

DAVA

(Drugs Authentication and Verification Application)

Guidelines for Labelling, Data preparation and Upload

(Version-1.2.1)

Dated : 24-05-2016

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Government of India

Amendment log

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1.2.1	24.05.2016	-	First Release	-

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1. DATA PREPARATION

1.1 TERTIARY PACKAGE

1.1.1 Definition

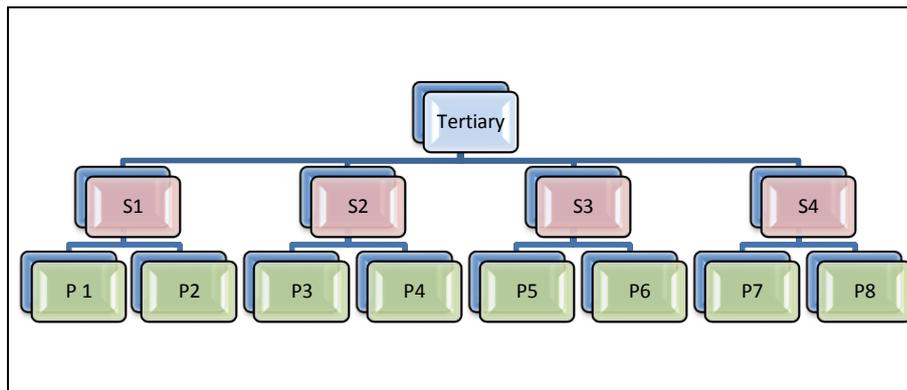
The **Tertiary package** is the outer most highest level single packaging containing one or more secondary and/or other intermediate packages meant for transport/logistics(cartons/pallets/shipments etc.).

1.1.2 Types of Tertiary Packs

There are two following two major types of Tertiary Packages:

1.1.2.1 Homogeneous

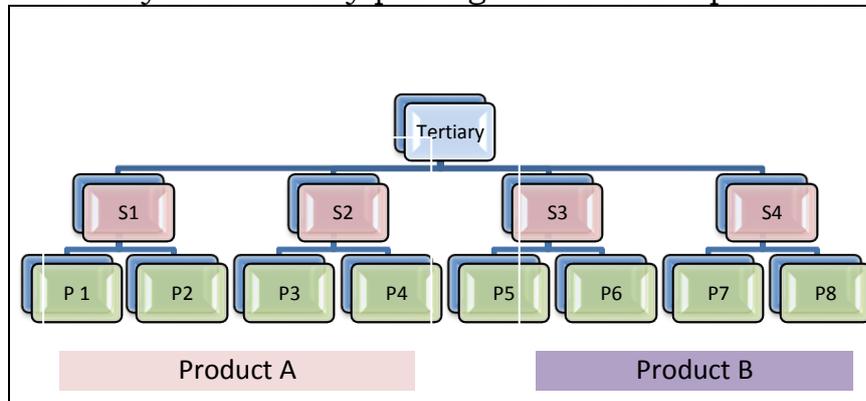
This type of Tertiary package would contain one or more Secondary packages of same products.



(Dig. 2.1 Homogeneous Tertiary Package)

1.1.2.2 Heterogeneous

This type of Tertiary package would contain one or more Secondary and Primary packages of different products.



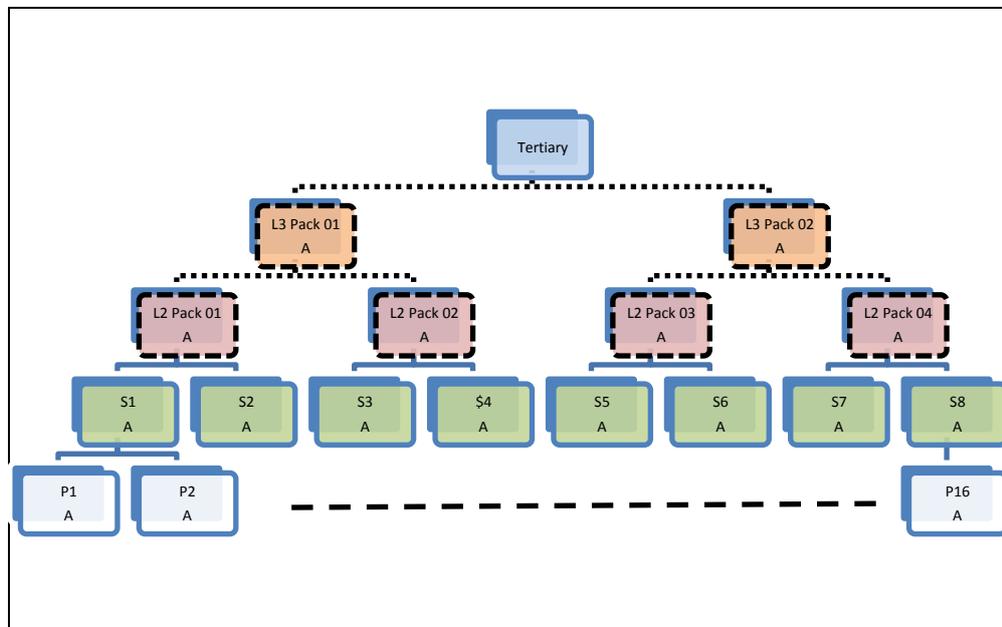
(Dig. 2.2 Heterogeneous Tertiary package)

Tertiary packages may in addition to secondary and primary packages contain two more level of intermediate packagings as per manufacturer/ exporters requirement as follows:

Intermediate Packaging level :

In the two types of Tertiary packages (i.e. Homogeneous and Heterogeneous), there may be the possibility of having two more levels of secondary packages as per the convenience of the manufacturer/ exporter considered as Intermediate Packaging level. Maximum number of intermediate layers allowed in the systems is two (2).

Following diagrammatic view shows a scenario for Homogeneous Tertiary packages containing one or more intermediate layers of one product e.g. Product A.



