Concept of Systems

ECR name	香港 2023 下半年退供商匯入(High Jump)
Customer name	*王郁華*
Version number/date	*1.0*

eslite 誠品

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Project ID (if applicable)	EA16_CR_202310_0011

Document History			
Date	Version	Authors	Comments/Description of Change
2023/10/05	1.0	ben	First version

DOCUMENT CONTROL

For Review By:

Date	Organisation	Project Role	Name
2023/04/20	IT & AUTO	Solution design	Ben
2023/04/20	IT & AUTO	Developer	Jacky
2023/04/20	Operation	Customer	王郁華

Owners and Approvers:

Date	Name	Position	Signature
	Ben	Designer、BPO	鄭崇文 10/5
	Ken	Solution leader	
	王郁華	User	王郁華
	Jacky	Developer	
	Kevin	Develop leader	
	Kevin	IT manager	

ECR sign off table:

維護ECR適用(eWMS)	Executor	Validate Endorsement					
流程/文件	執行者	設計者	開發者	QC IT	使用者	開發主管	資訊主管
COS	Solution	✓	✓		✓	✓	✓
UT/FDD	Developer		✓			✓	
SIT	Developer			✓		✓	
UAT	QC				✓	✓	
Golden transaction	QC				✓	✓	
Go-live	Developer						✓

Document Version Numbering

Document versions numbered '0.01, 0.02 etc' are draft status and therefore can be changed without formal change control. Once a document has been formally approved and issued it is version numbered 'Version 1.0' and subsequent releases will be consecutively numbered, following formal change control. The version number appears in the footer of every page.

Definitions and Requirements

Part 1 – The Business Case

1. What is the problem/opportunity we are addressing?

1.1. Pursuit Summary

海外 SAP 退回平鎮物流，EXCEL 的商品指定轉退供應商後，將數據及商品上 WES 系統理貨。

1.2. Summary of Business Requirements

1.2.1. 海外 SAP 開 401 單退回平鎮物流，並轉成 EXCEL 給物流業務服務部 。

1.2.2. 商品處需協助在 EXCEL 指定商品應該如何退 TW 供應商，並使用固定格式。

1.2.3. 依據 EXCEL 指定供應商代號將數據轉入 WES 系統。若供應商數過多(>105)將產生 2 次作業。

1.3. Objectives

EXCEL 的商品指定轉退供應商使用固定 OPENROWSET 匯入暫存表，再暫存表將數據轉入 WES 系統。

1.4. Financial Summary

N/A

2. What is the proposition/business change?

2.1. Scope

Geography / Location : eslite Ping Zhen Logistics Park.

Product Users : eslite logistics High Jump User.

Organisation or Function : Warehouse personnel with WES authorization

A. 手動將 EXCEL 資料匯入 WES 的作業單號，使用 401 單作業 。

- Technology : MSSQL

In Scope

1. 海外退供匯入 WES 系統 Check List。

系統別	系統作業	確認項目	驗證	窗口
香港 SAP	香港開 401 退供單。及指定退供	商品處協助完成香港待退 401 單的 EXCEL 數據。		商品處
前置準備		物流業務服務部確認欄位是否正確。若欄位值不正確，將退回整理。例如: 1. 欄位名任意更改。 2. SKU、EAEX 供應商未轉字串。 3. 缺少必要欄位。 EXCEL 檔案範例(1)		郁華
	驗證必要欄位	1. 第 1 頁簽更名為 HK。 2. 開檔案檢查欄位: 店別,採購單號,採購項目,商品編號,SKU,已交貨,EAEX 供應商,商品名稱。 檔案放置: \\192.168.1.33\sjob\imp\EXCEL\ 3.使用 SSMS OPENROWSET 開 EXCEL 檔驗證檔案。參考範例(2)		IT
中間庫	匯入 iexp..SPO	匯入 [192.168.1.xx].iexp..SPO 更新 EAN BarCode 、供應商短名 參考範例(3)		IT
WES	匯入 WES 作業單	匯入 EDL_WES.ECaps.dbo.TX_SOM TX_SOD。參考範例(4)		IT
HJ 測試	HJ 測試	請 eSorter 作業完成後通知 IT，監控確認 HJ 中間結案: 1. 可完成 4026 建單: 預計 55 單 4026 退貨單。 2. 4026 回檔 EX05 到 SAP。但 HK 401 單不能結回 TW SAP。		IT
	401 作業數量報表	提供批次及 401 單作業數量。參考範例(5)		小莊 郁華

2. 範例說明:

● EXCEL 檔範例範例(1)

	香港 401 退供單 EXCEL 檔範例(1)

