

Parcel Solution Framework

Track & Trace Solution – Pharma Serialization



Parcel & Serialization

The reasons

Factors Necessitating Product Serialization



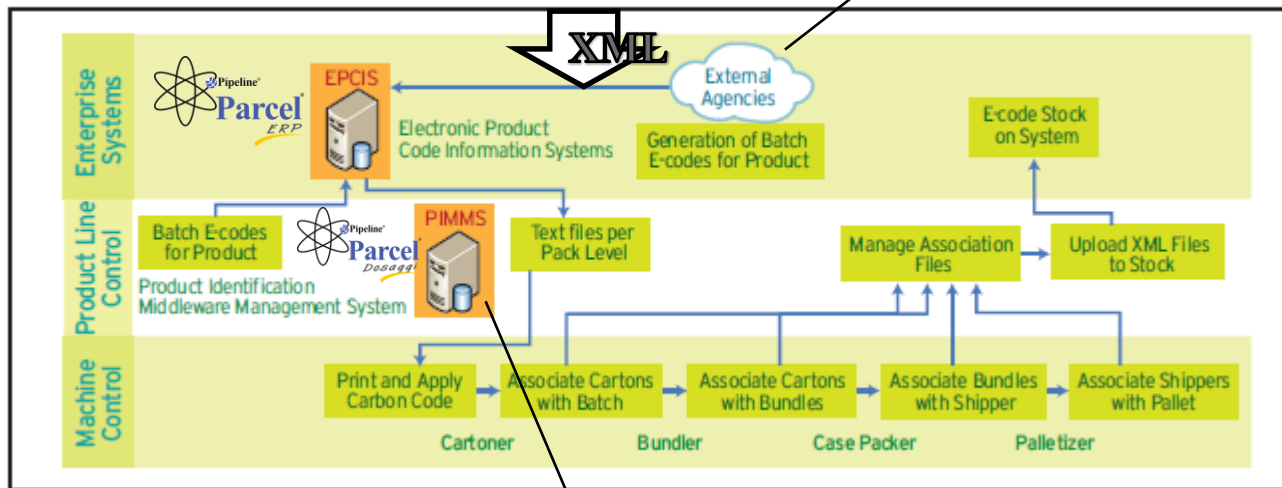
Parcel Philosophy

- To accomplish the successful deployment of a global serialization program, flexibility is the key. Parcel is targeted and designed to provide building blocks of functionality, which can be applied differently to the same products shipped into many different regulatory environments around the globe.

Serialization process & workflow

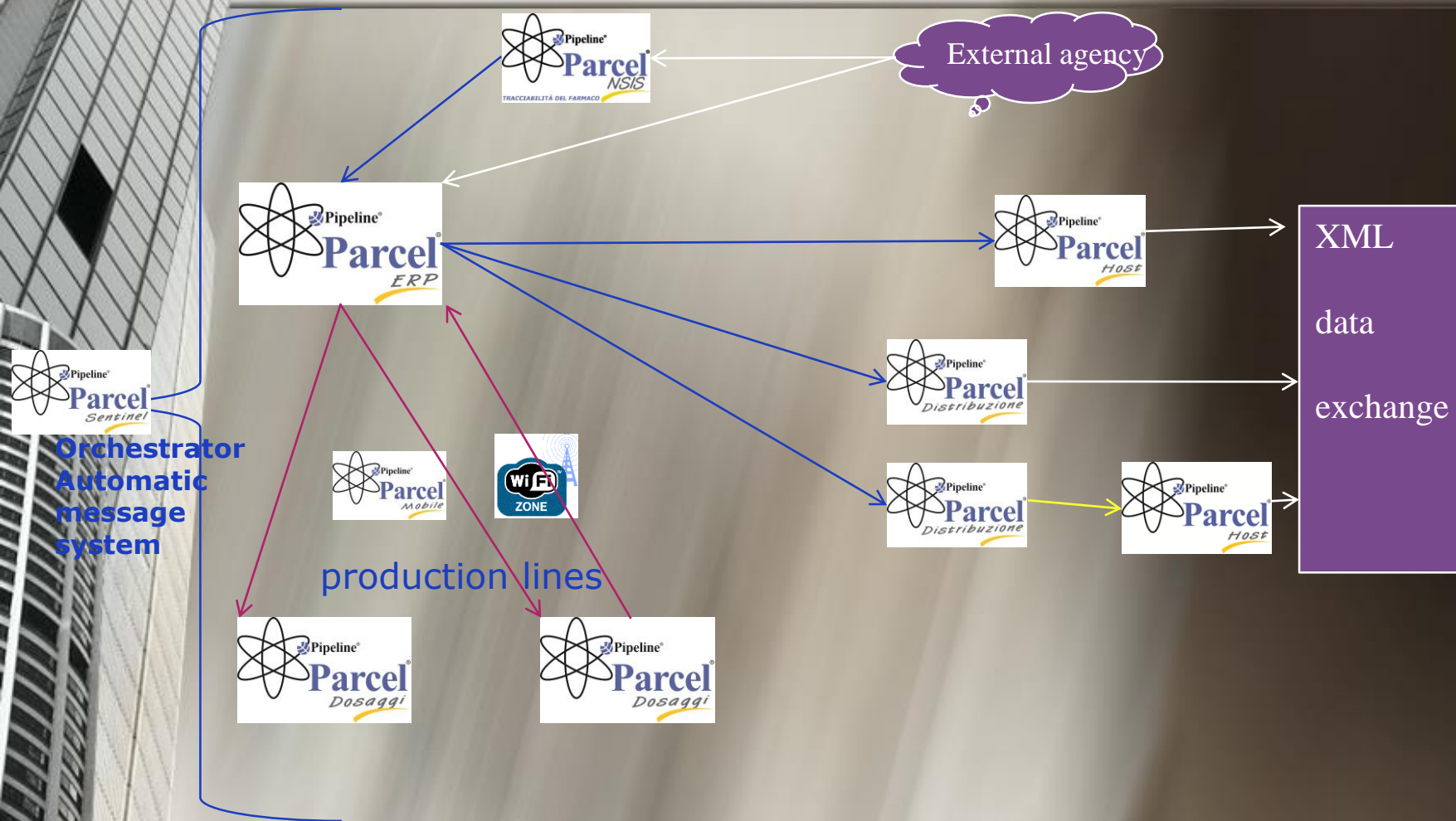
In Italy – «Bollini»
from Poligrafico dello
Stato

