

Egyptian Drug Authority

الدليل التنفيذي الخاص بالتشغيل والتعبئة للدليل التنظيمي
الخاص بالقواعد والاجراءات المنظمة بشأن انشاء وتشغيل المنظومة
الوطنية الالكترونية الموحدة للتتبع الدوائي للمستحضرات الطبية
□ البشرية والحيوية لسنة 2026

ETTP Phase 1 — File Upload (CSV)

Implementation Guide for Commissioning and Packing

Professional Market Guideline

(Template Reference + Worked Examples)

Year 2026

Code: EDREX:NP.CIP.004/2026

Version No: 2/0

Issue Date: 07/2026

1. Purpose

This guide defines the Phase 1 CSV file-upload requirements for ETPP. It provides the official CSV template field reference, mandatory business rules, validation constraints, and complete sample files for:

- Commissioning of serialized trade items (SGTIN)
- Commissioning of logistic units (SSCC)
- 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 of Application

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 EPC MUST be commissioned before it can be packed.
- Location integrity: readPoint GLN is mandatory and MUST equal bilocating.
- Batch discipline: maximum 5 distinct batches/lots per commissioning file (SGTIN only).
- Volume limit: maximum 50,000 unique serial numbers per file (unique SGTINs).
- 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: 2026-03-05T10:00:00.000Z 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	SGTIN or SSCC in human-readable AI format. Examples: (01)<GTIN>(21)<Serial> or (00)<SSCC>. For packing, this represents the child EPC. Maximum 50,000 unique serial numbers per file.
Parent	Can be blank	Conditional field: • Commissioning (SGTIN): batch/lot in AI format, e.g. (10)LOT123456. Max 5 different batches per file. • Commissioning (SSCC): blank. • Packing: parent EPC in the same human-readable AI format as epc (00).
import	Can be blank	Conditional fixed values: I=Import, Blank=Local. Used only for commissioning of an SGTIN; blank otherwise.
expiry Date	Can be blank	Only for commissioning of an SGTIN. 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 SGTIN. 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 (SGTIN)

Use one row per SGTIN. Set Bizstep to commissioning and epc to (01) + 14-digit GTIN + (21) + serial. The GTIN must carry a valid GS1 check digit and must be a registered product. Populate Parent with the lot/batch as (10) LOT (required). Set import to I for imported product, or leave it blank for local product. Populate expiryDate (required, yyyy-mm-ddT format; an already-expired date rejects the row). manufDate is optional; when provided it must be earlier than eventTime and use the same yyyy-mm-ddT format. Do not exceed 5 distinct lots per file. Populate readPointGLN and bizLocationGLN with the same location value.

6.2 Commissioning (SSCC)

Use one row per SSCC. Set Bizstep to commissioning and epc to (00) followed by the 18-digit SSCC — the SSCC must carry a valid GS1 check digit, or the file is rejected. Populate: seqNo, Bizstep, eventTime, timeOffset, readPointGLN, bizLocationGLN, and epc. Leave Parent, import, expiryDate, and manufDate blank.

6.3 Packing (Aggregation)

Use one row per child EPC. Set Bizstep to packing, epc to the child — SGTIN (01)GTIN(21)SERIAL or SSCC (00)SSCC — and Parent to the parent SSCC as (00)SSCC. Both identifiers must carry valid GS1 check digits. Every child must already be commissioned, either earlier in the same file or in a previous upload. Populate readPointGLN and bizLocationGLN with the same location value. Leave import, expiryDate, and manufDate blank.

7. Pre-Upload Validation Checklist

1. CSV header matches the template exactly — case-sensitive, fixed order, no extra or missing
2. Every row contains seqNo, Bizstep, eventTime, timeOffset, readPointGLN, bizLocationGLN, and epc — and seqNo runs 1, 2, 3... in order from the first data row of the file..
3. readPointGLN equals bizLocationGLN for every row.
4. Rows are strictly ordered by eventTime (ascending).
5. For SGTIN commissioning: parent uses (10), import is I/Blank, and expiryDate/manufDate end with 'T'.
6. For SSCC commissioning: parent/import/expiryDate/manufDate are blank.
7. For packing: parent is populated and references the correct parent EPC; child EPCs were commissioned previously.
8. 50K items recommended per file.
9. No more than 5 distinct lots per commissioning file.

Appendix A — Complete Example File (BATCH003)

The following sections together form one complete, ready-to-upload CSV file for BATCH003, covering Commissioning (SGTIN and SSCC) and Packing (item-to-case and case-to-pallet aggregation) in a single upload. The header row appears exactly once at the top of the file; the section titles are documentation only and must not appear in the file. seqNo runs continuously from 1 to 135, and rows are ordered by dependency: items and cases are commissioned before they are packed. Identifiers, timestamps, and time offset are consistent throughout.