(Fig 2.3 Tertiary with Intermediate Levels pack)

1.1.3 Packaging Identifier

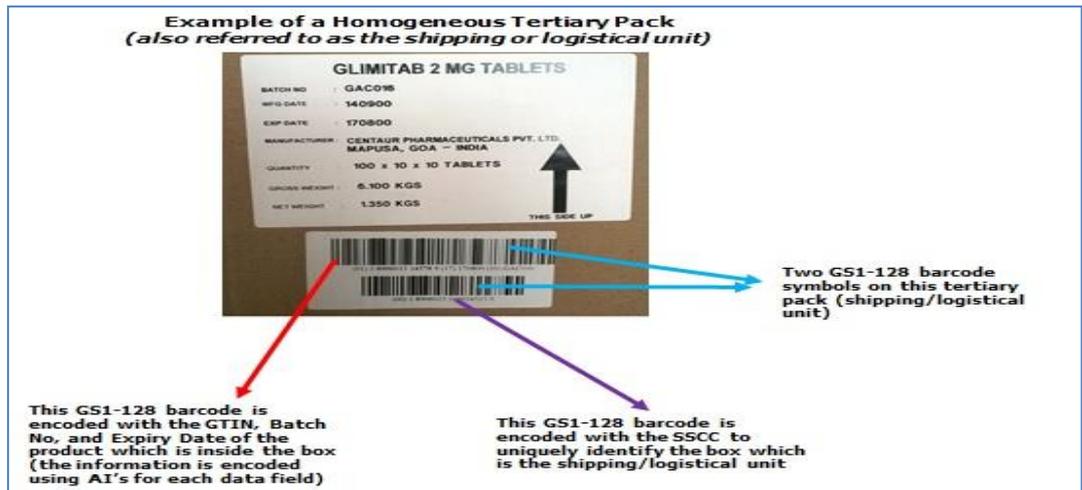
First Digit in GTIN-14 will always indicate packaging level as follows:

Packaging level	First character in GTIN-14
Primary	0
Secondary	1
Intermediate Secondary level 2	2
Intermediate Secondary level 3	3
Tertiary	5

Batch/Lot Number: Denotes the Batch/Lot number of the product. The batch number can be alphanumeric and is variable length with a maximum of 20 characters. (Pl. refer Batch data preparation for details)
The requirements for the Tertiary Level packaging are as follows:

a) Homogeneous Tertiary Pack

Homogenous Tertiary Pack containing only one type of product, will have two barcode images printed on the label.



First barcode should be encoded with the GTIN identifying the product, expiry date, and batch number contained inside the Tertiary Pack. The barcode will encode the following information using the respective application identifiers:

(01)	This indicates that the data following AI (01) is the GTIN. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
58901072002534	Denotes the GTIN for the Tertiary Pack
(17)	This indicates that the data following AI (17) is the expiry date. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
180815	The expiry date in YYMMDD format

(10)	This indicates that the data following AI (10) is the Batch/Lot number of the secondary package. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
RNBXY0514	Denotes the Batch/Lot number of the product. The batch number can be unique alphanumeric and is variable length with maximum of 20 characters long.

- **Second barcode** should have the SSCC encoded in it. The barcode will encode the following information using the respective application identifier:

(00)	Is the application identifier to indicate that data following it is the SSCC of the Shipper/ Carton/ Pallet/ Tertiary level packaging
189010720012345 676	Denotes the 18-digit unique identification number (SSCC) for the Tertiary level package.

b) Heterogeneous Tertiary Pack

Heterogeneous Tertiary Pack containing more than one type of products will have only one barcode encoded with the SSCC to uniquely identify the logistical unit.

To, ABC Biosciences Company 6480 Dobbin Road Columbia, MD 21045	Manuf By: AAA Pharma Company Plot No 125, Special Pharma Zone Village Matoda District: Ahmedabad-382213 Gujrat, India
Drug Name: DOBUCIN 5X5 ML INJ Expiry Date: Aug 15, 2018 Batch No: RNBXY0514 Drug Name: Mirtazapine 15 MG Expiry Date: July 31, 2025 Batch No: MP1512017-A	
 <p>(00) 1 8901072 001234567 6</p>	

Only one barcode will encode the following information:

AI (00)	This indicates that the data following AI (00) is the numeric serial number of the Shipper/ Carton/ Pallet /Tertiary level packaging
189010720012345676	Denotes the 18-digit unique identification number (SSCC) for the Tertiary level package.

1.1.5 Data Elements at Tertiary packages

Sl. No.	Data Element	XML Tag
1.	Serial Shipping Container Code (SSCC)	<SSCC>
2.	No. of Secondary packs	<SubItemCnt>
3.	Product Code	<ProductCode>

Sample XML Only upto Tertiary Level Package(Homogeneous)

```

<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>04</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<Secondary>
-
-
-
-
</Secondary>
<Secondary>
-
-
-
-
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>
    
```

Sample XML Only upto Tertiary Level Package(Heterogeneous)

Here the product wise pack details are mentioned.

```
<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>08</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<Secondary>
-
-
-
-
-
-
-
</Secondary>
<Secondary>
-
-
-
-
-
</Secondary>
</Product>
<Product>
<ProductCode>890409118544</ProductCode>
<Secondary>
-
-
-
-
-
</Secondary>
<Secondary>
-
-
-
-
-
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>
```

1.2 **SECONDARY PACKAGE**

1.2.1 **Definition**

The **Secondary package** is the package that contains one or more primary packages.

1.2.2 **Types of Secondary Packs**

There are two following two major types of Secondary Packages:

- a) A package containing more than one primary packages
- b) A mono-carton containing one primary package

1.2.3 **Packaging Identifier**

Packaging level	First character in GTIN-14
Primary	0
Secondary	1
Intermediate Secondary level 2	2
Intermediate Secondary level 3	3
Tertiary	5

1.2.4 **Labelling Requirements**

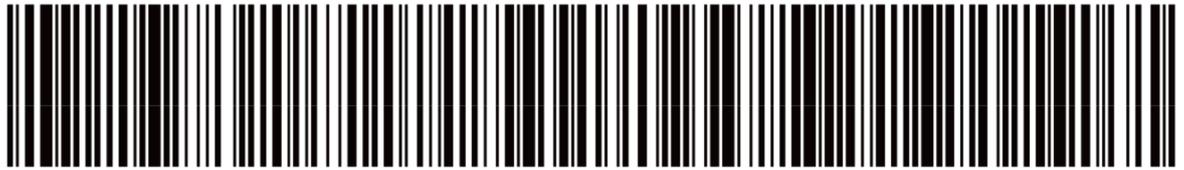
The requirements outlined for secondary level packaging are:

- Incorporation of either the GS1-128 (which is a 1D/linear barcode) or the GS1 DataMatrix which is the 2D/matrix barcode on all secondary level packages
- These barcodes need to be encoded with a unique product identification code (i.e. the GTIN), Expiry Date, Batch Number and Serial Number



GTIN: 18901072002536
 EXP: Aug 15, 2018
 Batch No: RNBXY0514
 S.No: 15892152002

FIG 1: Illustration of a GS1 DataMatrix barcode for a Secondary Pack, with AI (01) for GTIN, AI (17) for Expiration Date, AI (10) for Batch number and AI (21) for Serial Number