	A	B	C	D	E	F	G	H
	序號	店別	文件日期	責任PG	採購單號	採購項目	商品編號	SKU
1	BK01	20230616	A01	4010019712	1	2710491468002	2680348833003
2	BK01	20230616	D01	4010019712	2	2710518226004	2680397467006
3	BK01	20230616	D01	4010019712	3	2710555619005	2680399894008
4	BK01	20230616	D01	4010019712	4	2710567114000	2680439196000
5	BK01	20230616	A01	4010019712	5	2710634150009	2680514770002
6	BK01	20230616	A01	4010019712	6	2710740248003	2680651272001
7	BK01	20230616	A01	4010019712	7	2710916938004	2680780687004
8	BK01	20230616	A01	4010019712	8	2710926485000	2680789671004
9	BK01	20230616	D01	4010019712	9	2710945721004	2680812766004
10	BK01	20230616	A01	4010019712	10	2710951166004	2680820043005
11	BK01	20230616	A01	4010019712	11	2710972472009	2680843185003
12	BK01	20230616	D01	4010019712	12	2710979050002	2680850223002
13	BK01	20230616	A01	4010019712	13	2710995159000	2680868295008
14	BK01	20230616	A01	4010019712	14	2711005241005	2680882500003
15	BK01	20230616	A01	4010019712	15	2711014224006	2680893044008
16	BK01	20230616	A01	4010019712	16	2711042586008	2680920696002
17	BK01	20230616	A01	4010019712	17	2711042587005	2680920697009
18	BK01	20230616	A01	4010019712	18	2711050998008	2611180549005

I	J	K	L	M	N	O	P	Q
採購單	待交貨	已交貨	採購單金額	待交貨金額	已交貨金額	EAEX供應商	物料群組	
1	1	1	-247	-247	0	204341	111KKBKB1	運動世界的社會學
3	3	3	-413	-413	0	211863	131CCBCB6	小公主 1: 失去聲音的小公主
1	1	1	-138	-138	0	211863	131CCBCB6	香草魔女 3: 薄荷的魔法刀量
1	1	1	-138	-138	0	211863	131CCBCB6	小公主 3: 隱形的桃花公主
1	1	1	-217	-217	0	201063	111IIJIJ3	亞維儂少女之死
1	1	1	-251	-251	0	201063	111QQAQA6	大災變: 你必須面對的全球失序真相
1	1	1	-303	-303	0	201214	111JJCJC1	大圓滿隆千心髓前行解脫勝道明燈卷
1	1	1	-209	-209	0	213427	111KKDKD0	冤獄人生: 達米恩的死囚紀事
1	1	1	-154	-154	0	211863	131CCBCB6	香草魔女 12: 溫暖人心的冬季魔法飲料
1	1	1	-138	-138	0	201004	111JJAJA5	史記菁華錄 (第2版)
1	1	1	-193	-193	0	203617	111IIJIJ7	碟形世界特警隊 5: 第五元象
1	1	1	-132	-132	0	211863	131CCBCB5	露露和拉拉 16: 露露拉拉的微笑奶油
1	1	1	-168	-168	0	216894	111IIJIJ7	銀砂職師與青公爵
1	1	1	-978	-978	0	203039	111QQBQB0	大人的科學 6: 迷你電吉他
1	1	1	-267	-267	0	201120	111JJCJC1	如夢覺醒: 倫珠樹巴格西自傳
1	1	1	-198	-198	0	203617	111IIJIJ7	碟形世界特警隊 8: 命不該絕
1	1	1	-198	-198	0	203617	111KKAKA1	站在世界的中心, 呼喊未來: 歐美亞10國工作趨勢觀
1	1	1	-110	-110	0	201214	111JJCJC1	救修百丈清規

綠字欄位為必要欄位。

店別,採購單號, 採購項目,商品編號 ,SKU,已交貨,EAEX 供應商,商品名稱。

	範例(2) 驗證必要欄位
	在 SSMS 使用 OPENROWSET OPENROWSET('Microsoft.ACE.OLEDB.12.0','Excel 12.0; Database=D:\sjob\imp\EXCEL\ 2023HK 下半年退貨單明細-1002(給物流).xlsx.xlsx', [HK$]) as A

	範例(3) iexp..SPO 暫存處理表規格及數據修正

	暫存表需求

順序	欄位	datatype	欄位說明
1	PubNo	text	來源(供應商/退貨店舖)

