

The Global Language of Business

## Complying to DGFT Central Portal Requirements

DAVA Portal Workshop

Implementation Team, GS1 India 2018



## Agenda



- Introduction.
- Introduction to GS1 and Global Standards.
- DGFT Implementation.
- Barcode Basics.
- Data Aggregation and Preparation.
- DAVA Portal Process Flow.
- Q&A.



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## About GS1













## THE GLOBAL LANGUAGE OF BUSINESS



# Healthcare Industry Challenges

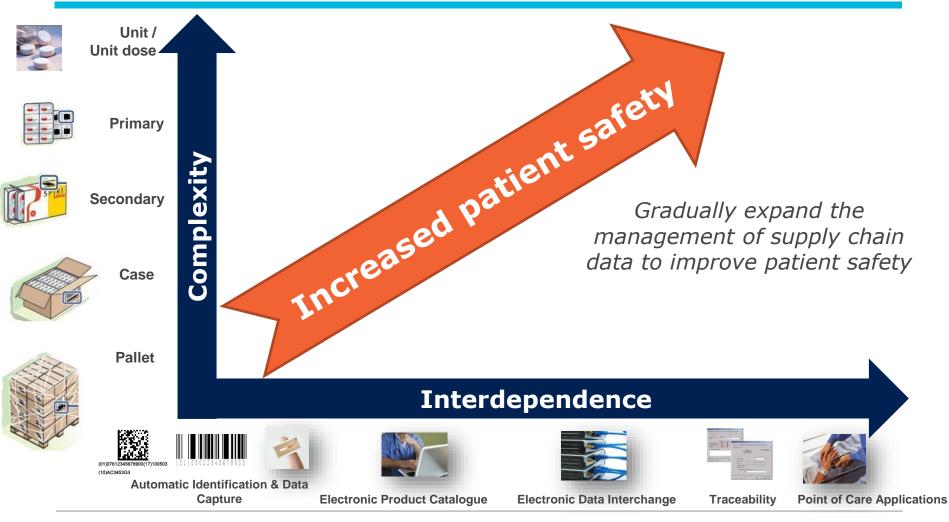






## Secure Healthcare Supply Chain







## **GS1** Standards Framework







## **DGFT MANDATE**

- Background Why This Mandate
- Milestones
- Latest Notification
- Package Definition





# DGFT Circular 05 Jan 2016



#### ii) Parent -Child Relationship/ Effective dates for SSI and Non-SSI Manufacturers:

The manufacturer or exporter shall maintain the data in the parent-child relationship for three levels of packaging i.e. Primary, Secondary and Tertiary packaging and their movement in its supply chain.

#### a) All Manufacturers (SSI & Non- SSI Manufacturers):

As one time exemption all manufacturers are exempted from maintenance of Parent-Child relationship in packaging and its uploading on central portal (<u>http://dava.gov.in</u>) till 31.03.2016. However, the requirements of printing of barcoding on the different levels or packaging will be applicable as prescribed.

#### b) Extended Date of Exemption to SSI Manufacturers:

All SSI drug manufacturers are exempted from requirement of maintaining Parent-Child relationship in packaging levels for a further period up to 31.03.2017. However, they are required to upload Tertiary level data on the central portal mandatorily as prescribed in public notice no. 13/2015-2020 dated 22.05.2015.

iii. The data mentioned in (ii) above shall be uploaded on the central portal of the Government of India by the manufacturer or exporter or its designated agency before release of the drug formulations for sale or distribution.

- iv. The responsibility of the correctness, completeness and ensuring timely upload of data on the central portal shall be with the manufacturer or exporter.
- v. The above rules (i) to (iv) will not be applicable to those drug formulations manufactured for export purposes, where the government of the importing country has mandated or formally notified its intention to mandate a specific requirement and the exporter intends to avail the option of printing the barcodes in their format after duly obtaining the permission of DCGI or its nominee. However, the tertiary level of packaging will have additional printing of barcode as per (i)(c) above in addition to importing country's requirement, if any.
- vi. Export of drugs manufactured by non-SSI units and having manufacturing date prior to 31.03.2016 and export of the drugs manufactured by SSI units and having manufacturing date prior to 31.03.2017 are exempted from requirement of data uploading on Central Portal.



## Latest Circular May 09, 2018



Public Notice No. 05 /2015-2020 New Delhi, Dated the 9<sup>th</sup>May, 2018

Subject: Implementation of the Track and Trace system for export of Pharmaceuticals and drug consignments alongwith maintaining the Parent-Child relationship in the levels of packaging and their movement in supply chain – Extension of date of implementation regarding.

In exercise of the powers conferred under Paragraph 2.04 of the Foreign Trade Policy, 2015-20, as amended from time to time, the Director General of Foreign Trade hereby amends Para 2.90A of Handbook of Procedure - 2015-20 (as notified vide Public Notice No. 43/2015-20 dated 05.12.2017) read with Public Notice No. 52 / 2015-20 dated 05.01.2016, for laying down the procedure for implementation of the Track and Trace system for export consignments of drug formulations.