(01) 1 8901072 00253 6 (17) 180815 (10) RNBXY0514 (21) 15892152002

FIG 2: Illustration of a GS1-128 barcode for a secondary pack, with AI (01) for GTIN, AI (17) for Expiration Date, AI (10) for Batch number and AI (21) for Serial Number

(01)	This indicates that the data following AI (01) is the GTIN. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
18901072002536	Denotes the GTIN of the Secondary Pack
(17)	This indicates that the data following AI (17) is the expiry date. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
180815	The expiry date in YYMMDD format
(10)	This indicates that the data following AI (10) is the Batch/Lot number of the secondary package. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
RNBXY0514	Denotes the Batch/Lot number of the product. The batch number can be unique alphanumeric and is variable length with maximum of 20 characters long.
(21)	This indicates that the data following the AI (21) is the Serial number of the secondary package. The brackets are not encoded in the barcode and only mentioned as part of the human readable format.
15892152002	This number denotes the serial number of the secondary pack. The serial number can be alphanumeric and is variable length with a maximum of 20 characters. The serial number should not be repeated and remain unique for all secondary packs.

1.2.5 Data Elements and sample xml only for secondary package

Sl. No.	Data Element	XML Tag
1.	Secondary pack serial number	<SecSrNo>
2.	Batch Number	<BatchNo>
3.	No of Primaries in this secondary pack	<NoOfPrimaries>

Sample XML only for secondary package

```

.
.
.
.<Secondary>
<SecSrNo>92L6LY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>4</NoOfPrimaries>
<PriSrNo>.....</PriSrNo>
.
.
.
.</Secondary>
.

```

1.3 PRIMARY PACKAGE

1.3.1 Definition

The **Primary package** is the package that is in direct contact with the drugs.

1.3.2 Types of Primary Packs

The **Primary package** is the **package that** is in direct contact with the drugs.

1.3.3 Packaging Identifier

Packaging level	First character in GTIN-14
<u>Primary</u>	<u>0</u>
Secondary	1
Intermediate Secondary level 2	2
Intermediate Secondary level 3	3
Tertiary	5

1.3.4 Labelling Requirements

Primary level packages when identified, should be marked with:

GS1 DataMatrix (a 2D barcode), along with the following encoded information:

- Unique product identification code (GTIN)
- Expiry date
- Batch number
- Unique serial number

When printing the human readable format along with the barcode, the recommended format is:

GTIN (01): 0891072002539

Exp (17): Aug 15, 2018

Batch No: RNBXY0514

S. No (21): 1256897542

Printing the barcode and the information in human readable format at the primary level is optional at this time.

1.3.5 Data Elements and sample xml only for primary package

Sl. No.	Data Element	XML Tag
1.	Primary pack serial number	<PriSrNo>

Sample XML only for primary package

.
.
.
<PriSrNo>9ZKADA.</PriSrNo>

1.4 INTERMEDIATE PACKAGE

1.4.1 Definition

This is optional additional level of packaging between tertiary and secondary packaging.

1.4.2 Types of Intermediate Packs

Two types (levels) of Intermediate packs are supported in DAVA application.

- **Intermediate Level 2 (L2):** In this case, multiple **Secondary packs are clubbed together to form an Intermediate Level 2 pack.** A tertiary pack will contain multiple Intermediate **Level 2 packs.**
- **Intermediate Level 3 (L3):** It adds one more level of packaging. Intermediate Level 2 packs are clubbed together to form Intermediate Level 3 pack. A tertiary pack will contain multiple Intermediate **Level 3 packs.**

1.4.3 Packaging Identifier

Packaging level	First character in GTIN-14
Primary	0
Secondary	1
Intermediate Secondary level 2	2
Intermediate Secondary level 3	3
Tertiary	5

1.4.4 Labelling Requirements

The requirements outlined for intermediate level packaging are:

- Incorporation of either the GS1-128 (which is a 1D/linear barcode) or the GS1 DataMatrix which is the 2D/matrix barcode on all secondary level packages
- These barcodes need to be encoded with a unique product identification code (i.e. the GTIN), Expiry Date, Batch Number and Serial Number.

If there is more than one level of secondary packaging for a drug or pharmaceutical product, such as an inner pack (bundles) and intermediate packs (inner case), these intermediate packaging levels maybe identified using indicator digits 2 and 3. (Coding and marking secondary level inner packs is optional).

1.4.5 Data Elements and sample xml only for Intermediate packs

1.4.5.1 For intermediate level 3 packaging

Sl. No.	Data Element	XML Tag
1.	Intermediate Level 3 Serial No	<Level3SrNo>
2.	Intermediate Level 2 count within level 3	<L2Cnt>

1.4.5.2 For intermediate level 2 packaging

Sl. No.	Data Element	XML Tag
1.	Intermediate Level 2 Serial No	<Level2SrNo>
2.	Secondary packs within level 2	<SecondaryCnt>

a)Sample XML only for intermediate level packages

```

.
.
<IntermediateLevel3>
<Level3SrNo>L3No1234</Level3SrNo>
<L2Cnt>2</L2Cnt>
<IntermediateLevel2>
<Level2SrNo>SL3No1234</Level2SrNo>
<SecondaryCnt>3</SecondaryCnt>
<Secondary>
.
.
</Secondary>
<Secondary>
.
.
</Secondary>
</IntermediateLevel2>
<IntermediateLevel2>
.
.
.
</IntermediateLevel2>
</IntermediateLevel3>

```

1.5 COMBINED SAMPLE XML FOR PRODUCTION(TSP)

1.5.1 Structure of Production (TSP) XML

```

<ProductionInfo>
<FILENAME></FILENAME>
<ENVELOPE>
<Tertiary>
.
.
</Tertiary>
<Tertiary>
.
.
</Tertiary>

<Tertiary>
.
.
</Tertiary>
.
.
.
</ENVELOPE>
</ProductionInfo>
    
```

Each Tertiary element will have

- Master data of Tertiary pack
- One or more sub elements of Type Secondary / L2/ L3

1.5.2 Homogenous Tertiary package

```

<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>04</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<Secondary>
<SecSrNo>92L6LY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKADA.</PriSrNo>
<PriSrNo>9ZKAEA.</PriSrNo>
</Secondary>
    
```

```

<Secondary>
<SecSrNo>92L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKAF.A.</PriSrNo>
<PriSrNo>9ZKAGA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>92L6NY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>1</NoOfPrimaries>
<PriSrNo>9ZKAMA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>A5L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>5</NoOfPrimaries>
<PriSrNo>9AKAF.A.</PriSrNo>
<PriSrNo>9BKAF.A.</PriSrNo>
<PriSrNo>9CKAF.A.</PriSrNo>
<PriSrNo>9DKAF.A.</PriSrNo>
<PriSrNo>9EKAF.A.</PriSrNo>
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>

