الدليل التنفيذي الخاص بالتشغيل و التعبئة

للدليل التنظيمي الخاص بالقواعد و الإجراءات المنظمة بشأن إنشاء و تشغيل المنظمة الوطنية الإلكترونية الموحدة للتتبع الدوائي للمستحضرات الطبية البشرية و الحيوية لسنة 2026

EPTTS Phase 1 — File Upload (CSV) Implementation Guide for Commissioning and Packing

Professional Market Guideline

(Template Reference + Worked Examples)

الدليل التنفيذي الخاص بالتشغيل و التعبئة للدليل التنظيمي الخاص بالقواعد و الإجراءات المنظمة بشأن إنشاء و تشغيل المنظومة الوطنية الإلكترونية الموحدة للتتبع الدوائي للمستحضرات الطبية البشرية والحيوية لسنة 2026

الكود:EDREX:NP.CIP.004

رقم الاصدار/ السنة : 2026/01

1. Declarations:

Description	Abbreviation	Example
Trade Item Number	TIN	GTIN and Product code (Pc)
Serialized Trade Items	STIN	SGTIN
Shipping Container Code	SCC	SSCC
Location Number	LN	GLN
Electronic Item Code	EIC	EPC
Manufacturing Date	Manuf Date	ManufDate
Read Point Location	Read Point	ReadPointGLN
Business Location	Biz Location	BizLocationGLN

2. Purpose

This guide defines the Phase 1 CSV file-upload requirements for EPTTS. It provides the official CSV template field reference, mandatory business rules, validation constraints, and complete sample files for:
• Commissioning of **Serialized Trade Items** (STIN)
• Commissioning of **Shipping Container Code** (SCC)
• Packing (aggregation) for multi-level packaging hierarchies

The template is designed for interoperable identifiers, standardized event timestamps, and unambiguous location capture to support end-to-end traceability.

2. Scope

Phase 1 file upload supports two business steps only: commissioning and packing. Other event types (e.g., shipping, receiving, unpacking, returns, dispensing, destruction) are outside the scope of Phase 1 CSV upload.

3. Core Market Rules (Mandatory)

- Atomic processing: each file is processed as one unit; any error rejects the entire file.
- Chronological ordering: rows MUST be sorted by eventTime (ascending).
- Dependency: an EIC MUST be commissioned before it can be packed.
- Location integrity: readPointGLN is mandatory and MUST equal bizLocationGLN.
- Batch discipline: maximum 5 distinct batches/lots per commissioning file (STIN only).
- Volume limit: maximum 50,000 unique serial numbers per file (unique STINs).

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تشغيل المنظومة الوطنية الإلكترونية الموحدة للتتبع الدوائي للمستحضرات الطبية البشرية والحيوية لسنة 2026

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- Data integrity: manufacturing date (manufDate) MUST be earlier than the event timestamp (eventTime) when manufDate is provided.

4. CSV Template (Fixed Header and Order)

All Phase 1 uploads MUST use the CSV template with the exact header and column order shown below. Do not rename columns, change the order, or add extra columns.

seqNo,bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,parent,import, expiryDate,manufDate

5. Field Reference (Authoritative)

This section defines each CSV field, its required status, accepted formats, and validation rules. Fields marked 'Can be blank' MUST be left empty when not applicable to the selected business step.

Field name	Mandatory	Description / Rules
SeqNo	Yes	Row sequence starting at 1; increment by 1 for each row.
Bizstep	Yes	Business step. Allowed values: commissioning, packing.
EventTime	Yes	Event timestamp in ISO 8601 UTC format. Example: 2021-05-31T12:02:16.000Z. Format: YYYY-MM-DDThh:mm:ss.dddZ. Must be after manufDate when manufDate is provided.
TimeOffset	Yes	Time zone offset between local time zone and UTC. Example: +05:30. Format: ±HH:MM.
readPointGLN	Yes	Location identifier where the event is captured. MUST equal bizLocationGLN.
bizLocationGLN	Yes	Business location identifier associated with the event. MUST equal readPointGLN.
epc	Yes	STIN or SCC in human-readable AI format. Examples: (01)<GTIN>(21)<Serial> or (00)<SSCC>. For packing, this

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		represents the child EPC. Maximum 50,000 unique serial numbers per file.
parent	Can be blank	Conditional field: • Commissioning (STIN): batch/lot in AI format, e.g. (10)LOT123456. Max 5 different batches per file. • Commissioning (SCC): blank. • Packing: parent EPC in the same human-readable AI format as epc.
import	Can be blank	Conditional fixed values: I=Import, L=Local/Domestic. Used only for commissioning of an STIN; blank otherwise.
expiryDate	Can be blank	Only for commissioning of an STIN. Expiry date format: YYYY-MM-DDT (e.g., 2023-02-28T). Trailing 'T' prevents spreadsheet auto-formatting.
manufDate	Can be blank	Only for commissioning of an STIN. Manufacturing date format: YYYY-MM-DDT (e.g., 2021-02-28T). Trailing 'T' prevents spreadsheet auto-formatting. Must be before eventTime.