 The amended Para 2.90 A (vi) and (vii) which outlines the implementation date of Track and Trace system for export of drug formulations for non SSI as well as SSI units has been substituted and would read as under :-

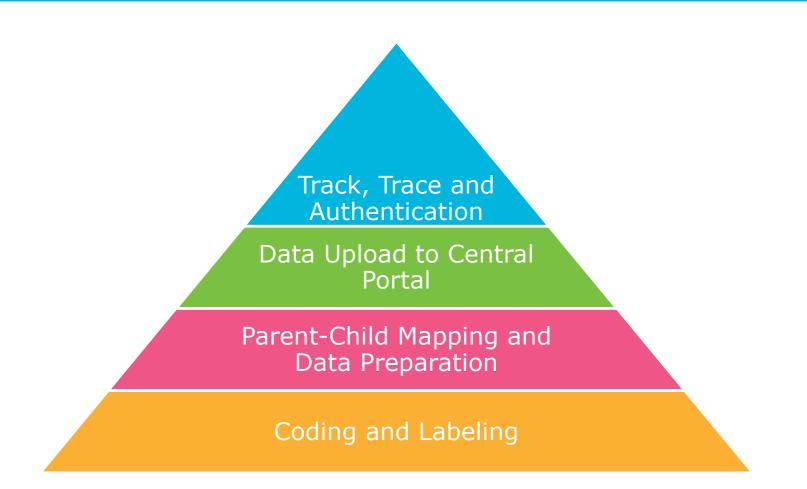
#### "2.90 A

- vi. Export of drugs manufactured by SSI and non-SSI units and having manufacturing date on or before 15.11.2018 are exempted from maintenance of data in the Parent-Child relationship for three levels of packaging and its uploading on Central Portal(<u>http://dava.gov.in</u>).
- vii All drugs manufactured by SSI or non SSI units and having manufacturing date after 15.11.2018 can be exported only if both tertiary and secondary packaging carry barcoding as applicable and the relevant data as prescribed by DGFT is uploaded on the Central Portal.



## DGFT Mandate: Critical Milestones







## **DGFT Mandate**



**Public Notice No. 13/2015-2020**, dated 22 May 2015, states pharma exporters must identify products and create parent-child relationship data between packaging levels.

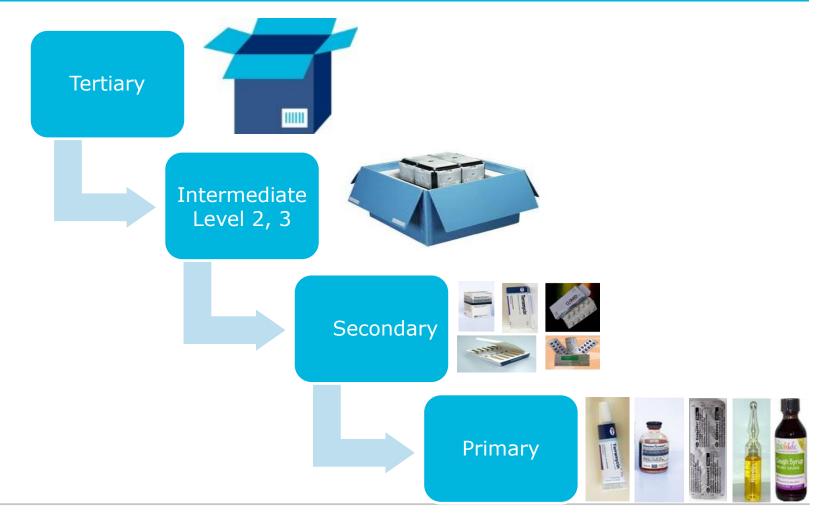
Packaging Levels	Information to be	captured	Format		
Tertiary level Meant for transport/ logistics.	<ul> <li>Homogeneous</li> <li>GTIN-14 (product code)</li> <li>Expiry date</li> <li>Batch number</li> <li>SSCC (carton code)</li> </ul>	Heterogonous <ul> <li>SSCC</li> </ul>	<ul><li>Human readable</li><li>Barcode</li></ul>		
Secondary Level Packaging level containing multiple primary packs.	<ul> <li>GTIN-14</li> <li>Expiry date</li> <li>Batch number</li> <li>Unique serial number</li> </ul>		<ul><li>Human readable</li><li>Barcode</li></ul>		
Primary level* Packaging in direct contact with the medicine. E.g., strip, vial, etc.	<ul> <li>GTIN-14</li> <li>Expiry date</li> <li>Batch number</li> <li>Unique serial number</li> </ul>		• Human readable		

\*Primary products are exempted from barcoding till next notification.



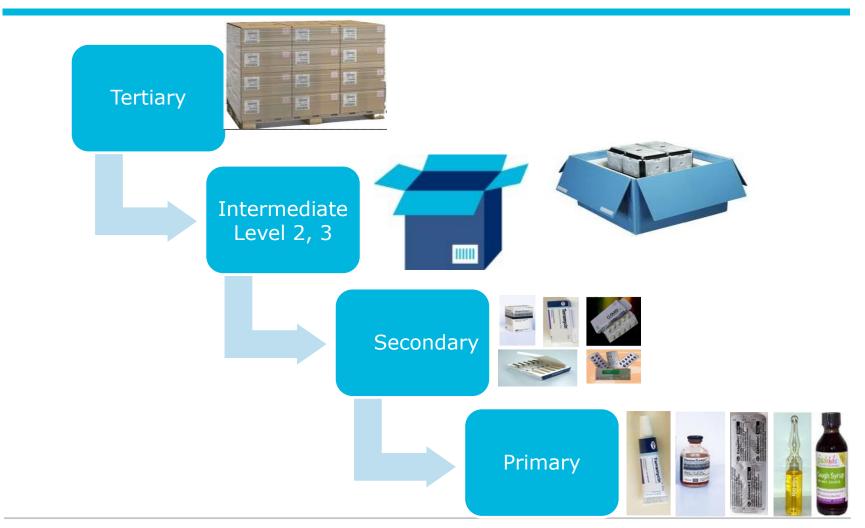
# **Definition of Packaging Levels**







# **Definition of Packaging Levels**





## **Barcode Basics**

- GTIN Allocation
- GTIN-13 to GTIN-14 conversion
- Indicator Digits and Relevance
- Consequence of wrong Indicator digits
- Secondary Label
- Tertiary Label





## Allocation of GTINs



 Allocate a unique Global Trade Item Number (GTIN) for each item

- (i.e. drug or pharmaceutical product)
- Assign GTINs across all packaging levels
   (i.e. Primary, Secondary, Tertiary)





- GTIN" is a Global Trade Item Number
- A globally unique 8, 12, 13, or 14-digit number that uniquely identifies products and services.
- One of the identification "keys" (numbers) of the GS1 System.
- Unique and unambiguous
- Uniquely identifies a product/service at every level of packaging
- Always numeric
- A non-intelligent number
- Assigned according to GTIN Allocation Rules



## **Components of GTIN-13**



### A) COMPANY PREFIX

- Allocated by GS1 India
- Enables product identification worldwide in terms of:
  - The country of GS1 membership
  - ✓ The company

## B) ITEM NUMBER

 Subscriber uses it to identify each unique product type (SKU).