A1. Commissioning — SGTIN (60 items, BATCH003)

```
seqNo,Bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,Parent,import,expiryDate,manufDate
1,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0001,(10)BATCH003,I,2028-02-01T,2026-02-01T
2,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0002,(10)BATCH003,I,2028-02-01T,2026-02-01T
3,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
```

0003,(10)BATCH003,I,2028-02-01T,2026-02-01T
 4,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0004,(10)BATCH003,I,2028-02-01T,2026-02-01T
 5,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0005,(10)BATCH003,I,2028-02-01T,2026-02-01T
 6,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0006,(10)BATCH003,I,2028-02-01T,2026-02-01T
 7,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0007,(10)BATCH003,I,2028-02-01T,2026-02-01T
 8,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0008,(10)BATCH003,I,2028-02-01T,2026-02-01T
 9,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0009,(10)BATCH003,I,2028-02-01T,2026-02-01T
 10,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0010,(10)BATCH003,I,2028-02-01T,2026-02-01T
 11,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0011,(10)BATCH003,I,2028-02-01T,2026-02-01T
 12,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0012,(10)BATCH003,I,2028-02-01T,2026-02-01T
 13,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0013,(10)BATCH003,I,2028-02-01T,2026-02-01T
 14,commissioning,2026-03-

05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0014,(10)BATCH003,I,2028-02-01T,2026-02-01T
15,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0015,(10)BATCH003,I,2028-02-01T,2026-02-01T
16,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0016,(10)BATCH003,I,2028-02-01T,2026-02-01T
17,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0017,(10)BATCH003,I,2028-02-01T,2026-02-01T
18,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0018,(10)BATCH003,I,2028-02-01T,2026-02-01T
19,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0019,(10)BATCH003,I,2028-02-01T,2026-02-01T
20,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0020,(10)BATCH003,I,2028-02-01T,2026-02-01T
21,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0021,(10)BATCH003,I,2028-02-01T,2026-02-01T
22,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0022,(10)BATCH003,I,2028-02-01T,2026-02-01T
23,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0023,(10)BATCH003,I,2028-02-01T,2026-02-01T
24,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0024,(10)BATCH003,I,2028-02-01T,2026-02-01T

25,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0025,(10)BATCH003,I,2028-02-01T,2026-02-01T

26,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0026,(10)BATCH003,I,2028-02-01T,2026-02-01T

27,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0027,(10)BATCH003,I,2028-02-01T,2026-02-01T

28,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0028,(10)BATCH003,I,2028-02-01T,2026-02-01T

29,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0029,(10)BATCH003,I,2028-02-01T,2026-02-01T

30,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0030,(10)BATCH003,I,2028-02-01T,2026-02-01T

31,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0031,(10)BATCH003,I,2028-02-01T,2026-02-01T

32,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0032,(10)BATCH003,I,2028-02-01T,2026-02-01T

33,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0033,(10)BATCH003,I,2028-02-01T,2026-02-01T

34,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0034,(10)BATCH003,I,2028-02-01T,2026-02-01T

35,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-

0035,(10)BATCH003,I,2028-02-01T,2026-02-01T
 36,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0036,(10)BATCH003,I,2028-02-01T,2026-02-01T
 37,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0037,(10)BATCH003,I,2028-02-01T,2026-02-01T
 38,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0038,(10)BATCH003,I,2028-02-01T,2026-02-01T
 39,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0039,(10)BATCH003,I,2028-02-01T,2026-02-01T
 40,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0040,(10)BATCH003,I,2028-02-01T,2026-02-01T
 41,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0041,(10)BATCH003,I,2028-02-01T,2026-02-01T
 42,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0042,(10)BATCH003,I,2028-02-01T,2026-02-01T
 43,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0043,(10)BATCH003,I,2028-02-01T,2026-02-01T
 44,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0044,(10)BATCH003,I,2028-02-01T,2026-02-01T
 45,commissioning,2026-03-
 05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0045,(10)BATCH003,I,2028-02-01T,2026-02-01T
 46,commissioning,2026-03-

05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0046,(10)BATCH003,I,2028-02-01T,2026-02-01T
47,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0047,(10)BATCH003,I,2028-02-01T,2026-02-01T
48,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0048,(10)BATCH003,I,2028-02-01T,2026-02-01T
49,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0049,(10)BATCH003,I,2028-02-01T,2026-02-01T
50,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0050,(10)BATCH003,I,2028-02-01T,2026-02-01T
51,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0051,(10)BATCH003,I,2028-02-01T,2026-02-01T
52,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0052,(10)BATCH003,I,2028-02-01T,2026-02-01T
53,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0053,(10)BATCH003,I,2028-02-01T,2026-02-01T
54,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0054,(10)BATCH003,I,2028-02-01T,2026-02-01T
55,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0055,(10)BATCH003,I,2028-02-01T,2026-02-01T
56,commissioning,2026-03-
05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0056,(10)BATCH003,I,2028-02-01T,2026-02-01T

