

# TapeTrack Reconciliation Report

The TapeTrack Reconciliation Report is created by the Command Line Program [TMSS10Reconcile](#).

The program runs in 4 sequential phases:

- **Phase 1** Load of the TapeTrack Scan-Map from a Scan File.
- **Phase 2** Reconciliation of the Scan-Map.
- **Phase 3** Listing of unreferenced Scan-Map items.
- **Phase 4** Report Production.

## Report Input

### TapeTrack Customer Status

| ID       | Current Location | Target Location | Flags  | Move Time | Due in      | Container  | Next Move |
|----------|------------------|-----------------|--------|-----------|-------------|------------|-----------|
| 000001L3 | Library          |                 | CnNt   |           | Unspecified | Unassigned | Permanent |
| 000002L5 | Offsite Vault    |                 | CnNOt  |           | Unspecified | Unassigned | Permanent |
| 000003L5 | Offsite Vault    | Library         | CMnNtZ | M37:17    | Unspecified | Unassigned | Permanent |
| 000004L6 | Offsite Vault    | Library         | CMnNtZ | M37:17    | Unspecified | Unassigned | Permanent |
| 000005L6 | Offsite Vault    | Library         | CMnNtZ | M36:43    | Unspecified | Unassigned | Permanent |
| 000006L6 | Library          |                 | CnN    |           | Unspecified | Unassigned | Permanent |
| 000007L6 | Library          |                 | CnNt   |           | Unspecified | Unassigned | Permanent |
| 000008L6 | Offsite Vault    |                 | CnNOt  |           | Unspecified | Unassigned | Permanent |
| 000009L6 | Offsite Vault    |                 | CnNOt  |           | Unspecified | Unassigned | Permanent |
| 000010L6 | Library          |                 | CnN    |           | Unspecified | Unassigned | Permanent |

### Scan File

```

reconcile_2017-11-29.txt - Notepad
File Edit Format View Help
US04.LT0.000002L5
US04.LT0.000003L5
US04.LT0.000004L6
US04.LT0.000005L6
US04.LT0.000009L6
US04.LT0.000010L6
US04.LT0.111111L6

```

## Report Sections

### Load of Scan-Map

The purpose of this phase is load a [TapeTrack Scan-File](#) and resolve each of the a Scan-File Entries into a [Fully Qualified TapeTrack Barcode](#).

As the [Scan-File](#) is loaded, a [Scan-Map](#) is created.

Alternatively, rather than loading the [Scan-Map](#) from a Scan-File, the [TapeTrack Import Engine](#) can be used to load the [Scan-Map](#). This facilitates loading from Fixed Length Reports, CSV Files and ODBC Data Sources.

The Fully Qualified TapeTrack Barcode can be resolved from an [Unqualified Barcode](#) or an [Extended Attribute](#).

| System: TapeTrack  |        |                     |                   |
|--|--------|---------------------|-------------------|
| Report Description: Phase 1: Load Scan-Map from Scan-File                      |        |                     |                   |
| Production Time: Monday, March 19, 2018 - 10:09:27 (AUS Eastern Daylight Time) |        |                     |                   |
| Report Width: 149 bytes  |        |                     |                   |
| Seq.   | Record | Barcode             | Resolved As       |
| Status   | Notes  |                     |                   |
| OK   | 1      | 1 US04.LT0.000002L5 | US04.LT0.000002L5 |
| OK   | 2      | 2 US04.LT0.000003L5 | US04.LT0.000003L5 |
| OK   | 3      | 3 US04.LT0.000004L6 | US04.LT0.000004L6 |

|    |   |   |                   |                   |
|----|---|---|-------------------|-------------------|
| OK | 4 | 4 | US04.LT0.000005L6 | US04.LT0.000005L6 |
| OK | 5 | 5 | US04.LT0.000009L6 | US04.LT0.000009L6 |
| OK | 6 | 6 | US04.LT0.000010L6 | US04.LT0.000010L6 |
| OK | 7 | 7 | US04.LT0.111111L6 | US04.LT0.111111L6 |

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### Reconcile of TapeTrack Volumes

The purpose of this phase is to list all of the [volumes](#) that are either in, moving to, or unexpected in the specified [repository](#).