Carton Labeling and Association Process Flow



data link from EPICS via wifi to permit usage in
sterile environments and mobile devices

Parcel eco-system



U.S.A. Standards & Generic Barcode configuration

Example of a GTIN-14 with an NDC embedded

GTIN	0	0	3	6	1	4	1	4	5	6	7	8	9	4
Digit/Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14

How to Populate Each Digit (color-coded to coordinate with the GTIN-14 shown above)

Position 1	Indicator Digit (numeric value from 0 to 8)
Position 2 and 3	GS1 Prefix "03"
Positions 4 through 13	NDC Labeler Code as assigned by FDA p created by the manufacturer (Although the length of the Labeler Code and t always be a combined total of 10 digits.)
Position 14	Check Digit

Figure 4: Populating the

First step create semantic : the rules used to create a lot / serial number

Parcel has a configurable system at item level and lot / serial number level that meet international and country specific standard

The screenshot shows the 'Semantics Management' application window. It has a 'Detail' tab selected. The 'Semantic Code' field contains 'DERIVEDCODETEST_1' and the 'Semantic Description' field also contains 'DERIVEDCODETEST_1'. Below this is a table with columns 'Tools', 'Row No.', 'Code', 'Description', and 'Detail'. The table lists several semantic codes: 10 SETT (Settimana dell'anno), 15 BARRA (barra), 20 GIORNOMESE (giorno del mese), 25 BARRA2 (barra), 30 TIPOART (tipo articolo), 35 TRATTINO (trattin), and 40 PROG (progressivo). The 'Detail' column has checkboxes, with the one for '30 TIPOART' checked. Below the table, there are configuration fields for the selected semantic code (Row Number: 10, Part Code: SETT, Part Description: Settimana dell'anno, Context Type: Settimana dell'anno, Lengh Type: Dipendente dal contenuto, Mask: WW, Lengh: 2, Max lots number). There are also checkboxes for 'Included in Code' (checked), 'Automatic Numerator bond' (checked), 'Automatic Increase' (unchecked), and 'Bond sequence' (10). A 'Filling Character' field is empty. At the bottom, there is a 'test' button and a visual representation of the 'max Lengh' (green bar) and 'Actual Lengh' (orange bar).

U.S.A. Standards & Generic Barcode configuration

Second Step create link
& rules about «when use
this semantic»

Warehouse Moving Stock Reason table - View

Detail List

Code: ACC Reason Code Nature: AA Purchase Receipt to be certified

Description: Accettazione merce da fornitore System Reason Code

General Accounting Data Production Data Lots Warehouses

Lot management

Row	Code	Description	Semantics	Create	Main Lot
10	LOTTO01	Lotto Produzione Interna	LOTTOMAN01	<input type="checkbox"/>	<input type="checkbox"/>
20	LOTTO02	Lotto Produzione Esterna	LOTTOMAN01	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30	LOTTO03	Lotto Acquisto	LOTTACC	<input type="checkbox"/>	<input type="checkbox"/>
40	LOTTO04	Lotto Fornitore	LOTTOMAN01	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60	LOTTONEW	Nuovo Lotto	SEMA01	<input type="checkbox"/>	<input type="checkbox"/>
70	LOTTOBR1	Lotto di prova di Bruno	PRO_BR2	<input type="checkbox"/>	<input type="checkbox"/>
80	LOTTOPROD	lotto produzione sub lotto	SUFFISSO+PROGR	<input type="checkbox"/>	<input type="checkbox"/>
90	PROD-S	Lotto di produzione (SUB)	LOTTO_PROD_SUB	<input type="checkbox"/>	<input type="checkbox"/>
100	PROD	Lotto di produzione (generale)	LOTTO_PROD_GEN	<input type="checkbox"/>	<input type="checkbox"/>
110	LOTTOACC	Lotto accettazione	LOTTOACC2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
130	PROD_EREDITA	Produzione Eredità	PRODUZIONE	<input type="checkbox"/>	<input type="checkbox"/>
140	ACCETTAZIONE	Accettazione	ACCETTAZIONE	<input type="checkbox"/>	<input type="checkbox"/>
150	CONTIN	contin	TEST_1_CONT	<input type="checkbox"/>	<input type="checkbox"/>

