

2020 Census Program Management Review

2015 Address Validation Test

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January 9, 2015



Outline

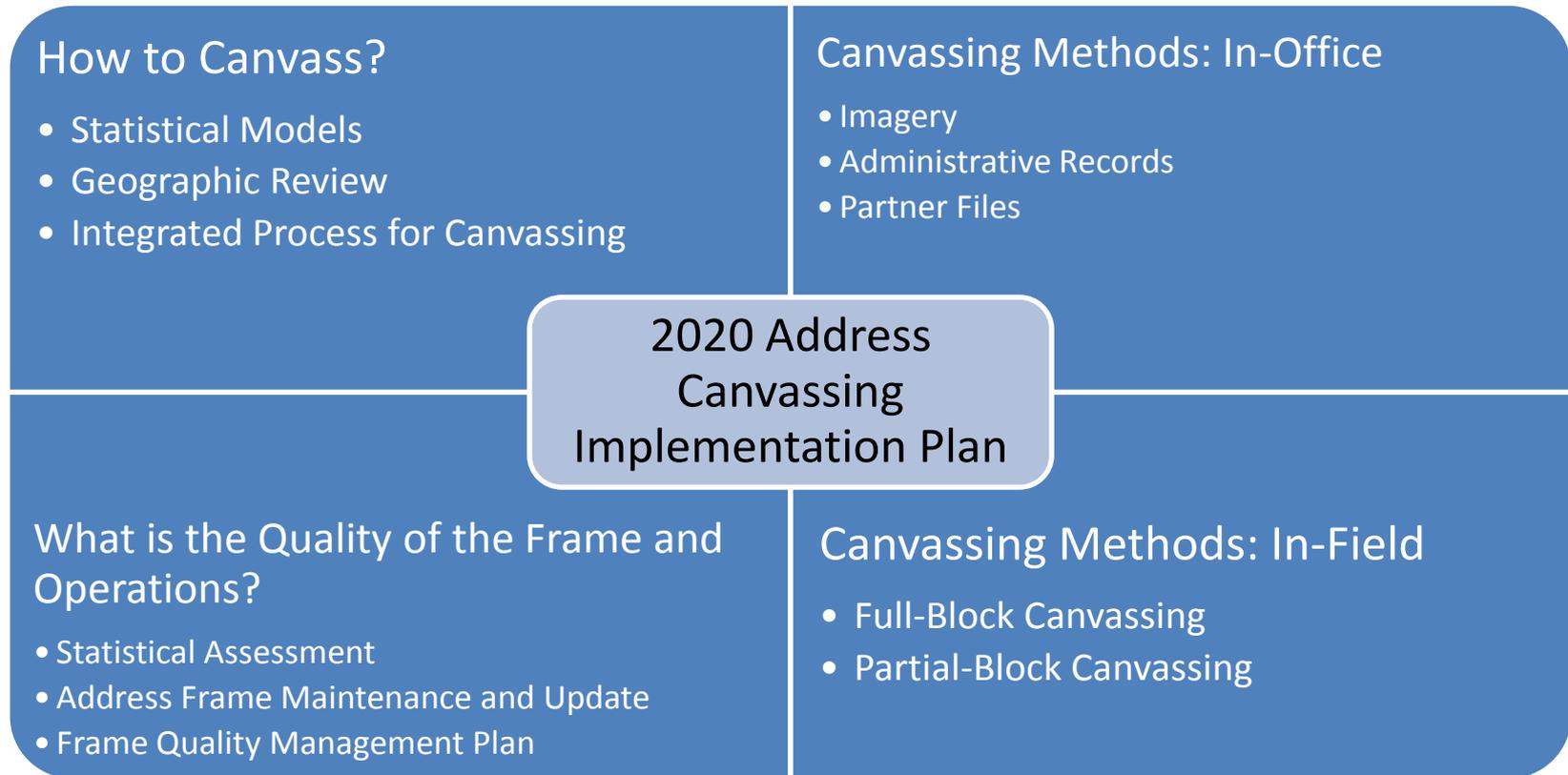
- Overview of 2020 Address Canvassing

- Update on Address Validation Test
 - MAF Model Validation Test

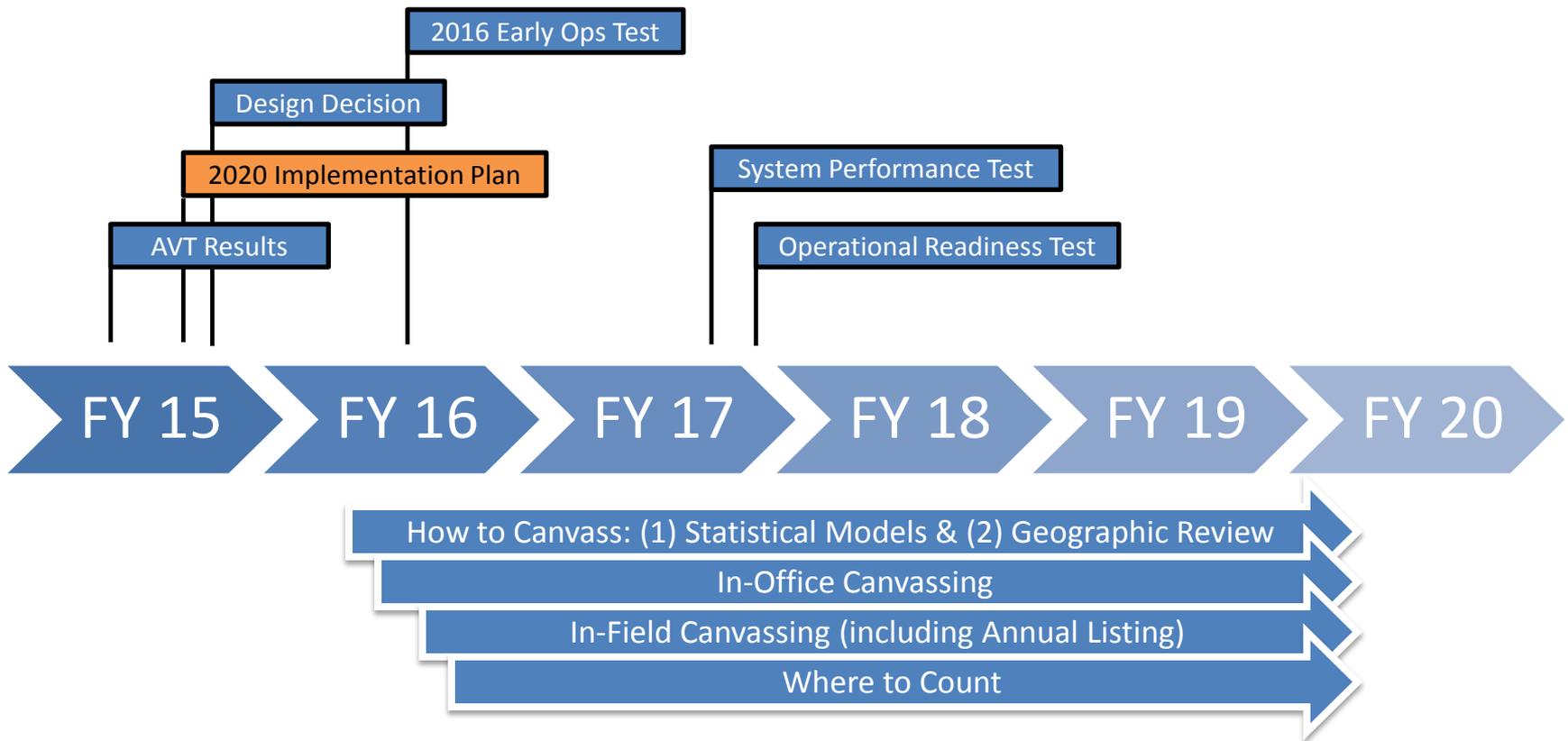
 - Partial-Block Canvassing

2020 Address Canvassing

Program will implement a methodology to build an accurate list of addresses in each block to meet the objectives of the 2020 Census



2020 Address Canvassing Timeline





Address Validation Test

- MAF Model Validation Test (MMVT)
 - Use statistical modeling to estimate errors in MAF, and determine where to conduct In-Field Address Canvassing
 - Use geographic information and activities to determine where to conduct In-Field Address Canvassing
- Partial-Block Canvassing Test (PBC)
 - Conduct In-Field Partial-Block Canvassing in select portions of census blocks (as opposed to canvassing entire blocks)



MMVT – Expected Outcomes

- Compare Field Outcomes with Predictions from Statistical Models
 - Estimate total number of errors in MAF (quality)
 - Predict which blocks we would have selected for In-Field canvassing
 - Examine results in blocks with no addresses
- Review predictions based on aerial imagery and other sources (i.e., geographic review)
 - Next Steps:
 - Refine statistical models and geographic review process
 - Integrate statistical models and geographic review process



MMVT: Field Implementation

- National sample of 10,100 blocks, \approx 1.04 million addresses; stratified by size of block, with oversampling of larger blocks