6. How to Populate the Template

6.1 Commissioning (STIN)

Use one row per STIN. Populate parent (lot/batch), import, expiryDate, and manufDate. Ensure manufDate is earlier than eventTime. Do not exceed 5 distinct lots per file. Populate readPointGLN and bizLocationGLN with the same location value.

6.2 Commissioning (SCC)

Use one row per SCC. Populate: seqNo, bizstep, eventTime, timeOffset, readPointGLN, bizLocationGLN, epc. Leave parent, import, expiryDate, and manufDate blank.

6.3 Packing (Aggregation)

Use one row per child EPC. Set epc to the child (STIN or SCC) and parent to the parent EIC (typically SCC). Populate readPointGLN and bizLocationGLN with the same location value. Leave import, expiryDate, and manufDate blank.

7. Pre-Upload Validation Checklist

1. CSV header matches exactly and columns are in the fixed order.
2. All rows contain seqNo, bizstep, eventTime, timeOffset, readPointGLN, bizLocationGLN, and epc.
3. readPointGLN equals bizLocationGLN for every row.
4. Rows are strictly ordered by eventTime (ascending).
5. For STIN commissioning: parent uses (10), import is I/L, and expiryDate/manufDate end with 'T'.
6. For SCC commissioning: parent/import/expiryDate/manufDate are blank.
7. For packing: parent is populated and references the correct parent EIC; child EICs were commissioned previously.
8. No more than 50,000 unique serial numbers per file (unique STINs).
9. No more than 5 distinct lots per commissioning file.

Appendix A — Complete Example Files (Updated Template)

The following are complete, ready-to-upload CSV examples using the updated Phase 1 template including location fields. They are consistent across identifiers, timestamps, and time offset.

A1. Commissioning — STIN (Sample File)

```
seqNo,bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,parent,import,expiryDate,manufDate
1,commissioning,2026-01-10T08:30:01.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000001,(10)LOT123456,I,2029-12-31T,2025-06-15T
2,commissioning,2026-01-10T08:30:02.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000002,(10)LOT123456,I,2029-12-31T,2025-06-15T
3,commissioning,2026-01-10T08:30:03.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000003,(10)LOT123456,I,2029-12-31T,2025-06-15T
4,commissioning,2026-01-10T08:30:04.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000004,(10)LOT123456,I,2029-12-31T,2025-06-15T
5,commissioning,2026-01-10T08:30:05.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000005,(10)LOT123456,I,2029-12-31T,2025-06-15T
6,commissioning,2026-01-10T08:30:06.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000006,(10)LOT123456,I,2029-12-31T,2025-06-15T
7,commissioning,2026-01-10T08:30:07.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000007,(10)LOT123456,I,2029-12-31T,2025-06-15T
8,commissioning,2026-01-10T08:30:08.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000008,(10)LOT123456,I,2029-12-31T,2025-06-15T
9,commissioning,2026-01-10T08:30:09.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000009,(10)LOT123456,I,2029-12-31T,2025-06-15T
10,commissioning,2026-01-10T08:30:10.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000010,(10)LOT123456,I,2029-12-31T,2025-06-15T
```

A2. Commissioning — SCC (Sample File)

```
seqNo,bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,parent,import,expiryDate,manufDate
1,commissioning,2026-01-10T08:35:01.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(00)062855552000000001,,,,
2,commissioning,2026-01-10T08:35:02.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(00)062855553000000001,,,,
```

A3. Packing — Aggregation (Sample File)

```
seqNo,bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,parent,import,expiryDate,manufDate
1,packing,2026-01-10T13:00:01.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000001,(00)062855552000000001,,,
2,packing,2026-01-10T13:00:02.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000002,(00)062855552000000001,,,
```

3,packing,2026-01-10T13:00:03.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000003,(00)062855552000000001,,,

4,packing,2026-01-10T13:00:04.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000004,(00)062855552000000001,,,

5,packing,2026-01-10T13:00:05.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000005,(00)062855552000000001,,,

6,packing,2026-01-10T13:00:06.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000006,(00)062855552000000001,,,

7,packing,2026-01-10T13:00:07.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000007,(00)062855552000000001,,,

8,packing,2026-01-10T13:00:08.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000008,(00)062855552000000001,,,

9,packing,2026-01-10T13:00:09.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000009,(00)062855552000000001,,,

10,packing,2026-01-10T13:00:10.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(01)06285555100010(21)00000010,(00)062855552000000001,,,

11,packing,2026-01-10T13:10:00.000Z,+02:00,urn:epc:id:gln:6285555000009,urn:epc:id:gln:6285555000009,(00)062855552000000001,(00)062855553000000001,,,

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