



# AppleCare Hub Technical Kick off

Indonesia Buy-Sell

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# Version Control

- Version 1:
  - ▶ 16 August 2012– Initial
- Version 2: Search key **\*\*Ver 2**
  - ▶ 19 September 2012– The term “Delivery Group” replaced by the term “Delivery Sort Code”
  - ▶ 19 September 2012– Changes to Delivery Sort Codes
  - ▶ 19 September 2012– Changes to the IT package

# Technical Overview

- Impact to the Hub
  - Organizational Element Changes
  - Transportation Zone changes
  - Delivery Segregation Logic
  - EDI 940 Specification changes
  - Shipment Consolidation
- Appendix

# Organizational Element changes

# Organizational Element changes

● EDI 180

Org Element	EDI Raw File Segment	Org Value	Value post Go Live
Sales Org	If N101=A9 then N104	6455	1975
Plant	If N901=PE then N902	6451	6451
SLOC	If N901=M1 then N902	KBBI	KBBI
Shipping point	If N901=4B then N902	6451	6451

 Changed values

# Organizational Element changes

## ● EDI 940

Org Element	EDI Raw File Segment	Org Value	Value post Go Live
Sales org	If N101=A9 then N104	6455	1975
Shipping point	If N901=4B then N902	6451	6451
Plant	If N901=PE then N902	6451	6451
SLOC	If N901=M1 then N902	KGB...	KGB...

 Changed values

# Organizational Element changes

● EDI 856 SC

Org Element	EDI Raw File Segment	Org Value	Value post Go Live
Shipping point	If REF01=4D then REF02	6451	6451
Plant	If REF01=PE then REF02	6451	6451
SLOC	If REF01=WS then REF02	KGB...	KGB...

# Organizational Element changes

● EDI 861

Org Element	EDI Raw File Segment	Org Value	Value post Go Live
Plant	If REF01=PE then REF02	6451	6451
SLOC	If REF01=WS then REF02	KBBI/KBBO/SCRP/UOB etc ...	KBBI/KBBO/SCRP/UOB etc ...



# Transportation zone changes

# Transportation zone changes

As part of the Indonesia Buy-Sell project, six transportation zones will be transmitted via the EDI 940 for Indonesia

- ▶ ID000002
- ▶ ID000003
- ▶ ID000004
- ▶ ID000005
- ▶ ID000006
- ▶ ID000007

The six transportation zones will correspond to the following delivery zones

- ▶ ID000002– Jakarta
- ▶ ID000003– Surabaya
- ▶ ID000004– Denpasar
- ▶ ID000005– Medan
- ▶ ID000006– Balikpapan
- ▶ ID000007– Batam

# Transportation Zone Changes

- The transportation zone for Indonesia in the EDI 940 will be of length **8 characters** as against 10 characters that is currently being transmitted

N9~4B~6451
N9~CS~A3~Road
N9~KY~ZPP~Apple Pays Freight
N9~BU~N
N9~KK~LF~~~~PH NORMAL CB Y 10 Y
N9~U2~Z130~Net 30 Days
G62~17~20120718
G62~10~20120706
G62~09~20120706
NTE~TRA~SG00000001+ID000002

# Delivery Segregation Logic

# AC Delivery Segregation

- Delivery Segregation is required for all shipments into Indonesia based on the following attributes :-
  - ▶ Dutiable/ Non Dutiable
  - ▶ WiFi / Non WiFi
  - ▶ Pre Shipment Inspection / Non Pre Shipment Inspection
- Delivery Segregation requirement will split a sales order into a maximum of 8 Delivery Sort Codes **\*\*Ver 2**

Sales Order	Ship To	Tzone	PSI Only	Dutiable Only	WiFi Only	PSI Dutiable	Dutiable WiFi	PSI WiFi	PSI Dutiable WiFi	NONE
70001	7201	ID000002	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8
70002	7202	ID000002	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16
70003	7202	ID000002	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16
70004	7203	ID000003	DN17	DN18	DN19	DN20	DN21	DN22	DN23	DN24
70005	7202	ID000002	DN25	DN26	DN27	DN28	DN29	DN30	DN31	DN32

- As per an existing functionality in Apple, DN's for the same ship-to will be combined in Apple SAP
  - ▶ For ex: Sales Orders 70002 and 70003 will be combined. i.e. DN 9, DN10, DN11, DN12, DN13, DN14, DN15, DN16 based on the common ship-To 7202. This functionality will continue to exist in Apple SAP

