**Scanning List**

**Use Case**

**修订历史**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 章节号 | 章节名称 | 变更原因 | 变更内容描述 | 变更日期 | 版本 |
| All | All | 新建 | 初版 | 2011-10-14 | 0.01a |
| 2.1.5 | 业务规则 | 新需求from 张生菊 | 要求Edits 文档所在的网络路径可配置 | 2012-2-25 | 0.03a |
| 2.1.4 | 流程描述 | 新需求 – Mantis #0000952 | Excel 中的DN 有两种，10位的和16位的 – 16位的DN 直接对应Delivery.DeliveryNo，10 位的DN 对应的是Delivery.DeliveryNo 的前10位，需要将其对应的16 位DN 找到，进行后续处理 | 2012-6-4 | 0.03a |
| 2.1.4 | 流程描述 | 新需求 – Mantis #0000952 | 1. 取消“Excel 中的DN 有两种，10位的和16位的 – 16位的DN 直接对应Delivery.DeliveryNo，10 位的DN 对应的是Delivery.DeliveryNo 的前10位，需要将其对应的16 位DN 找到，进行后续处理” 2. Excel 中的DN 有两种，10位的和16位的 – 16位的DN需要截取前10位，进行后续处理 3. 非10位16位的数据为非法数据 | 2012-6-5 | 0.03a |

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# 前言

## Introduce

本文档用于定义[Scanning List] 部分的业务需求，作为规格设计与程序设计的依据；读者为iMES 2012项目的用户，设计人员，开发人员和质检人员。

## References

Scanning List是针对每个Shipment打印一份

# Use Cases

## UC-Scanning List

### 功能及目标

### 前置条件

### 后置条件

### 过程描述

|  |  |
| --- | --- |
| **UI** | **System** |
|  | 1.初始化界面，数据填入Doc\_Type list  Copy \\10.99.183.58\OUT\\*.jpg到本机C:\ (HP Logo图,客户端打印时会用到) |
| 2.刷入DN/Shipment | 只接收10位字串  当输入的code已在DN/Shipment List中存在时，报错误信息” 重复输入”，焦点置于DN输入框 |
|  | 3.check DN/Shipment  异常情况：   1. 当还没有选择Doc Type时，报错误信息” 请先选择List 种类”，焦点置于Doc\_Type list框 2. 当刷入的不是DN /Shipment时，报错误信息” not found the Delivery/Shipment: ” +@DN，焦点置于DN输入框 3. 当该DN不需要打印scanning list时，报错误信息@DN+” :This Delivery does not need to Print Scanning List”，焦点置于DN输入框 4. 当机器还未全部完成时，报错误信息”機器還未完成或數量不對” ，焦点置于DN输入框 5. 当输入Shipment，未做称重时，报错误信息”该shipment未称重” ，焦点置于DN输入框 |
|  | 4.生成XML文件和pdf文件 |
|  | 5.刷入的code加入到DN/Shipment List |
| 6.选择文件，点击Upload button |  |
|  | 7.检查选择的文件  A.当还没有选择上传文件时，报错误信息”This is a wrong file.”  B.当选择的文件后缀不是XLS时，报错误信息”Excel format Error!” |
|  | 8.首先删除DN/Shipment List中已存在的全部数据  然后解析excel文件，从第二行开始，第一列为DN，对每一个DN执行以下步骤：当其不存在于DN/Shipment List中时，重复[3-5]的步骤  当完成后弹出对话框提示User:” Upload Success!”  注：   1. Excel只获取前1000行数据 2. Excel 中的DN 有两种，10位的和16位的 – 16位的DN需要截取前10位，进行后续处理 3. 非10位16位的数据为非法数据 |
| 9.点击Print button |  |
|  | 10.打印PDF文件，清空DN/Shipment List |
| 11.点击Clear button | 界面恢复到初始状态 |
|  |  |