```

1.5.3 **Heterogenous Tertiary package**

```

<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>04</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<Secondary>
<SecSrNo>92L6LY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKADA.</PriSrNo>
<PriSrNo>9ZKAEA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>92L6MY</SecSrNo>

```

```

<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKAFA.</PriSrNo>
<PriSrNo>9ZKAGA.</PriSrNo>
</Secondary>
<ProductCode>890409118544</ProductCode>
<Secondary>
<SecSrNo>92L6NY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>1</NoOfPrimaries>
<PriSrNo>9ZKAMA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>A5L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>5</NoOfPrimaries>
<PriSrNo>9AKAFA.</PriSrNo>
<PriSrNo>9BKAFA.</PriSrNo>
<PriSrNo>9CKAFA.</PriSrNo>
<PriSrNo>9DKAFA.</PriSrNo>
<PriSrNo>9EKAFA.</PriSrNo>
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>

```

1.5.4 Homogenous Tertiary package with L3 i.e. 2 intermediate levels pack

```

1.<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>02</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<IntermediateLevel3>
<Level3SrNo>L3No1234</Level3SrNo>
<L2Cnt>2</L2Cnt>
<IntermediateLevel2>
<Level2SrNo>SL3No1234</Level2SrNo>
<SecondaryCnt>3</SecondaryCnt>
<Secondary>
<SecSrNo>92L6LY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKADA.</PriSrNo>
<PriSrNo>9ZKAEA.</PriSrNo>
</Secondary>
<Secondary>

```

```

<SecSrNo>92L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKAFA.</PriSrNo>
<PriSrNo>9ZKAGA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>92L6NY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>1</NoOfPrimaries>
<PriSrNo>9ZKAMA.</PriSrNo>
</Secondary>
</IntermediateLevel2>
<IntermediateLevel2>
<Level2SrNo>SL3No1254</Level2SrNo>
<SecondaryCnt>2</SecondaryCnt>
<Secondary>
<SecSrNo>92L6KY</SecSrNo>
<BatchNo>B174X2</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZMADA.</PriSrNo>
<PriSrNo>9ZNAEA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>95L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>1</NoOfPrimaries>
<PriSrNo>93KAFA.</PriSrNo>
</Secondary>
</IntermediateLevel2>
</IntermediateLevel3>
<Secondary>
<SecSrNo>A5L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>5</NoOfPrimaries>
<PriSrNo>9AKAFA.</PriSrNo>
<PriSrNo>9BKAFA.</PriSrNo>
<PriSrNo>9CKAFA.</PriSrNo>
<PriSrNo>9DKAFA.</PriSrNo>
<PriSrNo>9EKAFA.</PriSrNo>
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>

```

1.5.5 Homogenous Tertiary package with L2 i.e. 12 intermediate level pack

```

1.<?xml version="1.0" encoding="UTF-8"?>
<ProductionInfo>
<FILENAME>8904091100TSP09032015020</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089040911000010888</SSCC>
<SubItemCnt>02</SubItemCnt>
<Product>
<ProductCode>890409118543</ProductCode>
<IntermediateLevel2>
<Level2SrNo>SL3No1234</Level2SrNo>
<SecondaryCnt>3</SecondaryCnt>
<Secondary>
<SecSrNo>92L6LY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKADA.</PriSrNo>
<PriSrNo>9ZKAEA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>92L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>2</NoOfPrimaries>
<PriSrNo>9ZKAFA.</PriSrNo>
<PriSrNo>9ZKAGA.</PriSrNo>
</Secondary>
<Secondary>
<SecSrNo>92L6NY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>1</NoOfPrimaries>
<PriSrNo>9ZKAMA.</PriSrNo>
</Secondary>
</IntermediateLevel2>
<Secondary>
<SecSrNo>A5L6MY</SecSrNo>
<BatchNo>B17432</BatchNo>
<NoOfPrimaries>5</NoOfPrimaries>
<PriSrNo>9AKAFA.</PriSrNo>
<PriSrNo>9BKAFa.</PriSrNo>
<PriSrNo>9CKAFA.</PriSrNo>
<PriSrNo>9DKAFA.</PriSrNo>
<PriSrNo>9EKAFA.</PriSrNo>
</Secondary>
</Product>
</Tertiary>
</ENVELOPE>
</ProductionInfo>

```

1.6 **EXEMPTED FROM BARCODING**

Packages exempted from requirement of bar-coding on Primary and secondary pack and upload of Primary and secondary pack(s) information on central DAVA portal:

Exempted Categories:

CASE	Exemption code
Consignments containing drugs/devices for export purposes to countries eligible for exemption from bar-coding as per rule 21 of “Drugs and Cosmetic Act” with specific notification number.	<ul style="list-style-type: none"> • E21
Drugs/devices having bar coding as per importing countries bar-coding requirements.	<ul style="list-style-type: none"> • ELL

1.6.1 **Bar-Coding and data upload as per Govt. of India requirement:**

- In all the above cases, an exporter is required to put bar-code on Tertiary pack as per Indian standard and upload data on the central DAVA portal using option Upload Type: ‘TER’ (Tertiary Pack only)
- Bar-coding on tertiary level packaging will be in addition to bar-coding requirement as per importing country, if any.
- Following information need to be provided:
 - I. SSCC
 - II. Total number of packets in the Tertiary pack.
- No automatic validation will be applied by the system. It will be the responsibility of exporter to satisfy regulating authorities at the time of export.

1.6.2 Sample xml file containing 5 Tertiary packs exempted under exemption code EME

```
<ProductionInfo>
<FILENAME>8906038280TER17062015001</FILENAME>
<ExemptionCode>EME</ExemptionCode>
<ENVELOPE>
<Tertiary>
<SSCC>189060382838092179</SSCC>
<SubItemCnt>10</SubItemCnt>
</Tertiary>
<Tertiary>
<SSCC>189060382838092513</SSCC>
<SubItemCnt>15</SubItemCnt>
</Tertiary>
<Tertiary>
<SSCC>189060382838092520</SSCC>
<SubItemCnt>25</SubItemCnt>
</Tertiary>
<Tertiary>
<SSCC>189060382838092544</SSCC>
<SubItemCnt>40</SubItemCnt>
</Tertiary>
<Tertiary>
<SSCC>189060382838092445</SSCC>
<SubItemCnt>100</SubItemCnt>
</Tertiary>
</ENVELOPE>
</ProductionInfo>
```

2.DATA UPLOAD

2.1 Data Upload Process:

Following processes/Steps are involved in Data upload on DAVA Portal

- Step I : Registration (one time)
 Step II : Uploading of Product details
 Step III : Uploading of Batch details
 Step IV : Uploading of Production details

(Steps III to IV are repetitive)

2.1.1 Registration: User needs to register with DAVA Portal. Company prefix assigned by GS-1 India will be user ID for the company. User needs a valid Digital Signature for registering with DAVA portal.