## C) CHECK DIGIT

- Calculated using preceding digits
- Verified when scanned





## **Use Correct Indicator Digits**



The Indicator Digit is the first digit of GTIN-14 It is used to identify the packaging level





# Illustration: GTIN-14 Construction at Different level of packaging



Packaging Level		Dat	a Structure	
Primary	<b>GTIN - 14</b> : <b>0</b> 89	01296 90965 2		
	Indicator Digit	Company Prefix	Product Codes	Check Digit
	0	8901296	90965	2
	As per the requiren DGFT portal, only "0" used as an indicator di	can be India	Product Codes assigned by the company	Check Digit generated based on Modulo-10 algorithm
Secondary	GTIN - 14 : 1 89	01296 90965 9		
	Indicator Digit	Company Prefix	Product Codes	Check Digit
	1	8901296	90965	9
	As per the requireme DGFT portal, only "1" o used as an indicator dig	an be India	Product Codes assigned by the company	Check Digit generated based on Modulo-10 algorithm
Tertiary	<b>GTIN - 14</b> : 5 89	01296 90965 7		
Tertiary	GTIN - 14 : 5 89	01296 90965 7 Company Prefix	Product Codes	Check Digit
Tertiary			Product Codes 90965	Check Digit 7



# Using Wrong Indicator Digits



## Verification failures of drugs on the central portal or mobile app can occur, if the wrong indicator digits are used





## Data Structure – Secondary Packaging Level



Packaging Level	Information	Data Structure								
Secondary	<ul> <li>GTIN 14</li> <li>Expiry Date</li> <li>Batch Number</li> <li>Serial Number</li> </ul>	(01)Indicates the data following it is GTIN-1418901296909659GTIN-14 of the Secondary Pack(17)Expiry Date of the Drug190831Expiry date of the drug in YYMMDD format(10)Indicates the data following it is Batch No.2257258Batch No. of the drug. Alphanumeric 20 digit long(21)Indicates the data following it is serial number987456Serial number of the Drug. Alphanumeric and 20 digit longAlGTIN-14AlExp.DAlBatch No.(01)18901296909659(17)190831(10)2257258(21)987456								





## **2D Barcode Printing**

- Use of correct symbology: GS1 Datamatrix. Not Data Matrix
  - Starts with Function Character (FNC1), which enable scanners to process data according to GS1 System Rules
  - By using GS1 Data Matrix, it is possible to concatenate (link) discrete Application Identifiers (AIs) and their data into a single symbol
- Data Encoding
  - Fixed data followed by variable information
  - Encode separator characters between variable data

Conc	Concatenation of the Data 1, 2 and 3:												
FNC1		AI 1	Data 1 (pre- defined length)	AI 2	Data 2 (not pre- defined length)	FNC1 <sup>1</sup>	AI 3	Data 3 (variable length)					



## Data Structure – Tertiary Packaging Level



Packaging Level	Information	Data Structure										
Tertiary	First Barcode: • GTIN 14 • Exp. date • Batch no	Al (01) (01) 58901 (17) 19083 (10)	296909657	58901296909657         (17)         130630         (10)         2257258           Indicates the data following it is GTIN-14								
		22572				ne drug. Alphan						
	• Unique Carton	AI (00)	SSCC 089012960	200000	012							
	Number (SSCC)	(00) 0890 0012	1296020000	Indicates the data following is SSCO Unique serial number(SSCC) of the num the Carton. Numeric 18 digit code								



## Avoid Common Mistakes



## **1D Barcode Printing**

- Use of correct symbology: GS1-128. Not Code-128
  - Starts with Function Character (FNC1), which enable scanners to process data according to GS1 System Rules
  - By using GS1-128, it is possible to concatenate (link) discrete Application Identifiers (AIs) and their data into a single symbol
- Data Encoding:
  - Fixed data followed by variable information
  - Encode separator characters between variable data

Conca	Concatenation of the Data 1, 2 and 3:													
FNC1		AI 1	Data 1 (pre- defined length)	AI 2	Data 2 (not pre- defined length)	FNC1 <sup>1</sup>	AI 3	Data 3 (variable length)						



## Generation of SSCC



SSCC (18 digits shipper identification code ) is used for the unique identification of each Tertiary / logistic level package.

		SSCC (Serial Shipping Container Code)										
Application Identifier	Extension Digit											
0 0	N <sub>1</sub>	$N_2 \ N_3 \ N_4 \ N_5 \ N_6 \ N_7 \ N_8 \ N_9 \ N_{10} \ N_{11} \ N_{12} \ N_{13} \ N_{14} \ N_{15} \ N_{16} \ N_{17}$	N <sub>18</sub>									

#### Steps to generate, SSCC:-

- Extension digit can be any number ranging from 0-9. It provides flexibility to increase the serialization capacity of the Serial Reference within the SSCC. With each extension digit, you can generate a fresh set of serial reference numbers.
- Use GCP issued by GS1 India or any other GS1 member organizations in other countries
- Generated unique serial reference number to identify each Tertiary/logistic level package.
- Calculate check digit using online Check Digit Calculator available at <u>http://www.gs1india.org.in/calculater.aspx</u>

Extension Digit	GS1 Company prefix > < Serial reference number									Check Digit							
1	8	9	0	1	1	0	7	0	0	0	0	0	0	0	0	1	8