### 业务规则

注：这份UC里没有特殊说明的都是访问HP\_EDI DB

|  |  |
| --- | --- |
| **Function** | **Rule** |
| 1.初始化界面 | Doc\_Type list : select distinct DOC\_CAT from HP\_EDI.dbo.[PAK.PAKRT] where DOC\_CAT like 'Waybill%' |
| 3. check DN/Shipment | A. 刷入的是DN  exists (select \* from [PAK\_PAKComn] nolock where left(InternalID,10)=@DN)  B.刷入的是Shipment  exists(select \* from v\_Shipment\_PAKComn nolock where (CONSOL\_INVOICE=@DN or SHIPMENT = @DN)) |
| 3C. DN不需要打印scanning list | 依据刷入不同的code判断方式不同：  A. 刷入的是DN  if not exists (select \* from [v\_Shipment\_PAKComn] where REGION='EMEA' and left(InternalID,10)=@DN)  begin  select '0',@DN+' :This Delivery does not need to Print SacnningList'  return  end  B.刷入的是Shipment  if not exists (select \* from [v\_Shipment\_PAKComn] where REGION='EMEA' and (CONSOL\_INVOICE = @DN or SHIPMENT = @DN))  begin  select '0',@DN+'This Shipment does not need to Print SacnningList'  return  end |
| 3D. 机器还未全部完成 | 依据刷入不同的code判断方式不同：  A. 刷入的是DN  select @CONSOL = CONSOL\_INVOICE from v\_Shipment\_PAKComn nolock where left(InternalID,10) = @DN  select InternalID into #2 from v\_Shipment\_PAKComn nolock where CONSOL\_INVOICE = @CONSOL  select @qty = sum(PACK\_ID\_LINE\_ITEM\_BOX\_QTY) from v\_Shipment\_PAKComn where InternalID in (select \* from #2)  select @cqty = count(\*) from dbo.PAK\_PackkingData where InternalID in (select \* from #2)  if @qty>@cqty  begin  select '0','機器還未完成或數量不對'  return  end  B.刷入的是Shipment  select InternalID into #1 from v\_Shipment\_PAKComn nolock where (CONSOL\_INVOICE = @DN or SHIPMENT = @DN)  select @qty = sum(PACK\_ID\_LINE\_ITEM\_BOX\_QTY) from [v\_Shipment\_PAKComn] where InternalID in (select \* from #1)  select @cqty = count(distinct a.SERIAL\_NUM) from dbo.PAK\_PackkingData a,#1 b where a.InternalID = b.InternalID  if @qty>@cqty  begin  select '0','機器還未完成或數量不對!'  return  end |
| 3E. 输入Shipment，未做称重 | 刷入的是Shipment  if not exists(select \* from dbo.PAK\_ShipmentWeight\_FIS where Shipment = @DN)  begin  if exists(select \* from PAK..FISTOSAP\_WEIGHT where [DN/Shipment] = @DN)  begin  insert into PAK\_ShipmentWeight\_FIS  select [DN/Shipment],Status,convert(decimal(10,1),KG),Cdt from PAK..FISTOSAP\_WEIGHT where [DN/Shipment] = @DN  end  else  begin  select '0','该shipment未称重'  return  end  end |
| 4.生成XML文件和pdf文件 | 依据刷入不同的code判断方式不同：  A. 刷入的是DN  select @deliveryno = InternalID from [PAK\_PAKComn] nolock where left(InternalID,10)=@DN  B.刷入的是Shipment  select @deliveryno = InternalID from v\_Shipment\_PAKComn nolock where (CONSOL\_INVOICE = @DN or SHIPMENT = @DN)  针对@deliveryno作如下处理：  1)生成XML  文件名： @deliveryno &"-["& replace(@doc\_type," ","")&"].xml"  调用Edits生成XML文件:  SOAPClient = createobject("MSSOAP.SoapClient30")  SOAPClient.mssoapinit("http://10.99.183.28/hpedits/edits.asmx?WSDL")  SOAPClient.WayBillShipmentList("\\10.99.183.58\out\PACKINGLISTXML\"&XmlFilename, @InternalID)  2)得到模板：  select @doc\_set\_number = DOC\_SET\_NUMBER from [PAK.PAKComn] where left(InternalID,10) = @deliveryno的前10位  select @templatename = XSL\_TEMPLATE\_NAME from [PAK.PAKRT] where DOC\_CAT = @doctpye and DOC\_SET\_NUMBER = @doc\_set\_number  当没有得到时，报错” Not found template of this DN: ”+ @deliveryno的前10位，终止该DN的后续处理，即不打印  3)生成pdf文件名：  select @delivery=rtrim(left(InternalID,10)),@shipment=rtrim(SHIPMENT),@waybill=rtrim(WAYBILL\_NUMBER) from [v\_PAKComn] where InternalID = @deliveryno  PdfFilename = @delivery&'-'&@shipment&'-'&@waybill &"-["& replace(cmbdoctpye.value," ","")&"].pdf"  4)生成pdf文件  cmd = "C:\Program"&chr(34)&" "&chr(34)&"Files\Altova\FOP-0.93\fop -xml \\10.99.183.58\out\PACKINGLISTXML\"&XmlFilename&" -xsl \\10.99.183.58\OUT\"&template&" -pdf \\10.99.183.58\out\PACKINGLISTPDF\"&PdfFilename  set obj=createobject("wscript.shell")  obj.run "cmd /c "&cmd,vbhide |
| 10.打印PDF文件 | 文件保存在c:\FIS\pdfprintlist.txt，若存在先删除再重建：保存生成的所有PDF文件名，包括在server上全路径名称  调用以下语句进行打印：  set obj=createobject("wscript.shell")  cmdpdfprint = "C:\FIS\PDFPrint.exe C:\FIS\pdfprintlist.txt 2000"  obj.run "cmd /c "&cmdpdfprint,vbhide  set obj=nothing |
|  |  |

# Appendix

## Question