STATE OF THE BINS

March 5, 2024

NYC Emergency Management

GIS/Data Liaison Meeting

BIN 101

- What is a BIN?
- Why are BINs the best identifiers for building-related data?
- How do I get the BIN for a building?
- How are BINs created and maintained?
- When are BINs deleted?
- How often is BIN data updated in the Property Address Directory?
- Why is this BIN mostly zeros?
- What is a dummy BIN?
- Are BINs only assigned to buildings?
- What else should I know about BINs?

BIN WORKING GROUP

- Convened by the Mayor's Office of Operations in June, 2012

- The BIN Working Group met once a month for seven months to
  - Document stakeholders' uses of BBLs, BINs and addresses
  - Identify systemic problems
  - Discuss ways to improve communication and coordination between BIN stakeholders

- The Working Group's objective was to generate two deliverables
  - A set of process flows documenting the different stakeholders' processes.
  - A set of recommendations detailing next steps and identifying resources needed to sustain and improve the accuracy of the City's BIN data.

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WORKING GROUP MEMBERS

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MISSING BINS

1A. The DCP Geographic Systems Section requires resources to research and assign missing BINs to the Property Address Directory (PAD) file and ensure that BINs align with building footprints and CSCL address ranges.

- During the summers of 2013 and 2014, NYCEM provided funding for DCP interns to research and assign BINs to ~100,000 buildings.
- OTI's building footprints dataset no longer has any million BINs (e.g., 2000000).
- Improved communication between DCP and OTI and quarterly checks by DCP ensure that million BINs don't creep into the data.
- When a million BIN is returned by Geosupport or found in PAD, it indicates that there is no building at the address specified.

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DUMMY BINS

1C. The DOB BIS Unit requires resources to research and address the backlog of Dummy BINs.

- BINs were initially only issued for completed buildings, but DOB needed a BIN to issue a construction permit.
- For new construction, DOB created a dummy BIN. These BINs have an "8" in the second place, e.g., 280045.
- Dummy BINs are internal to DOB and are not recognized by Geosupport.
- DCP subsequently created the Transitional PAD (TPAD) file and the BIN on Demand application, so that DOB could create a Transitional BIN (TBIN) for new construction.
- DOB continues to create dummy BINs for special circumstances, but this has been sharply restricted in the last year.
- *Older buildings in DOB's Building Information System may still be assigned to a dummy BIN.*

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RECYCLED BINS

3A. DOB and DCP should commence the second phase of BIN on Demand to address BIN assignment rules for when buildings replace other buildings with the same address.

- When a developer asks for a new construction permit using the address of an existing building, the BIN for the existing building is used for the permit.
- Goal is to retire the old BIN when the building is demolished and assign a new TBIN for the replacement building.
- Currently, the permit for the new building is still issued with the existing BIN, but when the old building is demolished, DCP retires the BIN. DOB marks the BIN as obsolete. Until a new TBIN is created, the developer cannot get any new permits or schedule any inspections for the site.
- *There's no feasible way to find and correct BINs that were recycled in the past.*

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MORE FREQUENT UPDATES

4B. DCP should increase the frequency of updates to the PAD file.
4C. DCP should provide Desktop Edition and mainframe updates at the same time, including TPAD updates on a weekly basis

- DCP releases four Geosupport versions every year, in February, May, August, and November
- Starting in 2018, DCP releases biweekly intracycle updates to PAD data. These consist of updated TPAD and UPAD files with changes since the last quarterly release
  - TBINs created by DOB
  - Certificates of occupancy
  - Building demolitions
  - New addresses assigned by Borough Presidents' offices
  - Tax lot changes
  - Corrections
- Desktop updates are released the day after the Mainframe updates.

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OFFICIAL WEB SERVICE

4E. DCP should develop an official web service version of Geosupport with modernized API.

- DCP created <u>Geoservice</u>, which supports all Geosupport functions and data fields.
- OTI continues to support <u>Geoclient</u>, which contains logic for looking up a location using a single unparsed location field. It parses the location field and then makes one or more calls to Geosupport to retrieve data.

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IMPROVED COMMUNICATION BETWEEN DCP & DOB

5B. DCP and DOB should formalize the process for DCP to report errors in the Milestone Reports.

- Milestone reports are weekly reports from DOB with status updates on building permits.
- DCP reviews these reports for two kinds of updates:
  - Buildings that have received a certificate of occupancy – TBIN is added to PAD and removed from TPAD.
  - Buildings with a demolition permit that has been signed off by an inspector – BIN is retired from PAD.
- DCP reports any errors or inconsistencies in the Milestone reports to DOB on a regular basis. DOB works to resolve the issues.
  - Use of dummy BIN for new construction
  - Permit for a stand-alone garage that has the BIN of the main building on the lot

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NEED FOR GOVERNANCE

2A. The BINs Working Group should transition into a permanent Task Force chaired by the Mayor's Office.

- Draft report issued in the last year of the Bloomberg administration and no task force was created.
- Most of the remaining recommendations require governance and/or a mayoral task force to implement.
  - Changes to data structures
  - Changes to agency procedures
  - Additional resources for data clean-up
  - Working with property owners not subject to City's jurisdiction
  - Working with the Borough Presidents

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