

## Unduplication of Listing Data

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The Survey of Construction Listing Instrument (SOC LI) is a CAPI questionnaire that is designed to collect a list of up to 2400 building permits and their associated information from a given Building Permit Office. It also conducts sampling on that list of permits. One requirement of the SOC LI is to check a newly entered permit number to make sure it is not a duplicate of any previously entered permit numbers.

This paper will detail the various approaches taken to accomplish unduplication using Blaise, including the challenges that were faced with each design. The approaches included:

- Using a procedure within the listing table that is called after the permit number is entered to compare the current line to all of the lines above it.
- Using a Manipula script that would run after the user indicates they are done listing, using the same kind of comparison.
- Using the Blaise API to connect the instrument via an alien router to a DLL built in Visual Basic 6 to perform the unduplication using the same kind of comparison.

The paper will also discuss why the Blaise API was selected for unduplication and bundled with another helper program for the SOC LI, the SONC Builder Table. This design allowed unduplication to be used in similar listing instruments being converted to Blaise during this time period with minimal change to the instrument design.