# Delivery Segregation

The Delivery Sort code will be of length ‘4’ characters as under : \*\*Ver 2

1st Digit	2nd Digit	3rd Digit	4th Digit
Indicator of rank	Indicator of 1st characteristic	Indicator of 2nd characteristic	Indicator of 3rd characteristic

1	1	1	1
2	1	1	0
3	1	0	1
4	1	0	0
5	0	1	1
6	0	1	0
7	0	0	1
8	0	0	0

- PSI relevance will be indicated in the using the 2nd digit of the code being ‘1’
- Dutiable indicator will be transmitted via the 3rd digit of the code being ‘1’
- WiFi relevance will be communicated using the 4th digit of the code being ‘1’

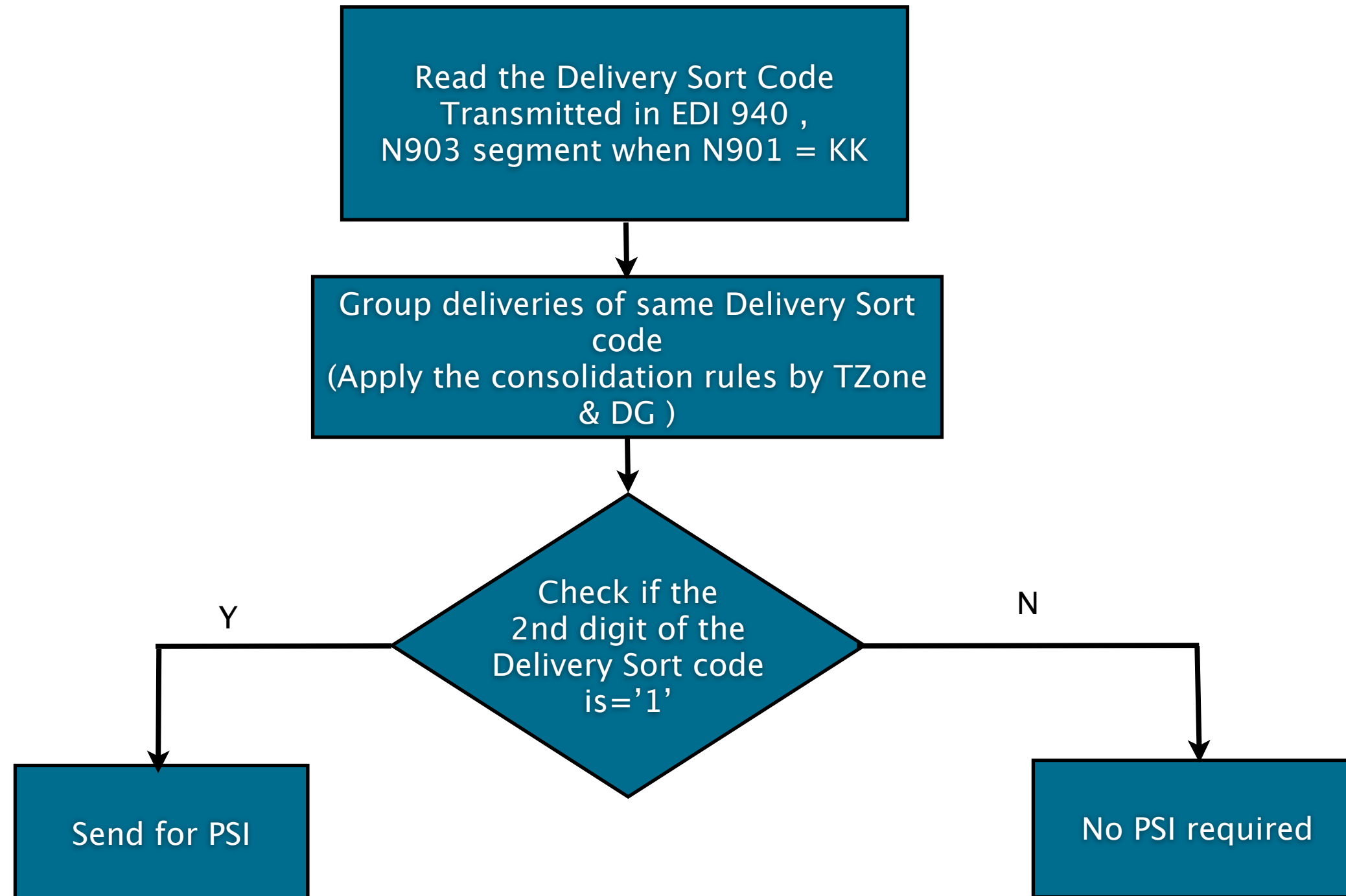
# Delivery Segregation

- The following table states the description of the eight possible Delivery Sort Codes **\*\*Ver 2**

