEG-BSCHL) = 40 then显示負數  Else If posting key (BSEG-BSCHL) = 50 then显示正數；  Else If Invoice Type = Invoice (Credit)：  If posting key (BSEG-BSCHL) :11或19  If posting key (BSEG-BSCHL) = 40 then显示正數  Else If posting key (BSEG-BSCHL) = 50 then显示正負數 |
| 13 | Sub\_Total |  | Sub Total  Tax  Total Amount | 1. non-AR line item (posting key (BSEG-BSCHL) = 40 or 50) and exclude tax item(BSEG-BUZID = T): Summary BSEG-WRBTR 2. Tax line item (posting key (BSEG-BSCHL) = 40 or 50) and tax item(BSEG-BUZID = T): Summary BSEG-WRBTR 3. 1+2   Only show in last page |
| 14 | USNAM |  | Prepared By | 1. BKPF-USNAM -> USR21-PERSNUMBER-> ADRP- NAME\_TEXT  2. “Accounting Dept.”  Only show in last page |
| 15 | AUSNAM | BKPF- USNAM | Approved By | Empty  Only show in last page |

* + 2. 程式說明  
       按輸入的篩選條件至Table BKPF、BSEG撈取符合的客戶Invoices資料，產出Invoices預覽畫面，確認無誤再點選列印Invoices。
    3. 表單說明（參考下圖）
* 公司名稱 / 地址 / 頁次：列示於畫面上方的右半側，若Invoice有跨頁仍需要列示。
* Invoice Type：文字需下底線，置中對齊，若Invoice有跨頁仍需要列示。
* Bill To / Inv. No.& Date：Bill To左邊列示，Inv. No.& Date右邊列示，若Invoice有跨頁仍需要列示。
* 表格的項次明細行：需按版面長度計算單頁可列印的行數，在最末一行明細行列示表頭內文；若明細行超過可列印的行數需要跨頁時，在最末頁的最末一行明細行再列示表頭內文。
* Sub Total / Tax / Total Amount 及 user name：列示於Invoice最末頁的頁尾。

一張含有 文字, 螢幕擷取畫面, 字型, 數字 的圖片

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