

## Map Update Management

ESEA's MapMerger Detective enables the easy reconciliation of your data edits that depict ground truth with the latest purchased data release.

With each new data release, our MapMerger Detective can be configured to:

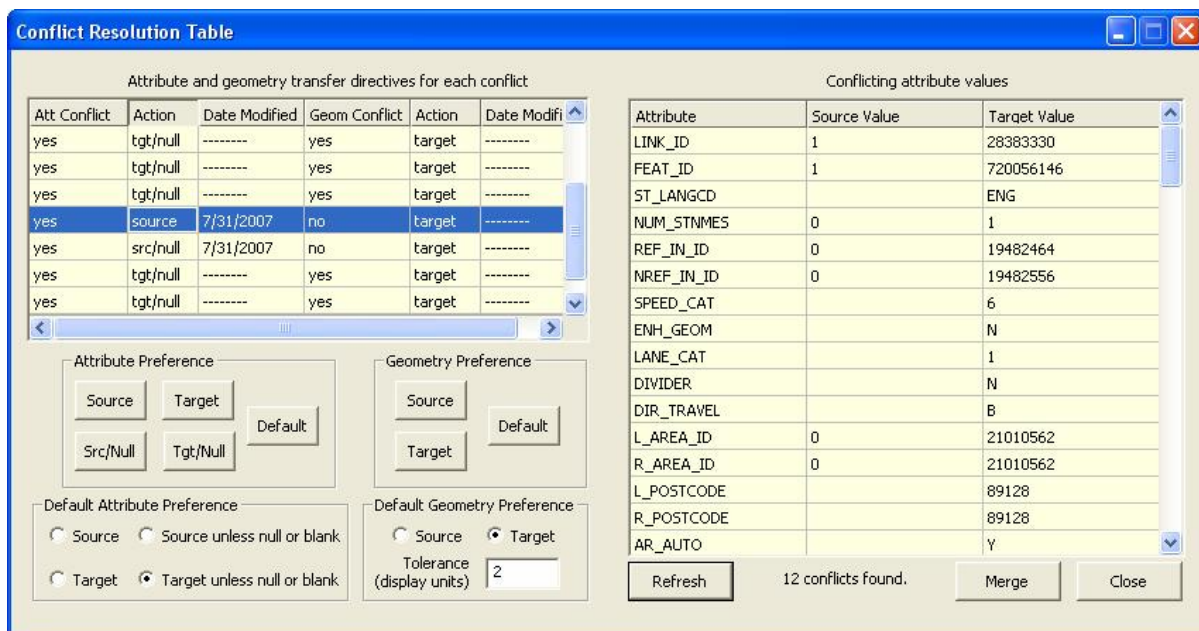
- Automatically identify attribute conflicts
- Step through and resolve conflicts individually or in batch
- Save decisions and apply them automatically to the next data release

### Synchronizing data edits with new map vendor updates

**PROBLEM:** Street data purchased from map vendors is often edited to achieve the current ground-truth accuracy that is required for routing. This creates a problem when a new update from the map vendor is made available since it is possible that some of your data edits will not appear in the new update. Replacing your data with the update may cause some of the edits to be lost. Conversely, keeping your current version will cause you to lose updates made by the map vendor.

**SOLUTION:** ESEA's MapMerger Detective enables you to reconcile your existing version with the new update purchased from the map vendor. MapMerger Detective automatically guides the user to each conflict between the existing and the new data set and provides a way to determine how each conflict should be resolved.

Decisions can be saved and reapplied to the next map update saving you valuable time and resources.



**Conflict Resolution Table**

Attribute and geometry transfer directives for each conflict

Att Conflict	Action	Date Modified	Geom Conflict	Action	Date Modified
yes	tgt/null	-----	yes	target	-----
yes	tgt/null	-----	yes	target	-----
yes	tgt/null	-----	yes	target	-----
yes	source	7/31/2007	no	target	-----
yes	src/null	7/31/2007	no	target	-----
yes	tgt/null	-----	yes	target	-----
yes	tgt/null	-----	yes	target	-----

Conflicting attribute values

Attribute	Source Value	Target Value
LINK_ID	1	28383330
FEAT_ID	1	720056146
ST_LANGCD		ENG
NUM_STNMES	0	1
REF_IN_ID	0	19482464
NREF_IN_ID	0	19482556
SPEED_CAT		6
ENH_GEOM		N
LANE_CAT		1
DIVIDER		N
DIR_TRAVEL		B
L_AREA_ID	0	21010562
R_AREA_ID	0	21010562
L_POSTCODE		89128
R_POSTCODE		89128
AR_AUTO		Y

Attribute Preference: Source, Target, Default, Src/Null, Tgt/Null

Geometry Preference: Source, Target, Default

Default Attribute Preference:  Source  Source unless null or blank  Target  Target unless null or blank

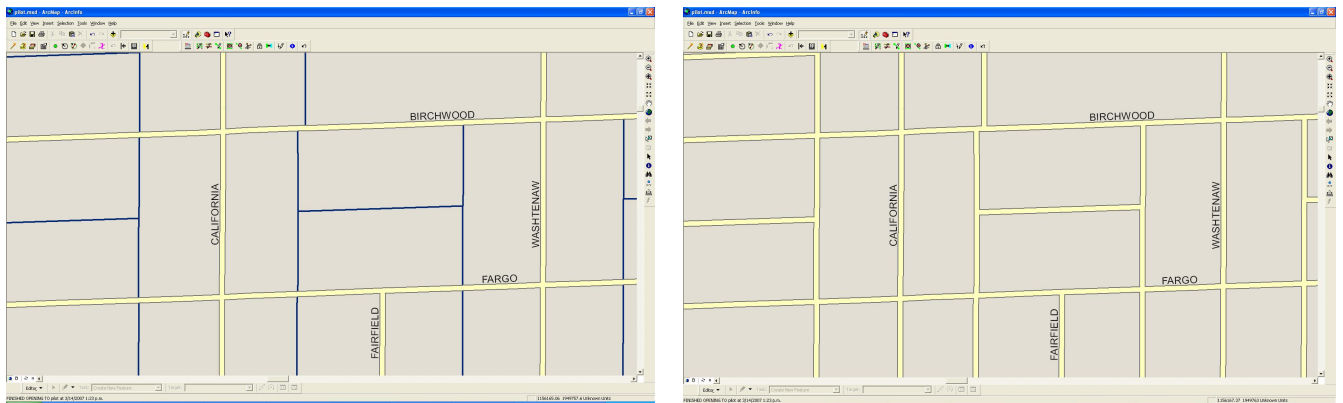
Default Geometry Preference:  Source  Target Tolerance (display units): 2

Refresh 12 conflicts found. Merge Close

### Adding alleyways for routing applications

**PROBLEM:** A waste management company would like to add an alley data set obtained from a local municipality to their vendor supplied street data to enable better routing for collection services.

**SOLUTION:** MapMerger Detective can easily add and connect the alleyways to their street network while ensuring that existing address ranges are split appropriately. This process, which is almost entirely automatic, can be repeated for little cost each time a new update is received from the data vendor.



Alleys (blue) are added to a street layer (yellow) for routing applications.

***Whether you prefer to work in-house or outsource,  
Rely on ESEA technology and expertise.***

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