Delivery Sort Code	Usage of Code for ID
1111	PSI Dutiable WiFi
2110	PSI Dutiable
3101	PSI WiFi
4100	PSI only
5011	Dutiable WiFi
6010	Dutiable only
7001	WiFi only
8000	None

# Delivery Segregation

- Methodology to know if Delivery is PSI relevant : \*\*Ver 2





# EDI Changes

- The Delivery Sort Code will be transmitted via the EDI 940 only for Indonesia **\*\*Ver 2**
- The Delivery Sort Code will be communicated in the Header N9 segment as under :
  - ▶ If N901= 'KK' then N903='Delivery Sort Code' **\*\*Ver 2**

\*\*Ver 2

Delivery Sort Code=N903  
When N901= 'KK'

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**N9 Reference Identification**

Pos: 090Max: 10

Heading - Optional

Loop: N/AElements: 4

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N901	128	Reference Identification Qualifier	M	ID	2/3

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 11)

Code	Name
4B	Shipment Origin Code
9L	Service Bureau
CO	Customer Order Number
CR	Customer Reference Number
CS	Condition of Sale Document Number
CT	Contract Number
KK	Delivery Reference
KY	Site Specific Procedures, Terms, and Conditions
RZ	Returned Goods Authorization Number
U2	Term
ZZ	Mutually Defined

N902	127	Reference Identification	C	AN	1/30
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1:

If N901 = KK then  
N902 = Delivery Type  
N903 = Delivery Sort Code  
N90701 = PH  
N90702 = Delivery Priority  
N90703 = CB  
N90704 = Ship Complete Flag  
N90705 = IO  
N90706 = Consolidate Flag

Change Log:

Version 1.0 06/24/2005 - Initial Creation for Omega Apple Care Project.  
Version 1.1 08/14/2007 - Added 2 new qualifiers (PMT and TIL) in NTE segment (header level) for Japan COD projects.  
Version 1.2 04/28/2009 - Added 'User Note' in N405/06 & PER07/08.  
Version 1.3 07/31/2009 - Change User Note: under N901 qual. TN in detail level:  
From N902 is the CTO Reference Number

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9/19/2012 X12V4010 Warehouse Shipping - APAC Omega Apple Care - 940

To N902 is the Retail Repair ID

Version 2.0 - 08/31/2012 - Indonesia Geo Expansion Project  
Added new N9-03 in qualifier KK (Delivery Sort Code) in header level

# Shipment Consolidation

# Shipment Consolidation at the Hub

- ▶ HAWB will be generated at the DN level
- ▶ For physical shipments, all deliveries which satisfy the below criteria can be grouped into a MAWB
  - ▶ Same Delivery Sort Code **\*\*Ver 2**
  - ▶ Same Transportation Zone
- ▶ Maximum restriction of 100 kgs at the MAWB level



# Shipment Consolidation at the Hub

Sales Order	Ship To	Tzone	PSI Only	Dutiable Only	WIFI Only	PSI Dutiable	Dutiable WIFI	PSI WIFI	PSI Dutiable WIFI	NONE
70001	7201	ID000002	DN1	DN2	DN3	DN4	DN5	DN6	DN7	DN8
70002*	7202	ID000002	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16
70003*	7202	ID000002	DN9	DN10	DN11	DN12	DN13	DN14	DN15	DN16
70004	7203	ID000003	DN17	DN18	DN19	DN20	DN21	DN22	DN23	DN24
70005*	7202	ID000002	DN25	DN26	DN27	DN28	DN29	DN30	DN31	DN32

\* Sales orders 70002 and 70003 belonging to ship to 7202 is combined into one delivery i.e. DN9, DN10... but sales order 70005 belonging to the same ship to 7202 has created different DN's i.e. DN25, DN26... because the delivery due TDM's are different for the SO's.

-> 70002 & 70003 are part of TDM1  
-> 70005 is part of TDM 2



# Appendix

## IT package:

- ▶ Revised EDI Specs
- ▶ EDI example
- ▶ EDI Summaries

Thank You