57,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0057,(10)BATCH003,I,2028-02-01T,2026-02-01T

58,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0058,(10)BATCH003,I,2028-02-01T,2026-02-01T

59,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0059,(10)BATCH003,I,2028-02-01T,2026-02-01T

60,commissioning,2026-03-05T10:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0060,(10)BATCH003,I,2028-02-01T,2026-02-01T

A2. Commissioning — SSCC (11 cases)

seqNo,Bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,Parent,import,expiryDate,manufDate

61,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002012,,,,

62,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002029,,,,

63,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002036,,,,

64,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002043,,,,

65,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002050,,,,

66,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002067,,,,

67,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002074,,,,

68,commissioning,2026-03-05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002081,,,,

69,commissioning,2026-03-
05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002098,,,
70,commissioning,2026-03-
05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002104,,,
71,commissioning,2026-03-
05T10:05:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002111,,,

A3. Packing — Aggregation (SGTIN into SSCC)

seqNo,Bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,Parent,import,expiryDate,manufDate
72,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0001,(00)035045800000002012,,,
73,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0002,(00)035045800000002012,,,
74,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0003,(00)035045800000002012,,,
75,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0004,(00)035045800000002012,,,
76,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0005,(00)035045800000002012,,,
77,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0006,(00)035045800000002012,,,
78,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0007,(00)035045800000002029,,,
79,packing,2026-03-

05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0008,(00)035045800000002029,,,
80,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0009,(00)035045800000002029,,,
81,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0010,(00)035045800000002029,,,
82,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0011,(00)035045800000002029,,,
83,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0012,(00)035045800000002029,,,
84,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0013,(00)035045800000002036,,,
85,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0014,(00)035045800000002036,,,
86,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0015,(00)035045800000002036,,,
87,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0016,(00)035045800000002036,,,
88,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0017,(00)035045800000002036,,,
89,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0018,(00)035045800000002036,,,

90,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0019,(00)035045800000002043,,,

91,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0020,(00)035045800000002043,,,

92,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0021,(00)035045800000002043,,,

93,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0022,(00)035045800000002043,,,

94,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0023,(00)035045800000002043,,,

95,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0024,(00)035045800000002043,,,

96,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0025,(00)035045800000002050,,,

97,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0026,(00)035045800000002050,,,

98,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0027,(00)035045800000002050,,,

99,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0028,(00)035045800000002050,,,

100,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-

0029,(00)035045800000002050,,,
 101,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0030,(00)035045800000002050,,,
 102,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0031,(00)035045800000002067,,,
 103,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0032,(00)035045800000002067,,,
 104,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0033,(00)035045800000002067,,,
 105,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0034,(00)035045800000002067,,,
 106,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0035,(00)035045800000002067,,,
 107,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0036,(00)035045800000002067,,,
 108,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0037,(00)035045800000002074,,,
 109,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0038,(00)035045800000002074,,,
 110,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
 0039,(00)035045800000002074,,,
 111,packing,2026-03-

05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0040,(00)035045800000002074,,,
 112,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0041,(00)035045800000002074,,,
 113,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0042,(00)035045800000002074,,,
 114,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0043,(00)035045800000002081,,,
 115,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0044,(00)035045800000002081,,,
 116,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0045,(00)035045800000002081,,,
 117,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0046,(00)035045800000002081,,,
 118,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0047,(00)035045800000002081,,,
 119,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0048,(00)035045800000002081,,,
 120,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0049,(00)035045800000002098,,,
 121,packing,2026-03-
 05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-0050,(00)035045800000002098,,,

122,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0051,(00)035045800000002098,,,

123,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0052,(00)035045800000002098,,,

124,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0053,(00)035045800000002098,,,

125,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0054,(00)035045800000002098,,,

126,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0055,(00)035045800000002104,,,

127,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0056,(00)035045800000002104,,,

128,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0057,(00)035045800000002104,,,

129,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0058,(00)035045800000002104,,,

130,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0059,(00)035045800000002104,,,

131,packing,2026-03-
05T12:00:00.000Z,+04:00,5413868000009,5413868000009,(01)04065270805843(21)B3-
0060,(00)035045800000002104,,,

A4. Packing — Aggregation (SSCC into Pallet SSCC)

```
seqNo,Bizstep,eventTime,timeOffset,readPointGLN,bizLocationGLN,epc,Parent,import,expiryDate,manufDate
132,packing,2026-03-05T12:30:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002012,(00)035045800000002111,,
133,packing,2026-03-05T12:30:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002029,(00)035045800000002111,,
134,packing,2026-03-05T12:30:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002036,(00)035045800000002111,,
135,packing,2026-03-05T12:30:00.000Z,+04:00,5413868000009,5413868000009,(00)035045800000002043,(00)035045800000002111,,
```