Row: 10 ☐ Create ☐ Main Lot

Confirm Cancel

U.S.A. Standards & Generic Barcode configuration

Third Step create link & rules about «alternative code for item»

Item Master Data - View

Items List

Code: ALFA Status: Temporary

Description: ALFA sada Management: with batch no.

Sup. description: ALFA dsa dada Quarantine: Mandatory

Type:

☐ Supplementary Description Print-Out

General	Management Data	Informations	Price Lists	Stocks																								
Technical Data	Permissions	QA & QC	Alternative Codes	Translations																								
<table border="1"><thead><tr><th>Tools</th><th>Type</th><th>Business Name</th><th>Alternative ...</th><th>Item description</th><th>Sup. description</th></tr></thead><tbody><tr><td> Insert</td><td>▶ EAN-128</td><td></td><td>aaaa</td><td></td><td></td></tr><tr><td> Edit</td><td>Interleaved 2 of 5 (ITF)</td><td></td><td>sgsd</td><td>gsdgds</td><td>prova</td></tr><tr><td> Delete</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>					Tools	Type	Business Name	Alternative ...	Item description	Sup. description	Insert	▶ EAN-128		aaaa			Edit	Interleaved 2 of 5 (ITF)		sgsd	gsdgds	prova	Delete					
Tools	Type	Business Name	Alternative ...	Item description	Sup. description																							
Insert	▶ EAN-128		aaaa																									
Edit	Interleaved 2 of 5 (ITF)		sgsd	gsdgds	prova																							
Delete																												

Code Type: Counterpart:

Alternative Code: aaaa

Description:

Supplementary description:

Confirm Cancel

Using codes through the process

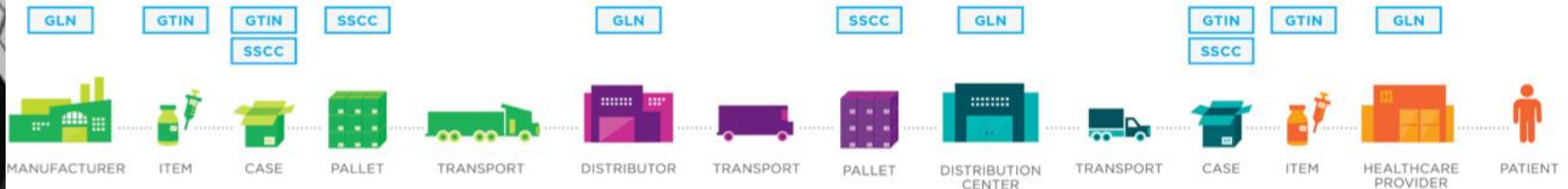
IDENTIFY: GSI IDENTIFICATION NUMBERS

GLN Global Location Number

GTIN® Global Trade Item Number®

SSCC Serial Shipping Container Code

EPC® Serialized Global Trade Item Number



CAPTURE: GSI SYSTEM DATA CARRIERS

BARCODES

EAN/UPC



GS1-128



ITF-14



GS1 DataBar™



GS1 DataMatrix



EPC-ENABLED RFID

HF RFID



UHF RFID



SHARE: GSI INTERFACE STANDARDS FOR ELECTRONIC COMMERCE

MASTER DATA GLN Registry for Healthcare®, Global Data Synchronization Network™ (GDSN®) **TRANSACTIONAL DATA** EDI **PHYSICAL EVENT DATA** EPC Information Services



XML in & out mechanism

AIC Coding - View

Detail

Item: 2222

AIC Code	Coun...	Start Date	End Date
aaa	IT	20/01/2013	22/01/2013

AIC Code: aaa Country: IT Italia

☒ Purchased ☐ Item

Expiry start: 20/01/2013 Usable End: 22/01/2013

Confirm Cancel

Create a link between internal item code & government coding system both on item purchased & sold

Transmission Type
Movement Type
Sender Type
Consignee Type
Customer Type / invoicee Type
Sender / Receiver ID Code
Type Document Code
Recipient IPZS Code type

Define criteria on supply chain pipeline

Generazione Movimenti

From: [] to: []

Ref. Date: 21/01/2014 Generated File: 21_01_2014_20140121_105930.xml

Detail

Consignee Type: [] Consignee ID: []

Transmission: [] Movement: []

Document Type: []

AIC Code: [] Expiration: [] Quantity: 0

Confirm Cancel

Create XML file for every occurrence manually or automatically (by Sentinel Orchestrator)

Parcel : Solution you can trust

Thanks !