The following statuses may result:

- **Reconciled** if the [volume](#) is in the target [repository](#), is in the [scan-map](#) and not moving.
- **Reconciled (Confirmed)** if the [volume](#) is moving into the specified [repository](#) and is in the [scan-map](#). The Volume will be Confirmed in the TapeTrack database.
- **Absent from Scan-Map** if the [volume](#) is confirmed into the specified [repository](#) and is not present in the [scan-map](#). An Audit Flag will be assigned to the Volume.
- **Pending Confirmation** if the [volume](#) is in a move status out from the specified [repository](#) and is not overdue at the target [repository](#).
- **Overdue at Target** if the [volume](#) is in a move status to the specified [repository](#), is not in the Scan-Map and is now overdue at the target [repository](#).
- **Unexpected in Scan-Map** Present in the [scan-map](#) but not present at, or moving to, the target [repository](#).



Report headings and spacing have been edited to fit information on web formatting

System: TapeTrack  
 Report Description: Phase 2: Reconcile TapeTrack Volumes against Scan-Map  
 Report Notes: Repository OFFS  
 Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight Time)  
 Report Width: 169 bytes

| Seq | Barcode           | Current Rep   | Target Rep | Move Time | Overdue |
|-----|-------------------|---------------|------------|-----------|---------|
| 1   | US04.LT0.000002L5 | Offsite Vault |            |           | No      |
| OK  | Reconciled        |               |            |           | Yes     |
| 2   | US04.LT0.000003L5 | Offsite Vault | Library    | H1:10:39  | No      |
|     |                   |               |            |           | Yes     |

|        |                        |               |         |          |    |     |  |
|--------|------------------------|---------------|---------|----------|----|-----|--|
| OK     | Pending confirmation   |               |         |          |    |     |  |
| 3      | US04.LT0.000004L6      | Offsite Vault | Library | H1:10:39 | No | Yes |  |
| OK     | Pending confirmation   |               |         |          |    |     |  |
| 4      | US04.LT0.000005L6      | Offsite Vault | Library | H1:10:05 | No | Yes |  |
| OK     | Pending confirmation   |               |         |          |    |     |  |
| 5      | US04.LT0.000008L6      | Offsite Vault |         |          | No | No  |  |
| NOT-OK | Absent from Scan-Map   |               |         |          |    |     |  |
| 6      | US04.LT0.000009L6      | Offsite Vault |         |          | No | Yes |  |
| OK     | Reconciled             |               |         |          |    |     |  |
| 7      | US04.LT0.000010L6      | Library       |         |          | No | Yes |  |
| NOT-OK | Unexpected in Scan-Map |               |         |          |    |     |  |
| -----  |                        |               |         |          |    |     |  |
| -----  |                        |               |         |          |    |     |  |

Following the example data at the top of page we have:

- **Volumes** 000002L5 and 000009L6 are referenced as **Reconciled** as they are in the **Scan-Map**, and confirmed in the current **repository** (Offsite Vault).
- **Volumes** 000003L5, 000004L6 and 000005L6 are referenced as **Pending confirmation** as they are in the **Scan-Map**, and in a move from the current **repository** but not yet confirmed at the target **repository**.
- **Volumes** 000008L6 is referenced as **Absent from Scan-Map** as it appears in TapeTrack as at the current **repository** but is absent from the **Scan-Map**. This shows the volume is either somewhere it shouldn't be or is missing and as such is given a status of **NOT-OK** and is given an audit flag for further investigation.
- **Volume** 000010L6 is referenced as **Unexpected in Scan-Map** as it is present in the **Scan-Map** as being at the current **repository** but shown in TapeTrack as being confirmed at another **repository**. As such is given a status of **NOT-OK** and is given an audit flag for further investigation.

### Unreferenced Scan-Map Entries

This report shows **volumes** that are in the **Scan-Map**, but are not known to TapeTrack.

```

System: TapeTrack
Report Description: Phase 3: Unreferenced Scan-Map entries
Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
Report Width: 29 bytes

Seq.   Barcode
-----
      1 US04.LT0.111111L6
-----

```

Reasons for this error could be:

- **Volume** does not belong to you but has been included with your volumes by operator error.

- Manually produced scan file with a typo on a [Volume ID](#).
- Volume added to inventory but not entered into TapeTrack.

