# **TapeTrack Reconciliation Report**

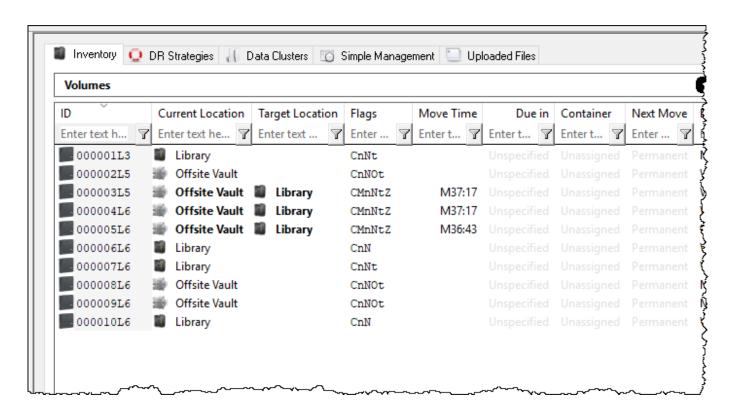
The TapeTrack Reconciliation Report is created by the Command Line Program TMSS10Reconcile.

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**



#### Scan-File

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```
File Edit Format View Help

US04.LT0.000002L5

US04.LT0.000003L5

US04.LT0.000004L6

US04.LT0.0000095L6

US04.LT0.000009L6

US04.LT0.0000010L6

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
      Record Barcode
                                                     Resolved As
Seq.
Status Notes
-----
            1 US04.LT0.000002L5
                                                     US04.LT0.000002L5
0K
     2
            2 US04.LT0.000003L5
                                                     US04.LT0.000003L5
0K
                                                     US04.LT0.000004L6
     3
            3 US04.LT0.000004L6
0K
```

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0K	4	4 US04.LT0.000005L6	US04.LT0.000005L6
	5	5 US04.LT0.000009L6	US04.LT0.000009L6
0K	6	6 US04.LT0.000010L6	US04.LT0.000010L6
0K 0K	7	7 US04.LT0.111111L6	US04.LT0.111111L6

# **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 T Scanned Status Notes	Time Overdue							
1 US04.LT0.000002L5 Offsite Vault OK Reconciled 2 US04.LT0.000003L5 Offsite Vault Library H1:10	No Yes 0:39 No Yes							

OK Pending cor	firmation				
3 US04.LT0.000004	L6 Offsite Vault	Library	H1:10:39	No	Yes
OK Pending cor	firmation				
4 US04.LT0.000005	L6 Offsite Vault	Library	H1:10:05	No	Yes
OK Pending cor					
5 US04.LT0.000008	L6 Offsite Vault			No	No
NOT-OK Absent from	•				
6 US04.LT0.000009	L6 Offsite Vault			No	Yes
OK Reconciled					
7 US04.LT0.000010	•			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 TMSSRECONCILETEXT 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
```

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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
                                                          Count
Metric
Phase 1: Read from Scan-File
                                                                     7
                                                                     7
Phase 1: Loaded successfully from Scan-File
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
Phase 4: Total Errors
```

#### 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

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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.

System: TapeTrack

Report Description: Phase 4: Movement Aging Report

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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	Θ
less than 4 days	0	0
less than 5 days	0	0
less than 6 days	0	0
less than 7 days	0	Θ
less than 8 days	Θ	Θ
less than 9 days	Θ	Θ
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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