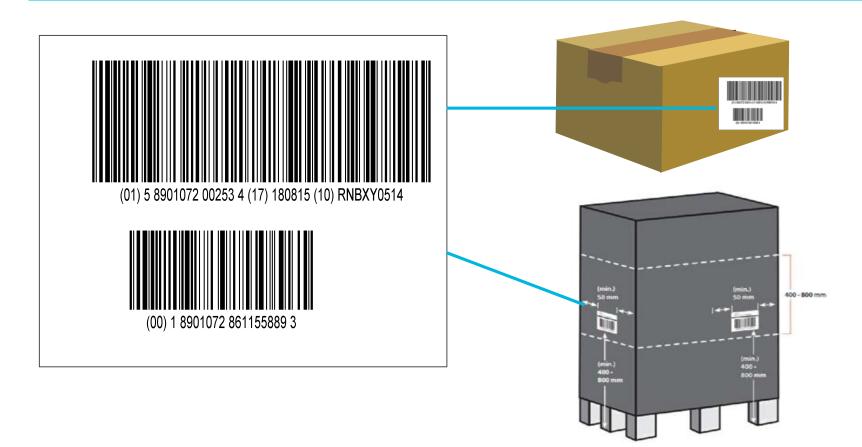
The above example:

- Uses "1" as the first digit as extension digit to generate SSCC
- Uses company prefix number "8901107"
- Has been assigned serial reference number " 000000001"
- Is the check digit calculated based on preceding 17 digits using check digit calculator



## Tertiary Level- Homogeneous







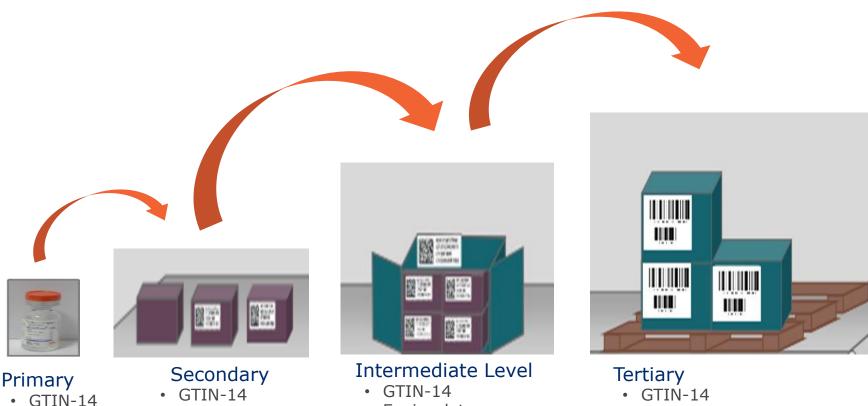
## Parent-Child Relationship





## Link Packaging Levels Using Parent-child Relationship





- Expiry date
- Batch number
- Unique serial number

- Expiry date
- Batch number •
- Unique serial number

- Expiry date •
- Batch number
- SSCC

#### Or Only SSCC



•

Expiry date

Unique serial

number

Batch number

Illustration of Homogeneous Pack: Parent-Child GTIN Relationship when there is only one secondary level



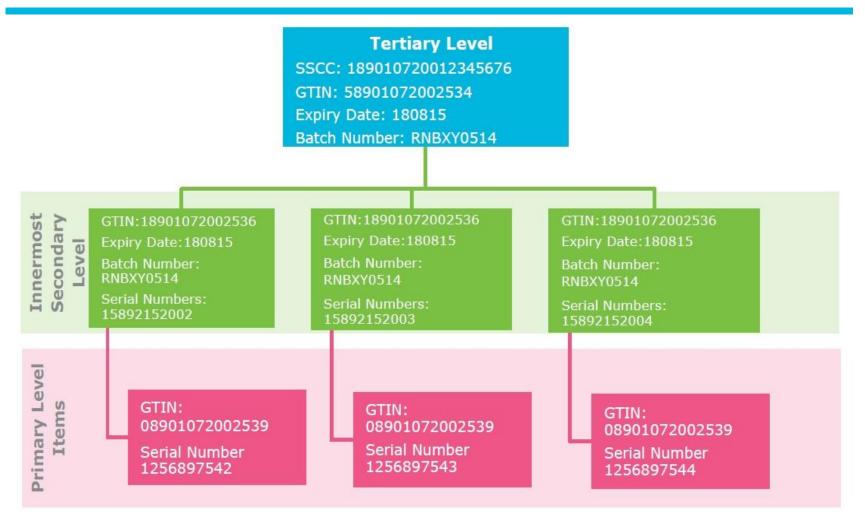
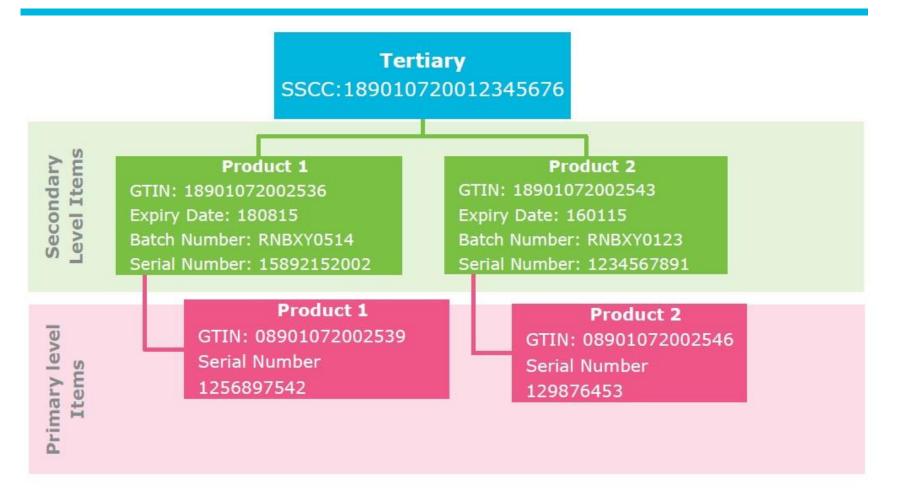