	2	STORID	text	分撥(門市/供應商代號)	
	3	STORID02	text	門市或供應商代號 EXCEL 未提供可由主檔取得	
	4	SD	text	報廢分類用	
	5	SONO	text	上設備作業單號	
	6	itemNo	text	單號 Item	
	7	SKU	text	商品 26 碼	
	8	EAN	text	商品 EAN 碼，從中間庫 SKU 表的誠品 26 碼取得 EAN	
	9	DESCR	text	商品名稱	
	10	QTY	int	數量	
	11	來源	text	備註	
	12	備註	text	備註	
	13	sfile	text	上傳 EXCEL 檔名	
	14	etyps	int	確認狀態	

EXCEL 匯入暫存表：

對應暫存表如下

 PubNo=店別 , SD=EAEX 供應商

 ,SKU=sku ,EAN='' ,DESCR=left(商品名稱 ,20)

 ,QTY=已交貨 ,[備註]=商品編號

 ,SONO=採購單號 ,itemNo=採購項目

 ,STORID='0000'+Cast(EAEX 供應商 as varchar(6))

 ,STORID2=物料群組 , sfile='HK2023 退貨單明細.xlsx'

 OPENROWSET('Microsoft.ACE.OLEDB.12.0','Excel 12.0;
   Database=D:\sjob\imp\EXCEL\HK2023 退貨單明細.xlsx', [HK$])

2023HK下半年退
貨單明細-1002.xls>

SPO 暫存表的 EAN 補充更新:

 需從中間庫 SKU 表的誠品 26 碼取得 EAN。

修正供應商短名:

 需從中間庫供應商表 碼取得短名。

SPO 暫存表轉 TX_SOM、TX_SOD		
4	匯入 WES 系統作業單 TX_SOM 如下。表(4)	

TX_SOM 欄位	iexp..SPO 欄位	預設值
SONO	SONO	

DOC_TYPE		'1'
OP_TYPE		0
DOCSHIP_TYPE		'ZP'
TRANSTYPE		'C'
GRPID		''
PROVIDER		'01DBSDB99'
COMPANY	PubNo	
CMP_NAME	PubNo	
SORTERBATCHNUM		NULL
PRIORITY		5
CLOSE_FLAG		'00'
TODAYBATCH_FLAG		'00'
DONE		0
CHECKSUM	COUNT(*)	
CRETDATE		GETDATE()
MODDATE		GETDATE()
MODID		sys'
NOTES		
WHC_FLAG		'00'
CTQTY		0

TX_SOD MAPPING 如下。

TX_SOD 欄位	iexp..SPO 欄位	預設值
SONO	SONO	
DOC_TYPE		'1'
DOCSHIP_TYPE		'ZP'
SEQ		5 碼流水號
POKEY	SONO	
PO_SEQ		5 碼流水號
STOKEY	SONO	
STO_SEQ		5 碼流水號
PROVIDER		'01DBSDB99'
STORID	STORID	
SORTERBATCHNUM		NULL
STORENAME	STORID2	
CATID		''
CATNAME		''
PRIORITY		5
SKU	SKU	
BARCODE	EAN	
ISBN		''
DESCR	DESCR	
OPENQTY	QTY	
ACTQTY		0
PRICE		100
DISCOUNT		0
EDITION		'
EDITION_NAME		''

DEFAULT_STORELOC		'RETURN'	
PATHID		'0001'	
CLOSE_FLAG		'00'	
CRETDATE		GETDATE()	
CRETID		'ben'	
MODDATE		GETDATE()	
MODID		''	
NOTES	NOTES+sfile		
AUTHOR		''	
STQ_SEQ		''	
SUSR4		''	
SECAQTY		0	
SORTERBATCHNUM2		NULL	

Out of Scope

海外退供應商若商品缺 EAN 碼，因無條碼無法上設備作業不在範圍。現場需需另貼 26 碼。

不在上述系統，不在此設定及驗證範圍。

2.2.　Recommended Solution Design

1. Infrastructure

   a. Peripherals (printers, PCs, RF unit s etc.)

      N/A

   b. Network (routers, cabling RF access points, LAN and WAN solution)

      Existing network and Wi-Fi

   c. Hosts (Servers for application)

      WES

   d. Software (for PCs and Host, included Operating Systems, Databases, and other software needs).