Visit DAVA portal and follow link Registration of manufacturers/Users.

2.1.2 Signer Setup: All data upload is through signed XML file. Set up signer as per guidelines provided on DAVA portal (Guidelines for Signer setup)

2.1.3 Preparing XML file(s)

a)XML file level parameter:

Each XML file will have a filename element to provide name of XML file being uploaded. (Refer file name format for more details.)

Parameter to be exchanged	XML Element Name	Type, Length	Mandato ry	Validations
Name of XML file	FILENAME	CHAR(24)	Yes	<ul style="list-style-type: none"> ✓ Exact 24 characters in length. ✓ Format: Ref. File Name format ✓ Upload Type e.g. PRO/DPM/BAT/TSP/MOV ✓ Must match with uploading file name

b) File name format:

File Name will have

- Manufacturer Code (10 characters): suffix Zero(s) to make Manufacturer code 10 characters code.
- Type of Upload (3 Characters)
- File Creation Date (8 characters in DDMMYYYY)
- Running Sequence number (3 characters)

c) **File type:** XML file

d) **File Size:** Maximum 10 Mb.

- For reasonable response time, it is recommended to restrict file size upto 4 Mb while uploading through interactive mode.
- For large data upload, use Compressed file upload.

2.2 Types of Upload

Type of Upload	Code
Product Details	PRO
Distribution Point Details	DPM
Batch Details	BAT
Production Details (Tertiary, Secondary ,Primary Production and packaging details data)	TSP
Only Tertiary Pack details	TER
Tertiary Pack Withdrawal	WIT
Compressed File Upload	ZIP
Movement Details	MOV

e.g. The file name for XML file for uploading production details will be as below

Manufacturer code										Type of upload			File Creation date DDMMYYYY				Runnin g seq. no						
0	8	9	0	0	1	1	7	0	0	T	S	P	2	7	0	8	2	0	1	4	0	0	1

2.2.1 Product details

- **What:** The Product detail process involves uploading of information about products being manufactured by a Drug Manufacturer on DAVA server.
- **When:** Manufacturer is supposed to upload the product details after successful registration.
- **Frequency:** One time at start upload all products details. Upload details of new product as and when it is introduced.
- All existing products can be included in single Product XML file.

2.2.1.1 Information to be uploaded:

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
Manufacturer code	MANUFACTURER_CODE	Char(10)	Yes	✓ 7 to 10 characters numeric (company prefix As assigned by GS-1)
For each product:				
Product Type	PRODUCT_TYPE	Char(1)	No	✓ Character 01, ✓ Allowed value O:Own L:loan licence ✓ Default O
Product code	PRODUCT_CODE	Char(12)	Yes	✓ Exact 12 characters numeric (As per GS-1 standard) (Manufacturer code + product number)
Product Brand Name	PRODUCT_NAME	Char(50)	Yes	✓ Max 50 characters. ✓ Minimum 3 characters ✓ Allowed Characters: a-zA-Z0-9/&;-_%()*!*+,:;=<>
Generic Salt (Name)	GENERIC_NAME	Char(200)	Yes	✓ Max 200 characters. ✓ Minimum 3 characters ✓ Allowed Characters: a-zA-Z0-9/&;-_%()*!*+,:;=<>
Composition	COMPOSITION	Char(500)	Yes	✓ Max 500 characters. ✓ Minimum 3 characters ✓ Allowed Characters: a-zA-Z0-9/&;-_%()*!*+,:;=<>
Is it a Scheduling	SCHEDULED	Char(1)	Yes	✓ Character 01, ✓ Allowed value Y:Schedule Drug