Illustration of Heterogeneous Pack: Parent-Child GTIN Relationship when there is only one Secondary Level







# Data Mapping in Internal Application - Parent Child Relationship



Tertiary-SSCC	Secondary GTIN	Secondary Serial No	Primary GTIN	Primary Serial No
58901296909657	18901296909659	987456	08901296909652 08901296909652	0001 0002
089012960200000012	18901296909659	987457	08901296909652 08901296909652	0003 0004
	18901296909659	987458	08901296909652 08901296909652	0005 0006
	18901296909659	987459	08901296909652 08901296909652	0007 0008
58901296909664	18901296909727	522142	08901296909720	XBI589
089012960200000027	18901296909727	522143	08901296909720	XBI595
	18901296909727	522144	08901296909720	XBI599
	18901296909727	522145	08901296909720	XBI605

Tertiary GTIN is linked with Secondary serial no. Secondary serial no. is linked with primary GTINs & sr no.



# Parent Child Relationship: Sample Data



SSCC	SubItemCnt		ProductCode	SecSrNo	BatchNo	<b>NoOfPrimaries</b>	PriSrNo
189060382838092179	1	1	890603828136	1054956	1504047	1	122334
189060382838092520	11	1	890603828136	11056117	1504047	1 1	124470
189060382838092520	11	1	890603828136	11056118	1504047	1 7	124471
189060382838092520	11	1	890603828136	11056119	1504047	1 7	124472
189060382838092520	11	1	890603828136	11056253	1504047	1 7	124473
189060382838092520	11	1	890603828136	11056254	1504047	1 7	124474
189060382838092520	11	1	890603828136	11056255	1504047	1 7	124475
189060382838092520	11	1	890603828136	11056527	1504047	1 7	124476
189060382838092520	11	1	890603828136	11056528	1504047	1 7	124477
189060382838092520	11		890603828136	11056529	1504047	1 "	124478
189060382838092520	11	1	890603828136	11056530	1504047	1 *	124479
189060382838092520	11	1	890603828136	11056531	1504047	1 *	124480
189060382838092544	11	1	890603828136	11057288	1504047	1	124489
189060382838092544	11	1	890603828136	11057289	1504047	1	124490
189060382838092544	11		890603828136	11057290	1504047	1 7	124491
189060382838092544	11		890603828136	11057291	1504047	1	124492
189060382838092544	11	1	890603828136	11057292	1504047	1	124493
189060382838092544	11	1	890603828136	11057293	1504047	1	124494
189060382838092544	11	1	890603828136	11057294	1504047	1	124495
189060382838092544	11	1	890603828136	11057295	1504047	1	124496
189060382838092544	11	1	890603828136	11057296	1504047	1	124497
189060382838092544	11	1	890603828136	11057297	1504047	1 *	124498
189060382838092544	11	1	890603828136	11057298	1504047	1 *	124499



## **GS1 XML tool- Exempted Cases**







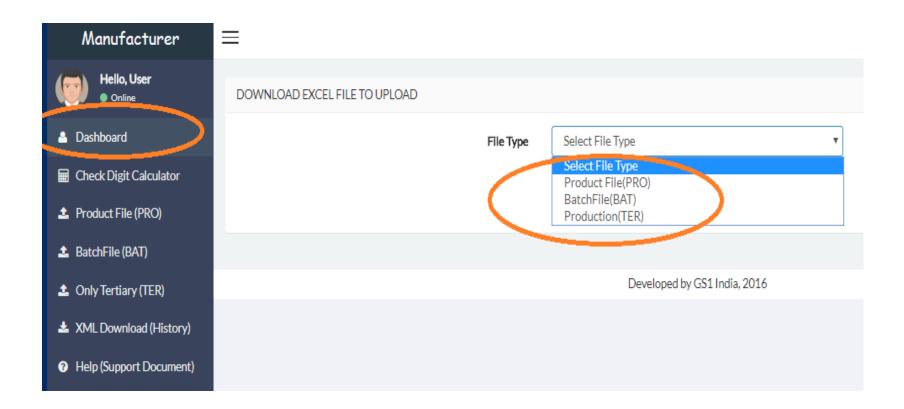
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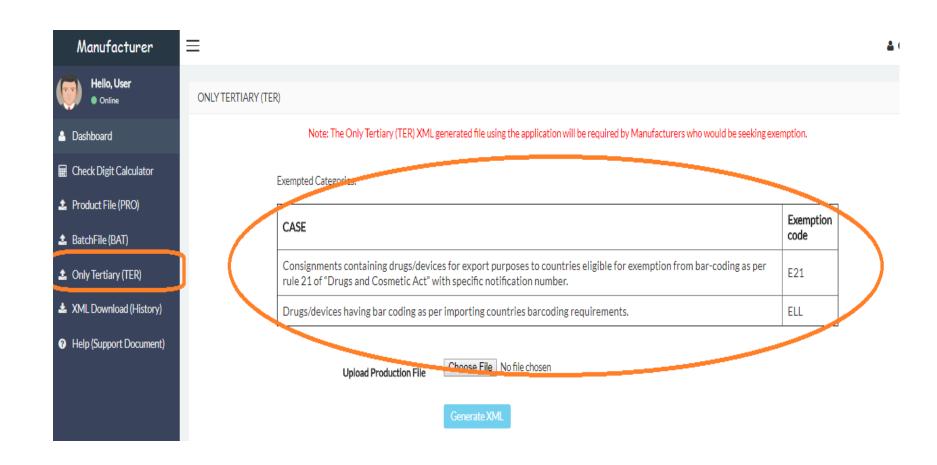
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#### **DAVA Signer Utility**