      SQL Server & WES

   e. Development Environment

      SQL SSMS

   f. Other Hardware

      N/A

2. Integration

   a. Specific transactions and type (e.g. EDI940, EDIFACT DESADV):

      N/A

   b. Transport mechanism (e.g., VAN, MQ Series):

Data Interface Message Detail*		
1	No of EDI messages	N/A
2	Message Type*	N/A

3	Connectivity Protocol*	N/A

3. Application

    WES

4. Reporting

    T_SQL

5. Security And Data Sensitivity

    N/A

6. IT Resilience

    a. Any unique requirement to fulfil RTO (Recovery Time Objective) and RPO (Recovery Point Objective) requirements resulting from the Business Impact Analysis (BIA) and Risk Analysis (RA) (e.g. off-site storage, alternative locations)

        To follow existing eslite backup policy. All usage records will be classified in the enterprise cloud, and data analysis can be carried out in accordance with regulations.

    b. Any requirement regarding level of redundant network connections

        To follow existing eslite Logistics network redundant structure.

    c. Any unique requirement regarding Availability, Data Backup, Archiving / History Requirements

        To follow existing eslite Logistics Interfaces

7. Interfaces

    a. Internal applications

        SQL Server

    b. Client applications

        Windows 10、11

    c. Third Party applications

        N/A

8. Client Systems

    Windows 10 PC: eCaps

3.   External Organisations/Third Party Interfaces

N/A

4. Planning Assumptions

N/A

Planning
Assumptions

	Planning Assumptions	Owner
1	eslite will run the WH for direct shipment to dealers or hospitals. In eslite WH, using WMS WMi to manage inventory level.	
2	eslite will takeover shipment transportation and provide shipment track & trace	
3	No EDI integration between eslite system and customer's ERP.	
4	The quotation is based on current IT resource availability. The timeline or cost may be adjusted if local resource cannot support.	

5. Planning Constraints

No major constraints.

	Planning Constraints	Owner
1		
2		
3		

Document the boundaries that are imposed on the project. Constraint Owner must be a person, not a job title.

6. Key Deliverables and Milestones

6.1. Deliverable Schedule

Specify the key project deliverables for each phase of the project with a name and brief description. Please provide any key project delivery events within any of the above project stages.

(Information comes from IT slide)

NO	Key Milestone	Due date
1	Cos Determination	2023/10/06
2	SIT/FDD signed off	TBD
4	UAT signed off	TBD
5	WES go-live	TBD
6	Hyper Care	TBD

7. Main Project Risks

7.1. Enter both "indirect" risks e.g. "knock-on" impacts to the rest of the business and on outsourcers/3rd parties, and "Direct" risks, e.g. that requires system downtime, cannibalises existing products, draws scarce resources from BAU etc. Consider the level of risk in terms of the following questions:

- Is the Pursuit a new client or industry?

- Is this the first IT use of the Solution Set?

- Is there a lack of Executive Sponsorship?

- Do first year support costs exceed 40% or Project Cost?

- Has adequate Pursuit information been supplied?

Risk Description	Probability High/Medium/ Low	Impact High/Medium/ Low	Management Action
User test	Low	Low	Test issue

8. Service Level Agreements

Please document the key SLA's as per the enclosed document.

OSS%20SLA_202304
.xlsx

9.   Approach

Project Management is a key strategic enabler for the Logistics group that supports the effective delivery of customer solutions. The capability to successfully lead, manage and deliver projects, or new customer solutions, on time, on budget, and to required specifications is core to our business approach. The global project management process is employed by our skilled and experienced project management professionals to ensure the effective leadership and management of change.

eslite project management is a 5-phased project management methodology designed to meet the needs of all project management stakeholders regardless of project size or complexity. Aligned with the principles of the Project Management Institute (PMI), eslite project management provides a standard of project management methodology for eslite while ensuring adaptability to meet cultural needs.

The acronym, eslite project management ®, signifies the 5 phases of a eslite project: Define Plan, Implement, Control and Transition. As a project progresses through these five phases, governance is in place to ensure a continual quality, time and budget check.

10.   Pursuit Controls

10.1. Approvals Process

Summarise the internal approval process to which this Pursuit will be subjected.

10.2. Tolerances and Exception Procedure

What tolerances are permissible above and below the estimated time and cost without escalating the deviation to the next level of management for approval?

10.3. Change Management Procedures

What process will be followed, and what documentation will be used to manage any changes outside of the above tolerances?

10.4. Sign-Off Procedures

Detail below what documents will need to be signed off during this Pursuit, and the individuals who will be signing them off.

10.5. Document Repository

Where will the documents from this Pursuit be located? In most cases this should be Project folders. How will draft and signed-off documents be identified? What file structure will be used? Who will have access to this repository?

11.   Items Not Included

N/A

Part 2 – Financial Case

12.   IT Benefits

N/A

13.   IT Cost Summar

13.1. IT Cost Overview

NO	Item	Unit cost	Qty	Total
Manpower				
1	Concept Of System	NTD15,000	3	45,000
1	Developer	NTD15,000	3	45,000
			Sub total	**NTD90,000**
Purchase				
		NTD0.0	0	0
			Sub total	**NTD0**
			Grand total	**NTD90,000**