## Reconciliation Statistics

This report shows the final statistics for the Reconciliation process.

```

System: TapeTrack
Report Description: Phase 4: Reconciliation Statistics
Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight
Time)
Report Width: 75 bytes

```

| Metric  | Count |
|---|-------|
| Phase 1: Read from Scan-File                  | 7     |
| Phase 1: Loaded successfully from Scan-File   | 7     |
| Phase 1: Loaded unsuccessfully from Scan-File | + 0   |
| Phase 2: Reconciled                           | 2     |
| Phase 2: Reconciled (Confirmed)               | 0     |
| Phase 2: Confirmation Bypass                  | 0     |
| Phase 2: Pending confirmation                 | 3     |
| Phase 2: Out of scope                         | 3     |
| Phase 2: Absent from Scan-Map                 | + 1   |
| Phase 2: Unexpected in Scan-Map               | + 1   |
| Phase 2: Overdue at subject repository        | + 0   |
| Phase 2: Overdue at target repository         | + 0   |
| Phase 3: Unreferenced Scan-Map items          | + 1   |
| Phase 4: Total Errors                         | 3     |

### Phase 1

Reads in [volume](#) ID's from the scan file, parses them (depending on format) into Customer ID, Media ID and [volume](#) ID. Metrics are then displayed as the number of volumes successfully and unsuccessfully loaded ready for reconciliation in phase two.

With the example data, all 7 entries were successfully loaded as fully qualified barcodes from the scan file into the scan-map ready for reconciliation.

### Phase 2

**Reconciled** shows number of [volumes](#) present in scan-map and confirmed at subject [repository](#).

**Reconciled (Confirmed)** shows number of **volumes** confirmed into subject **repository** that were in a move to there and present in scan-map.

**Confirmation Bypass** (set as an attribute in **TMSS10Reconcile**) shows the number of **volumes** moving to subject **repository** and present in scan-map but not confirmed.

**Pending confirmation** shows number of **volumes** present in scan-map, in a move status out of subject **repository** and yet to be confirmed at target **repository**.

**Out of scope** shows the number of **volumes** in the customers inventory that are not referenced in the scan-map and are listed in TapeTrack as being not confirmed in, moving to or from the subject **repository**.

**Absent from Scan-Map** show the number of **volumes** expected to be either in, moving to or moving from the subject **repository** that are not listed in the scan-map.

**Unexpected in Scan-Map** shows the number of **volumes** present in the scan-map that, in TapeTrack, are not present in, moving to or moving from the subject **repository**.

**Overdue at subject repository** shows the number of **volumes** present in the scan-map that are moving to the subject **repository** but have exceeded the time threshold to complete the move.

**Overdue at target repository** hows the number of **volumes** present in the scan-map that are moving from the subject **repository** but have exceeded the target **repository**'s time threshold to complete the move.

### Phase 3

**Unreferenced Scan-Map Items** shows the number of **volumes** that are present in the **Scan-Map** but don't exist within the customers target media.

### Phase 4

**Total Errors** shows the total accumulated errors from the reconciliation process.

## Movement Aging Report

This report shows statistics on **volumes** that remain in a move status after the reconciliation has completed.

| System: TapeTrack  |          |          |
|--|----------|----------|
| Report Description: Phase 4: Movement Aging Report                             |          |          |
| Production Time: Monday, March 19, 2018 - 10:21:34 (AUS Eastern Daylight Time) |          |          |
| Report Width: 40 bytes   |          |          |
| Duration   | Incoming | Outgoing |
| -----  | -----    | -----    |
| less than 1 day  | 0        | 3        |
| less than 2 days   | 0        | 0        |
| less than 3 days   | 0        | 0        |
| less than 4 days   | 0        | 0        |

|                  |   |   |
|------------------|---|---|
| less than 5 days | 0 | 0 |
| less than 6 days | 0 | 0 |
| less than 7 days | 0 | 0 |
| less than 8 days | 0 | 0 |
| less than 9 days | 0 | 0 |
| 9 or more days   | 0 | 0 |
| -----            |   |   |

In the example data, these are the [volumes](#) 000003L5, 000004L6 and 000005L6 which are in a move status (one day) out of the subject [repository](#) but not yet confirmed into their target [repository](#).

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