#### **Digital Signer?**

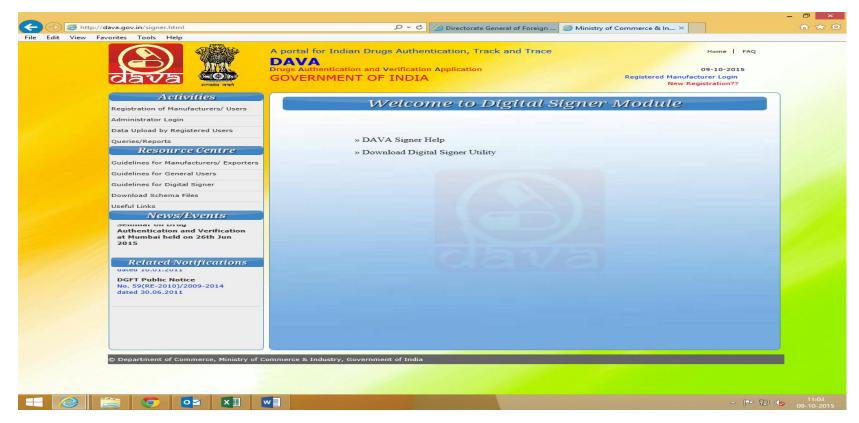


- Dava signer is the utility that is used for digitally signing each files that will be uploaded on DAVA portal
- Files that are not digitally signed will not be accepted by DAVA Portal





- Click on Guidelines for Digital signer
- Refer "Dava Signer help" file for installing the signer







#### Download Digital signer utility

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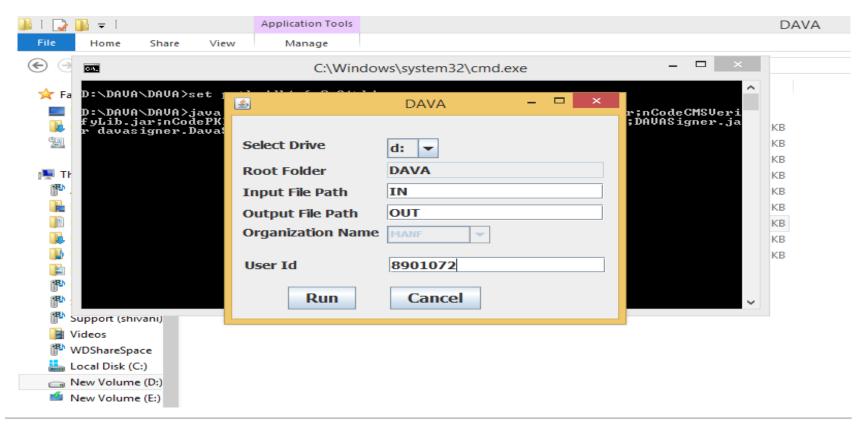
• Double Click on the "setupDavaSigner" to install

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📜 Desktop	🕌 nCodePKIUtil3	10-11-2014 11:55	Executable Jar File	211 KB
Documents	🚳 setupDavaSigner	10-11-2014 12:21	Windows Batch File	1 KB
🗼 Downloads	TSPSchen Type: Windows Batch File	10-11-2014 16:47	XSD File	4 KB
🔰 Music	🖆 XmlSigne Size: 194 bytes	23-06-2015 13:32	Executable Jar File	202 KB
📄 Pictures	Date modified: 10-11-2014 12	:21		
🏴 PVConnect (stora				
🏴 SCSS DLNA Serve				
🌁 Support (shivani)				





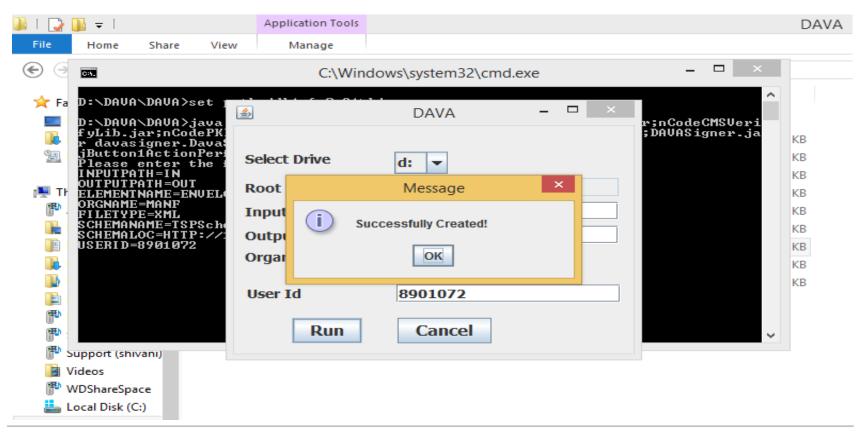
Enter your company User ID/GCP no. and click "Run"







After completion the screen will appear as below







Two folders "IN" & "Out" will be created as shown below

]]   🔁 🚺 = I			DAV	A
File Home Share	View			
🛞 🏵 🝷 🕆 🌗 Th	is PC → New Volume (D:) → DAV	/A →		
☆ Favorites	Name	Date modified	Туре	Size
E Desktop	퉬 DAVA	23-06-2015 13:41	File folder	
🗼 Downloads	\mu IN	09-10-2015 11:15	File folder	
🗓 Recent places	🐌 OUT	09-10 <mark>-</mark> 2015 11:15	File folder	
	DAVA.cfg	09-10-2015 11:15	CFG File	1 KB
🌉 This PC				
P Administrator (sł				
📜 Desktop				
Documents				
🗼 Downloads				





