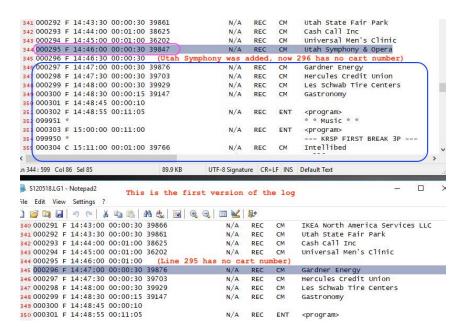# Why the outdated "line number" reconcile scheme is flawed

This reconcile scheme, first used in 1986 with Columbine and Sony Beta Max is still used today by traffic systems as in their "standard scheme" for reconciliation. It was contrived for TV but has been used in radio where log revisions are more common and it has proven itself **to be faulty** - specifically when the program log is revised and events are added or removed in the revision(s).

We see below a real example of a revision where after the first log (the lower portion of the below image) was produced - later a revision (above) was made which added a commercial event for the Utah Symphony. The number values down the left side are the traffic required "line numbers" which are simply allocated to the commercials in an ordinal manner, starting with 00001 and ascending to the last event. The traffic system requires the automation to retain those into the asrun data where it is assumed by the traffic system that each line number correctly corresponds to the event on the latest revision. Below it is easy to see that originally a blank line is line 000295, but after the addition of Utah Symphony it becomes line 000296 as each subsequent event's line number changed.

The problem occurs when these revisions are made because the original log was loaded and being played by automation and the changes were were performed manually. This creates a situation where the line numbers of of the automation's history only correspond to the original log. Even if a full remerge of music and reimport of the playlist, this still runs a risk of all events aired who's line number have changed, are reported erroneously as the unchangeable history of the automation will **no longer correctly correspond** to the line numbers now in traffic and **the entire remaining log is adversely affected**.

Power-Link 32 solves this issue by reconciling using the **last revision** of the log. This assures that the line numbers reported correspond correctly to the events. Also the reconcile is done using the cart numbers and their airtime, which are the logically correct referential fields to use in this accountability process.

The below image shows Power-Link's correct reconcile for this problematic situation as it correctly attributes cart 39847 to line 000295 as per the last revision of the log.

Without the Power-Link reconcile scheme - all subsequent events on this log would have been reported erroneously because each line number would have reported the wrong event airing by a factor of how many events were added or removed, thus potentially mis-marking events into the wrong contracted time range producing disastrously erroneous billing results.