

# 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 resolved 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 |
| OK |   |   |                   |                   |

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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 placed on 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 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 |
|---------|----------------------|---------------|------------|-----------|---------|
| Scanned | Status               | Notes         |            |           |         |
| 1       | US04.LT0.000002L5    | Offsite Vault |            |           | No Yes  |
| OK      | Reconciled           |               |            |           |         |
| 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 mtatus 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 out of the subject repository but not yet confirmed into their target repository.

From:  
<https://rtfm.tapetrack.com/> - **TapeTrack Documentation**

Permanent link:  
<https://rtfm.tapetrack.com/reports/reconciliation?rev=1522893019>

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