- Production listing and listing check operations
- Verify, update, add, or delete addresses on the dependent list

MMVT: Key Milestones

Activity	Begin	End
Field Data Collection	September 2, 2015	December 18, 2014
Receive MMVT Data for Analysis	January 30, 2015	January 30, 2015
Analyze MMVT Data	February 2, 2015	May 1, 2015
Release Draft Report for Comment	May 1, 2015	May 15, 2015
Issue Final AVT Report		May 29, 2015



PBC – Expected Outcomes

- Can growth or change within a block be accurately isolated and listed while ignoring the stable portion of the block?
- Can listers efficiently follow instructions to list the block portion of interest?
- Can this be done without compromising address coverage in the MAF?
- Can this be done at a net cost savings when compared to a traditional listing operation?



PBC – Field Implementation

- 615 MMVT blocks
- 25-30 professional staff (mostly geographers)
- Using Census Bureau's corporate Listing and Mapping Application (LiMA)

PBC: Key Milestones

Activity	Begin	End
Conduct Interactive Review	August 12, 2014	October 17, 2014
Determine Blocks	August 12, 2014	November 6, 2014
List Block Portions	December 15, 2014	January 16, 2015
Conduct Quality Control Listing	December 15, 2014	February 20, 2015
Receive Data for Analysis	January 28, 2015	March 3, 2015
Analyze Data	January 28, 2015	April 30, 2015
Release Draft Report for Comment	May 1, 2015	May 15, 2015
Issue Final AVT Report		May 29, 2015

Thank You

- Send questions to the email address below.

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