

# 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

| Inventory <span>DR Strategies</span> <span>Data Clusters</span> <span>Simple Management</span> <span>Uploaded Files</span> |                  |                 |           |            |             |            |           |  |
|----------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------|------------|-------------|------------|-----------|--|
| Volumes                                                                                                                    |                  |                 |           |            |             |            |           |  |
| ID                                                                                                                         | Current Location | Target Location | Flags     | Move Time  | Due in      | Container  | Next Move |  |
| Enter text h...                                                                                                            | Enter text he... | Enter text ...  | Enter ... | Enter t... | Enter t...  | Enter t... | Enter ... |  |
| 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



## 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](#). <sxh plain;>

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 |

|    |   |                   |                   |
|----|---|-------------------|-------------------|
| 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 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

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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.LTO.000008L6 Offsite Vault No No NOT-OK Absent from Scan-Map 6 US04.LTO.000009L6 Offsite Vault No Yes OK Reconciled 7 US04.LTO.000010L6 Library No Yes NOT-OK Unexpected in Scan-Map - -----</sxh>

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.



Status strings (Reconciled, Reconciled (Confirmed) etc) may be customized using [TMSRECONCILETEXT](#) variables

### Unreferenced Scan-Map Entries

This report shows [Volumes](#) that are in the [Scan-Map](#), but are not known to TapeTrack. <sxh plain;>

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.LTO.111111L6 — </sxh>

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.

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## 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
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```

**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**

Status strings (Reconciled, Reconciled (Confirmed) etc) may be customized using [TMSSRECONCILETEXT](#) variables

- **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** shows 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.

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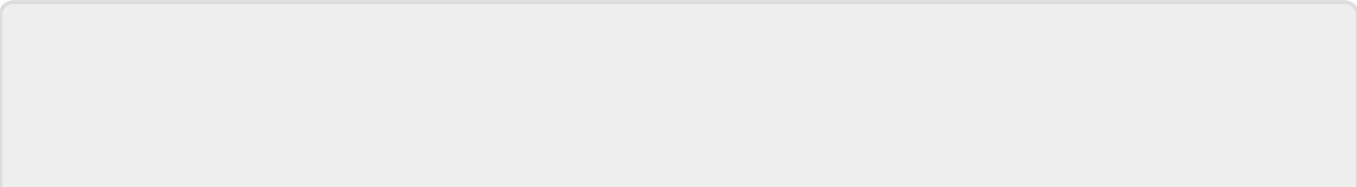
System: TapeTrack

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 ----- </sxh>

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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