• All updated XML files need to be copied to "IN" folder

],   [ <u>2</u> ]], <del>-</del>				IN
File Home Share	View			
🛞 🏵 🔻 🕆 퉬 🕨 Th	is PC → New Volume (E:) → DAVA → IN			
쑦 Favorites	Name	Date modified	Туре	Size
📃 Desktop	🔮 8901072000TSP29072015001	30-07-2015 12:51	XML Document	395 KB
🐌 Downloads	🔮 8901072000BAT29072015001	29-07-2015 18:46	XML Document	1 KB
🕮 Recent places	8901072000PRO29072015001	29-07-2015 12:28	XML Document	7 KB
🖳 This PC				
Ҏ Administrator (shiva				
膧 Desktop				
📗 Documents				
🐌 Downloads				





Click "DAVA Signer" option as shown below

]]   🔁 (]] = I	k I 💽 🕕 ≠ I DAVA							
File Home Share View								
🗲 🌛 👻 🕇 퉬 🕨 Thi	is PC → New Volume (D:) → DAVA	► DAVA ►						
☆ Favorites	Name	Date modified	Туре	Size				
Desktop	퉬 jdk1.6.0_31	23-06-2015 13:28	File folder					
🗼 Downloads	DAVASigner	10-11-2014 18:09	Windows Batch File	1 KB				
🔠 Recent places	🕌 DAVASigner	23-06-2015 13:32	Executable Jar File	17 KB				
	🕌 dgftlib	09-03-2012 13:26	Executable Jar File	333 KB				
🖳 This PC	🕌 nCodeCMSVerifyLib	10-11-2014 11:55	Executable Jar File	92 KB				
🏴 Administrator (sł	🕌 nCodePKICtrl3	10-11-2014 11:55	Executable Jar File	152 KB				
膧 Desktop	🕌 nCodePKIUtil3	10-11-2014 11:55	Executable Jar File	211 KB				
Documents	🚳 setupDavaSigner	10-11-2014 12:21	Windows Batch File	1 KB				
📜 Downloads	TSPSchema.xsd	10-11-2014 16:47	XSD File	4 KB				
🚺 Music	🕌 XmlSignerVerfier	23-06-2015 13:32	Executable Jar File	202 KB				
📄 Pictures								
🏴 PVConnect (stora								
🏴 SCSS DLNA Serve								
P Support (shivani)								
📔 Videos								





• The following screen appears

<b>\$</b>	DAVA XML Signe	r ×
DAVA Sign	er and Verifier	Schema Validation
Organisation Name	MANF	No Validation Online
User Id :	8901072	
Input File Path	IN	
Output File Path	OUT	
Sign	verify	lose





Select respective XML files & click "Sign"

<u>گ</u>	DAVA XML Signer	×
DAVA Sign	er and Verifier	Schema Validation
Organisation Name	MANF 💌	No Validation     Online
User Id :	8901072	
Input File Path	IN	
8901072000BAT2907 8901072000PRO2907 8901072000TSP2907	2015001.xml	
Output File Path	OUT	
Sign	verify	ose





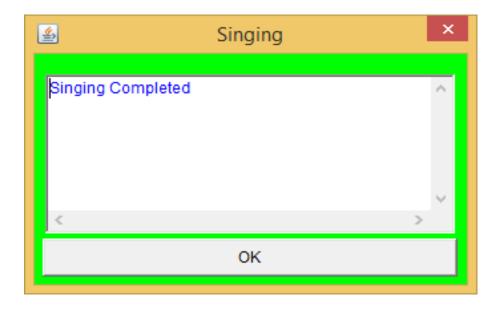
• Select the Digital Signature certificate

4				×
		Select C	ertificate	
	Certificate Name BIJOY ALAPPAT P	Serial No 1a 0c 7c	Issuer Name CN=e-Mudhra Su	Validity Date Thu May 11 11:39
2				
A.			,	
	ОК	Cancel		





Below screen will appear







• Digitally signed XML files will be stored in "OUT" folder

]]   ]] ≠   DAVA			AVA	
File Home Share	View			
🔄 🏵 🝷 🕆 🌗 > Thi	s PC → New Volume (E:) → DAVA	Þ		
🔆 Favorites	Name	Date modified	Туре	Size
🔜 Desktop	in 🛛	09-10-2015 11:29	File folder	
鷆 Downloads	퉬 jdk1.6.0_31	29-07-2015 13:16	File folder	
🖳 Recent places	\mu оит	09-10-2015 11:27	File folder	
	DAVA.cfg	29-07-2015 13:17	CFG File	1 KB
🌉 This PC	DAVASigner	10-11-2014 18:09	Windows Batch File	1 KB
P Administrator (shiva	🕌 DAVASigner	23-06-2015 13:32	Executable Jar File	17 KB
膧 Desktop	当 dgftlib	09-03-2012 13:26	Executable Jar File	333 KB
Documents	🕌 nCodeCMSVerifyLib	10-11-2014 11:55	Executable Jar File	92 KB
🗼 Downloads	🕌 nCodePKICtrl3	10-11-2014 11:55	Executable Jar File	152 KB
🔰 Music	🕌 nCodePKIUtil3	10-11-2014 11:55	Executable Jar File	211 KB
📔 Pictures	🚳 setupDavaSigner	10-11-2014 12:21	Windows Batch File	1 KB
👎 PVConnect (storage	TSPSchema.xsd	10-11-2014 16:47	XSD File	4 KB
P SCSS DLNA Server: S	🕌 XmlSignerVerfier	27-07-2015 12:56	Executable Jar File	202 KB
🏴 Support (shivani)				
📔 Videos				





• Digitally signed XML files

])   🔁 [] =		09102015						
File Home Shar	e View							
€ ∋ - ↑ 퉬 + 1								
쑦 Favorites	Name	Date modified	Туре	Size				
📃 Desktop	@ 8901072000BAT29072015001	09-10-2015 11:41	XML Document	2 KB				
〕 Downloads	Page 201072000PRO29072015001	09-10-2015 11:41	XML Document	8 KB				
🗐 Recent places	8901072000TSP29072015001	09-10-2015 11:41	XML Document	395 KB				
🌉 This PC								
膭 Desktop								
Documents								
〕 Downloads								
<b>m</b>								