GfPrOw1qW7e+0vSw08XzPNbSubod+ZiSHb/ZbIJyMkHNZOqXsniLx7NeZ3pNdSSRg
c5iixHHj8djfUmvoHR9Nj0nSoLSNQCijeR/E3c/nQB5Z4O8VXOpfECW/u5oGlvLCC2
jSMkKQsg+bBxgne5xzjIGTXsNeGjTv7I+O0lrGmIGkW5jHoskkRP4by4/CvcqAOV8Ze
MU8NJDbW0aT6lcDMcbZwi5xuIUEJ4CjknPoSK3g/wAbPrk4sdRW2ju5IzNbyW5Pl
3CD7wAOSGXlyMng57EDk/Nk1j4jatcq5EgcWdsevlgu0JYfTyLj/v61UvENgvh3VryT
T8xJpеп2s8AznAmVUYf99u7GgD2yo5/+PeX/AHD/ACpLadbm1huE+5KgdfoRmln/
AOPeX/cP8qAPA/h7D5XizQTj7+nwN/OvRfil+90nSLQcmfUlyPZYpGz+YA/GuD0pJd
EHhrXll07YNNgQw3d39nLEKDlSVIPX2ra8UatfXVomt3y2yMqG3sYraQywwtJjMjyE
LnJUc4AGNoyW5ALfwUr/apH3GmkI9/3rgH8hXG6TDs8a6TJj79xdf8ApQleofDXRv
7L8PlyCBLtVC3VIUYyfqSa89SC4ttS0LUo7G6uYY57sSfZ4i5BM6kZx0ztPJ44oA6f4n
hJvEOjoxG23srqWT2DNcb/6C35UfDq6bR/hZeX78fZbQzt7FYQxrD8W3cuqXl800Z
ivNQRLcw5DG0tQDw5HG9tznAPVh1C5PV3Wntpvwf1WJ02Pc2cpZfTeu0fpigDz/wfp
fleM9LsmX/UWtvkfVnz/wCi6+gK8m0C28v4sFSPu2sZ/wDHZj/M16zQBx+r+E5Ljx
1F4mR1Kpp6WZiAO/cLlJQw7YwGH5V2FFFahgiwXGo6tZQWFlazXstoLoyNNMrsZJ
rfsfu5FHGH68/Ma1Z/Cvi6fT7ix/suzjuZl3mlDSSSHYwYYZ5W/u1zvw1uJrb4jRQ3
LHJDxru7bHdcfnJXuev6/aeHbS2uLtZGFxdw2kaxgEl5GCj8uT9BQBzmheKb0aNBf
H4fuZRblrYv9rt0y0bGnuGkB6qetbmla+usxajC9nLZ3Fo3lyRSSI+coHBBRiCMMK80
174b+K7fUbfSdXE0F1czzINytlB3LgHLc/eP5Vp+AfcWvaFql7d6uDI08bEy8AD5QA
Op9KAMXTtOtNR1rwhazhZI5dBtQ+CCR1yPauzufDeneF7y0FqpXStRINpd28hBjVm
U7HA6DJGw+u9c9K8r+Fcs8vi/TRPIzhbaJUz2XngV658ViV+HOoujFZEltmjYdQ32iP
GP5fjQBN4I1Jyuo6BPIJdInMEb7s74CA0WT3IRkBP9a851ayOow+G7CK6eF7htQG
6OQgo/noFY4PUbjppg7c3DeKNR8+RneXhi3UnYn9AK5vw7LO/xHt0kkZokubjy1PR
f36ZxQB3libS48Y6BqN3FGyavZ7J4SeIrlqggj1y23H/AEzrt/HQ/wCKC11/+eVjLL/3
wpb+leLePEu/DPxGmlkZbWO5TU4lzwqyZ8w/wDfXmmvdb6FPEXhW5t0bamoWTx
g56b0I/rQBxlqscXxk2xurBrGJsqc9px/SvR6+dfhhqVyfH1hJeSO7z2+0b+oxkY/DzD
XOVQAUVnT63Y2+v2miSSN9uuoZJ40CkjYhUHJ7fe4+hrRoA8HvtHu9L8XX91ZR7rv
TtVe4SPON8ch80KO33ZBj3X610HiXXovFXiPwzHFDcwady3n9oTNcxGNmeJS4wp5
wMfc9y64rr/EehTvcQ6zp9uLmbyhDc2oYKZkBJUqTxvUk9cAg9eBXD6fYXniXxZG8
lnLawxL5Rgc5Mabgzl8cbmKqMc/dHvQB6tpYcaVamQYkaJWcf7RGT+ppa6ZUtJnY4
VY2JPoMVLXNeM9M1zVdPjg0m7jigIcXkLNsM8ZXGOMEYjv93B54IoA8k+H1obTxd
YYZ77CBiPzr0P413H2y0s9BhIaSeZbi4Uc7YozuUn0zIEx64b0NcreWWuXhjE3g2B/J
4icecrJ/ukR5X8DTItC8S3cMlpFo/2CGZv3xiRzLL2+aWTHbjOM46EUAW/hJZb9Xv
b5f8AVOXkU+q/Ki/gVXP41zOkW4i8ZaPdfwT3FyQ3r+/Qj9K9MTwlrWn+Fks9FvobO
/lmVrhgQoMQVh5atsbb1ByBnrgjXFahpXiOW2trW08Om1axYG1uLcyZjKjAwGillx2
I5/I0AdJ8VdEjvJtlvmQFXZ7GbjqrruUn6FCPq9avww1CS48KDT7ls3emytbS56nHib
8Qcj2NaF1Z3PijwW1rMslvf7I2D3ERjHnXlXDY/u71H4Zrjo4fFOkeLY7pNH8tFZUu3s
WklS5ix0wYwCRng5BHBOOKAOb1jSJ/Dni+7ureNmfTb77aiqOXt5SW4HopLD3MVe
6W13Bd2UV3DKrwSxiRJAeCpGQc/SsTX9CbWFttRs9sOoQIdgmBCyo3JjfhI5wQeS
pHQgkHtZUna0L6f8A2Hqti7E7rea+P2IE9WEaSYcd9u0Ke/rQBtaJO3iPx3rXiSMt5D
+Vo2nMDgmL/WSuPYj5gf8Aax2r1KuS8GaVLDaRxE0LQxRIUt4nOWJY5eVjgZZjz0
HsMV1tABRRRQAUUUUAFFFFABRRRQAUUUUAFIQDjIBxyKKKAFOoooA//9k=</P
RODUCT_IMAGE>

</PRODUCT>

<PRODUCT>

<PRODUCT_CODE>890409110002</PRODUCT_CODE>

<PRODUCT_NAME>abcdefg123</PRODUCT_NAME>

<GENERIC_NAME>Test generic name </GENERIC_NAME>

<COMPOSITION>xxbcdf </COMPOSITION>

<SCHEDULED>N</SCHEDULED>

<USAGE>As Prescribed by doctor</USAGE>

<REMARK>Should be kept in cool place</REMARK>

<PRODUCT_IMAGE/>

</PRODUCT>

</ENVELOPE>

</PRODUCTS_LIST>

2.2.2 Batch Details

- **What:** The Batch detail process involves uploading of Batch information on DAVA server.
- **When:** Manufacturer is supposed to upload the Batch details when batch is finalized and ready for production. Mandatory to upload before uploading the production information.
- **Frequency:** As and when new batch is started
- Multiple Batch information can be clubbed together in single XML file

2.2.2.1 Information to be uploaded :

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
Manufacturer Code	MANUFACTURER_CODE	Char(10)	Yes	✓ 7 to 10 characters numeric (As assigned by GS-1)
For each Batch:				
Batch Number as assigned by Manufacturer	BATCH_NUMBER	Char(20)	Yes	✓ Max 20 characters alphanumeric ✓ Allowed characters A-Z a-z 0-9 / -
Expiry Date	EXPIRY_DATE	Date	Yes	✓ Date in yyyy-mm-dd format ✓ Must be greater than current date
Batch Size (No. of primary Units to be produced in the batch)	BATCH_SIZE	Integer (7)	Yes	✓ Numeric. Max allowed range 1-9999999
Product code of the product being manufactured in this	PRODUCT_CODE	Char(12)	Yes	✓ Exact 12 characters numeric (As per GS-1 standard) (Manufacturer code + product number)

batch .				
Unit price	UNIT_PRICE	Decimal(10,2)	Yes*	<ul style="list-style-type: none"> ✓ Blank element allowed e.g. <UnitPrice/> ✓ Numeric : Range 0.50 to 9999999.99
Is the batch is for Export or Domestic Consumption ?	BATCH_FOR_EXPORT	Char(1)	Yes	<ul style="list-style-type: none"> ✓ Character 01 ✓ Allowed value Y: for Export N:for Domestic
Indian Barcode is mandatory on packaging?	EXEMPTED_FROM_BARCODING	Char(1)	Yes	<ul style="list-style-type: none"> ✓ Character 01 ✓ Allowed values Y: Yes Exempted from bar-coding N: No (Bar coding is mandatory)
Exemption Notification and date	EXEMPTION_NOTIFICATION_DATE	Varchar(100)	Yes *	<ul style="list-style-type: none"> ✓ Blank element allowed ✓ Maximum 100 characters ✓ Minimum 10 characters ✓ Alphanumeric ✓ '-', '/', ',', spaces are allowed
Country Code for which exemption is taken	EXEMPTED_COUNTRY_CODE	Char(2)	Yes *	<ul style="list-style-type: none"> ✓ Blank element allowed ✓ Two characters country code
Status of the Batch	BATCH_STATUS	Char(1)	Yes	<ul style="list-style-type: none"> ✓ A (Active) / D (Deleted)

