

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 to 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 |
| OK | | | | |

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 |
|---------|----------------------|---------------|------------|-----------|---------|
| 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.



Status strings 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.

```

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



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

```

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](#).

[update doco](#)

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