## Sample File – Before Digitally Signed



<?xml version="1.0" encoding="UTF-8" ?> <ProductionInfo> <FILENAME>8901315000TSP07082015003</FILENAME> <ENVELOPE> <Tertiary> <SSCC>089013150401842675</SSCC> <SubItemCnt>1</SubItemCnt> <Product> <ProductCode>890131501010</ProductCode> <Secondary> <SecSrNo>23cxgkhua3d</SecSrNo> <BatchNo>ZDM15007</BatchNo> <NoOfPrimaries>10</NoOfPrimaries> <PriSrNo>000000001</PriSrNo> <PriSrNo>00000002</PriSrNo> <PriSrNo>00000003</PriSrNo> <PriSrNo>000000004</PriSrNo> <PriSrNo>000000005</PriSrNo> <PriSrNo>00000006</PriSrNo> <PriSrNo>000000007</PriSrNo> <PriSrNo>000000008</PriSrNo> <PriSrNo>000000009</PriSrNo> <PriSrNo>000000010</PriSrNo> </Secondary> </Product> </Tertiarv> </ENVELOPE> </ProductionInfo>



## Sample File - After Digitally Signed



k?xml version="1.0" encoding="UTF-8" ?> <ProductionInfo> <FILENAME>8901315000T5P07082015003</FILENAME> <ENVELOPE> <Tertiarv> <\$5CC>089013150401842675</\$5CC> <SubItemCnt>1</SubItemCnt> <Product> <ProductCode>890131501010</ProductCode> <Secondary> <SecSrNo>23cxgkhua3d</SecSrNo> <BatchNo>ZDM15007</BatchNo> <NoOfPrimaries>10</NoOfPrimaries> <PriSrNo>000000001</PriSrNo> <PriSrNo>000000002</PriSrNo> <PriSrNo>00000003</PriSrNo> <PriSrNo>000000004</PriSrNo> <PriSrNo>000000005</PriSrNo> <PriSrNo>000000006</PriSrNo> <PriSrNo>000000007</PriSrNo> <PriSrNo>000000008</PriSrNo> <PriSrNo>000000009</PriSrNo> <PriSrNo>000000010</PriSrNo> </secondary> </Product> </Tertiarv>

</ENVELOPE><DIGSIGN><USERID>8901315</USERID><CERTNO>1a OC 7c</CERTNO><SIGNHASH>azoizbPzERE7LqZCKVRnWTlQBE7073dlicpiLGQILuwZUQ65eY7LpV3zYmFmKRt8uAR4N3x1Ilrgwf4+EGA +9ysTlrDQmTA8RLCU72fU01nap6z4+9GJA1dH/DqGFi50/8NxxcWx8m02wYsHN1E4WJ23momwIrTjc7+SyVa5GQivI+ipLCxZzSA4fBy2vDBlW/IjvqJpH2yrU22mB0E5glnofKmp4YZPFLO +KbtL393iMunWBQFApv1LuHTsIG6w06mgmo/c3B6vgR15i0pexeo0gwmQkLjvAfKKrv9prnv1mEh4T81x1Vi37SXCQ1J04mpMuz6WawlbhXGsYbRsbQ==</SIGNHASH></DIGSIGN></ProductionInfo>



#### **Support Provided by GS1 India**





#### Support Provided



- Implementation Guide
- GS1 XML tool (Product, Batch & Only Tertiary)
- Technical Implementation Workshop
- Barcode Verification Service



#### **Refer Implementation Guideline**



IMPLEMENTATION GUIDELINES USING GLOBAL SUPPLY CHAIN STANDARDS FOR BARCODING TO MEET DGFT REQUIREMENTS FOR AUTHENTICATION, TRACK AND TRACE REQUIREMENTS

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IMPLEMENTATION GUIDELINES USING GLOBAL SUPPLY CHAIN STANDARDS FOR BARCODING TO MEET DGFT REQUIREMENTS FOR AUTHENTICATION, TRACK AND TRACE REQUIREMENTS

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Implementation Guidelines for Coding & Labelling Pharmaceuticals and Drugs Using Global Supply Chain Standards to Meet Directorate General of Foreign Trade's (DGFT) Authentication, Track and Trace Requirements

For Manufacturers, Brand Owners, Responsible Entities, Exporters and Merchant Exporters

Version 1.3 – August 2015



#### **Barcode Verification Service**

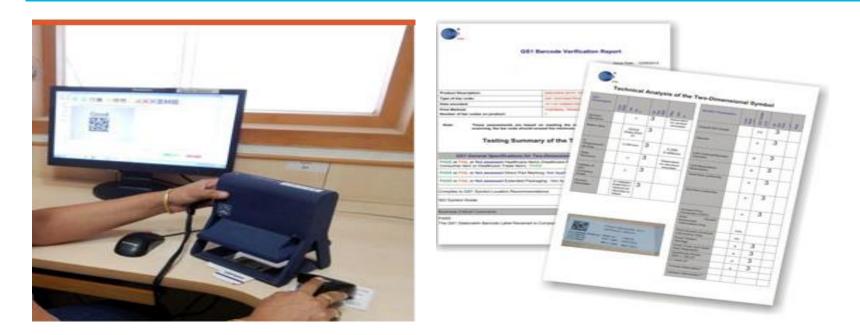


- Barcode Verification Service helps companies comply with the specifications
- The verification ensures:
  - Information encoded in the barcode meets the requirements
  - Barcodes scan efficiently by any type of barcode scanner in a variety of scanning environments
  - Checks for correctness of the product codes generated and additional information such as Batch Number, Expiry Date, and Serial Number etc. are encoded properly



#### **Barcode Verification Service**





## Companies should mandatorily send packaging samples for both tertiary and secondary levels to GS1 India.



# Questions?







#### **Implementation Team**

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#### THANK YOU!