2.2.2.2 Sample Batch file

```

<?xml version="1.0" encoding="utf-8"?>
<BATCHINFO xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
<FILENAME>8904091100BAT22092014099</FILENAME>
<ENVELOPE>
  <MANUFACTURER_CODE>89040911</MANUFACTURER_CODE>
<BATCH>
<NUMBER>BATCHXYZ001</NUMBER>
<PRODUCT_CODE>890409110001</PRODUCT_CODE>
<BATCH_SIZE>1000</BATCH_SIZE>
<EXPIRY_DATE>2017-12-31</EXPIRY_DATE>
<UNIT_PRICE>145.55</UNIT_PRICE>
<BATCH_FOR_EXPORT>Y</BATCH_FOR_EXPORT>
<EXEMPTED_FROM_BARCODING>Y</EXEMPTED_FROM_BARCODING>
<EXEMPTION_NOTIFICATION_AND_DATE>NOT/4/1 DATED
14.01.2014</EXEMPTION_NOTIFICATION_AND_DATE>
<EXEMPTED_COUNTRY_CODE>US</EXEMPTED_COUNTRY_CODE>
<BATCH_STATUS>A</BATCH_STATUS>

```

```

</BATCH>
<BATCH>
<NUMBER>BATCHXYZ002</NUMBER>
<PRODUCT_CODE>890409110002</PRODUCT_CODE>
<BATCH_SIZE>10000</BATCH_SIZE>
<EXPIRY_DATE>2017-02-28</EXPIRY_DATE>
<UNIT_PRICE xsi:nil="true"/>
<BATCH_FOR_EXPORT>N</BATCH_FOR_EXPORT>
<EXEMPTED_FROM_BARCODING>N</EXEMPTED_FROM_BARCODING>
<EXEMPTION_NOTIFICATION_AND_DATE></EXEMPTION_NOTIFICATION_AND_DATE>
<EXEMPTED_COUNTRY_CODE></EXEMPTED_COUNTRY_CODE>
<BATCH_STATUS>A</BATCH_STATUS>
</BATCH>
</ENVELOPE>
</BATCHINFO>

```

2.2.3 Production details

- **What:** The Production details process involves uploading of production information on DAVA server.
- **When:** Manufacturer is supposed to upload the production details after Tertiary level packaging is completed with serialization and goods are ready to dispatch from factory.
- **Frequency:** Daily / before Tertiary pack is dispatched from factory.
- Multiple tertiary packs details can be included in single Production XML file subject to file size restriction.

2.2.3.1 Packaging Scenarios :

Homogeneous (Default scenario) : One or more Secondary packs and Primary pack(s) of same product

Heterogeneous: One or more Secondary packs and Primary pack(s) of different products

Special cases :

Homogenous /Heterogeneous Tertiary packs containing one or more **intermediate level packs** between Secondary and Tertiary level packs.

2.2.3.2 Production Detail Information to be uploaded :

Homogeneous Tertiary Pack (Default Scenario):

For each Tertiary level pack:

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
Tertiary pack Serial number (SSCC)	SSCC	Char(18)	Yes	✓ Exact 18 characters numeric (As per GS-1 Standard)
No. of Secondary pack(s) in this Tertiary	SubItemCnt	Integer	Yes	✓ Numeric ✓ Minimum value : 01
Product code of the product packed in this Tertiary	ProductCode	Char(12)	Yes	✓ Exact 12 characters numeric (As per GS-1 standard) (Manufacturer code + product number)
For each Secondary pack in this Tertiary				
Secondary Serial Number	SecSrNo	Char(20)	Yes	✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed
Batch number	BatchNo	Char(20)	Yes	✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed
No. of Primary packs in this Second	NoOfPrimaries	Integer	Yes	✓ Numeric ✓ Minimum value : 01

ary				
For each primary in this Secondary pack				
Primary Serial Number *	PriSrNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed

Heterogeneous Tertiary Pack:

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
Tertiary pack Serial number (SSCC)	SSCC	Char(18)	Yes	<ul style="list-style-type: none"> ✓ Exact 18 characters numeric (As per GS-1 Standard)
No. of Secondary pack(s) in this Tertiary	SubItemCnt	Integer	Yes	<ul style="list-style-type: none"> ✓ Numeric ✓ Minimum value : 01
For each Secondary pack in this Tertiary				
Product code of the product packed in this Tertiary	ProductCode	Char(12)	Yes	<ul style="list-style-type: none"> ✓ Exact 12 characters numeric (As per GS-1 standard) (Manufacturer code + product number)
Secondary Serial Number	SecSrNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed
Batch number	BatchNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed
No. of Primary	NoOfPrimaries	Integer	Yes	<ul style="list-style-type: none"> ✓ Numeric ✓ Minimum value : 01

packs in this Secondary				
For each primary in this Secondary pack				
Primary Serial Number *	PriSrNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed

2.2.3.3 Production Data upload in case of Intermediate level packaging

Intermediate Level 2

Besides parameters mentioned in default scenario, following additional parameters are to be exchanged for each **Intermediate Level 2 pack**

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
L2 pack serial number	Level2SrNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed
No of secondary packs in this L2 pack	Secondary Cnt	Integer	Yes	<ul style="list-style-type: none"> ✓ Numeric ✓ Minimum value : 01

Intermediate Level 3

Besides parameters mentioned in Intermediate Level 2, following additional parameters are to be exchanged for each Intermediate Level 3 pack.

Parameter to be exchanged	XML Element Name	Type, Length	Mandatory	Validations
L3 pack serial number	Level2SrNo	Char(20)	Yes	<ul style="list-style-type: none"> ✓ Max 20 characters alphanumeric ✓ Special characters '/', '-' allowed

No of L2 level packs in this L3 pack	L2Cnt	Integer	Yes	<ul style="list-style-type: none"> ✓ Numeric ✓ Minimum value : 01
--------------------------------------	-------	---------	-----	---

3. Bulk Data upload

In case of high volume of data upload (large numbers of Tertiary packs e.g. 16000 Tertiary pack /day), large numbers of files will have to be created and uploaded online. It's time consuming and not cost efficient task.

Bulk Data upload feature facilitates large volume of Production data upload (TSP) in batch mode on DAVA portal.

3.1 Steps involved in Bulk Data upload :

1. Prepare production data(TSP) Files as per predefined XML format
2. Digitally Sign each file.
3. Prepare a compressed (ZIP) file of above prepared XML files
4. Name compressed (ZIP) file with same naming convention as used for TSP file except use 'ZIP' instead of 'TSP'. e.g. 8901148000ZIP21042016002
5. Upload this compressed (ZIP) file on DAVA portal using upload type as 'Compressed Files'. On successful uploading System will provide acknowledgement of receipt of files in XML format.

e.g.

```
<AckgFile>
<FILENAME>8901148000ZIP21042016002</FILENAME>
<FERRCODE>000</FERRCODE>
<REMARK>Received 5 with file names as :
,8901148000TSP30032016004.XML,8901148000TSP30032016005.X
ML,8901148000TSP30032016001.XML,8901148000TSP3003201600
2.XML,8901148000TSP30032016003.XML</REMARK>
</AckgFile>
```

Note: This acknowledgement indicates just receipt of files for processing in batch mode and not uploading of Data on DAVA Portal.

6. "Bulk Processor", a scheduled task, will run at predefined time (non peak hour) to process above uploaded files individually and generate acknowledgment for each file. After processing all files in uploaded compress (ZIP) file, system will generate ZIP of acknowledgment files

generated. The compress (ZIP) file so generated will be available for downloading through 'Download Acknowledgment File' option.

7. User can download the Acknowledgement file from DAVA portal and extract it to get acknowledgment for individual file.

4 Modification, Deletion, withdrawal policy

4.1 Manufacturer Information

Task	When allowed	How	Remarks if any	Effect
Modification required due Typographical errors, mistakes etc	Any time Caution : Due care need to taken by (Administrator currently, GS- 1) as earlier name, description etc may have been reflected in various reports	Upload new Manufacturer XML file with same manufacturer code with status as 'A'	All parameters (elements in xml file) can be modified except Manufacturer code	System will show New information about given Manufacturer code
Deletion	Not supported		As data is being uploaded by GS-1 (Administrator) deletion may not be needed.	
Withdrawal / Suspension	When GS-1 (Administrator) wants to restrict uploading of data / other activates for a manufacturer	Upload new Manufacturer XML file with same manufacturer code details and status as 'W'		Manufacturer status changes to "Withdrawn"(suspended)
Re- activation	Same as Modification			

4.2 Product Information

Task	When allowed	How	Remarks if any	Effect
Modification required due Typographical errors, mistakes etc	Any time before deletion Caution : Due care need to taken by Manufacturer as earlier name, description may have been reflected in various reports	Upload new Product XML file with same product code and status as ‘A’	All parameters (elements in xml file) can be modified except Product code and Manufacturer code	System will show new information about given product code
Deletion to be used only when wrong product code was uploaded	Before first Batch /production information is uploaded	Upload new Product XML file with same product code details and status as ‘D’		Product code is deleted from DAVA portal. No log maintained as it is treated as mistake at time of upload.
Withdrawal required when product is no more manufactured	When Batch /production information is already uploaded for given product code	Upload new Product XML file with same product code details and status as ‘W’		Product status changes to “Withdrawn”
Re-activation	Same as Modification			

4.3 Batch Information

Task	When allowed	How	Remarks if any	Effect
Modification required due Typographical errors, mistakes etc	A. before uploading production data B. after partial upload	Upload new batch XML file with same product code with status as 'A'	A: All parameters (elements in xml file) can be modified except batch number and Manufacturer code. B: New Batch size cannot be less than already uploaded data. Product code, Manufacturer code , Expiry date can Not be changed All Other parameters can be modified.	System will show new information about given batch
Deletion to be used only when wrong batch number was uploaded	<i>Before</i> production information is uploaded for given batch number.	Upload new batch XML file with same product code details and status as 'D'		Batch is deleted from DAVA portal. No log maintained as it is treated as mistake at time of upload.
Withdrawal	Not Supported		As withdrawal will lead to irrelevance to production data of that batch.	
Re-activation	Not supported			

4.4 Production Information

Task	When allowed	How	Effect
Modification	Not supported/Allowed. Only withdrawal of complete Tertiary pack is allowed.		
Withdrawal	A. Before movement of tertiary pack	<ul style="list-style-type: none"> Prepare TSPWithdrawal file as shown in sample and upload with upload type as “Tertiary Pack withdrawal” 	<ul style="list-style-type: none"> All information about given tertiary pack is deleted from DAVA portal and user can upload fresh data with same /new Tertiary pack number. Withdrawal log will be maintained.
	B. After movement	<ul style="list-style-type: none"> Recall the Tertiary pack to location “Manufacturer” by uploading movement xml with movement type “Recall” Upload XML for TSP withdrawal 	

Steps

A. Before movement of tertiary pack

- User to provide SSCC(s) and File name (earlier Uploaded with) in TSP withdrawal xml
- System will cross check and if in order then withdrawal will be done.
- User will get acknowledgement xml as response.
- User may upload the corrected information through fresh file of TSP upload process.

B. Withdrawal after Movement

- **First** Recall the Tertiary pack to location “Manufacturer” by uploading movement xml with movement type “Recall”

- **Perform tasks as mentioned in A.**

4.5 Sample withdrawal xml for a Tertiary pack

```
<?xml version="1.0" encoding="utf-8"?>
<TSPWithdrawal>
<FILENAME>8906000990WIT11022016001</FILENAME>
<ENVELOPE>
<Tertiary>
<SSCC>089041840000004040</SSCC>
<UploadFname>8906000990TSP10022016001</UploadFname>
<Reason>Wrongly added</Reason>
</Tertiary>
<Tertiary>
<SSCC>089041840000004041</SSCC>
<UploadFname>8906038280TSP10022016012</UploadFname>
<Reason>mistakes in primary numbers </Reason>
</Tertiary>
</ENVELOPE>
<DIGSIGN>
<USERID>890600099</USERID>
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