

2020 Census 8. Address Canvassing Operation (ADC)

Version: 10.4 – Annotated Version v04 2017 -11-14

Revision Date: November 16, 2017



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Subject Matter Experts: Shawn Hanks, Karen Owens

Major Revision Change History

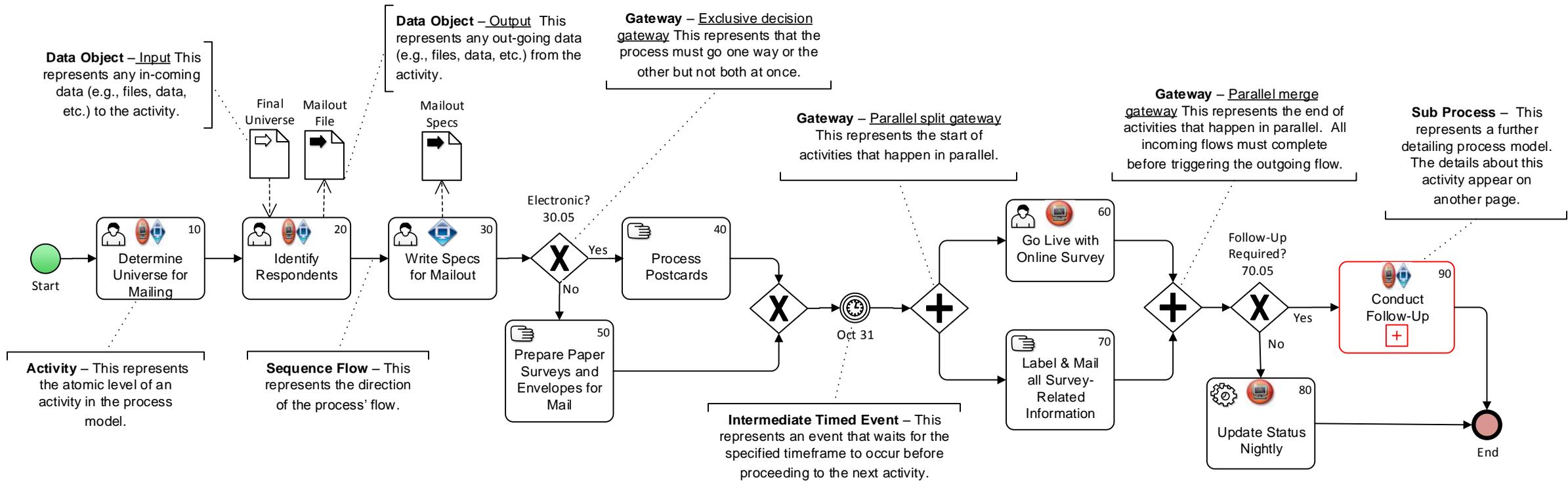
Date	Description	Author	Version #	Page #'s
03/14/2017	Changes to flow 85 & 85.50, MAFCS	C. Oyedokun/M. Edmonds	8.1	9, 11
03/21/2017	Changes to flow 35 & 40 In-office GQ Review	C. Oyedokun/M. Edmonds	8.2	7, 8
03/27/2017	Changes to flow 20, add flow 20.50.40, to flow 90	Monique Edmonds	8.3	4, 6, 13
03/28/2017	Remove flow 85.25 per AdCan IPT lead (Matt Frates)	Monique Edmonds	8.4	All
03/30/2017	General clean up	Monique Edmonds	8.5	All
3/31/2017	Baseline 9.0 per CR 215	Monique Edmonds	9.0	All
4/14/2017	Updated Context Model & Added 20.50.70	Chichi Oyedokun	9.1	3, 8
5/12/2017	Removed Activity 35 – Obtain GQ Address Records	Chichi Oyedokun	9.2	9
5/18/2017	Made changes to 40 Conduct In-Office GQ Review	Monique Edmonds	9.3	10
5/31/2017	Changes to QC on 85.50 and 90	Monique Edmonds	9.4	11, 12
6/29/2017	Changes to IOAC, 85.25 MAFCS & Trigger Flow	Monique Edmonds	9.5	4,8, 11
07/21/2017	Added systems, Updated 20.50.80, Remove 20.50.60	Monique Edmonds	9.6	All
07/25/2017	Updates per IPT	Monique Edmonds	9.7	All
07/31/2017	Updated 20.50.40, 20.50.50, 20.50.70.20.50.80	Monique Edmonds	9.8	6,7,8,9
08/07/2017	Baseline 10.0 per CR 425	Monique Edmonds	10.0	All
09/13/2017	Updates per ADC JAD session for CR 425	Monique Edmonds	10.1	All
10/19/2017	Move output files from 20.50.40.100 to .106	Monique Edmonds	10.2	6
11/01/2017	Updated Context Model, 20, 20.50.50, & 20.50.70	Monique Edmonds	10.3	3,4,7,8,9
11/16/2017	Updates per Mitre Annotated Version	Monique Edmonds	10.4	6,10

Reading and Understanding the Model

Example Activity Model

BPM Purpose

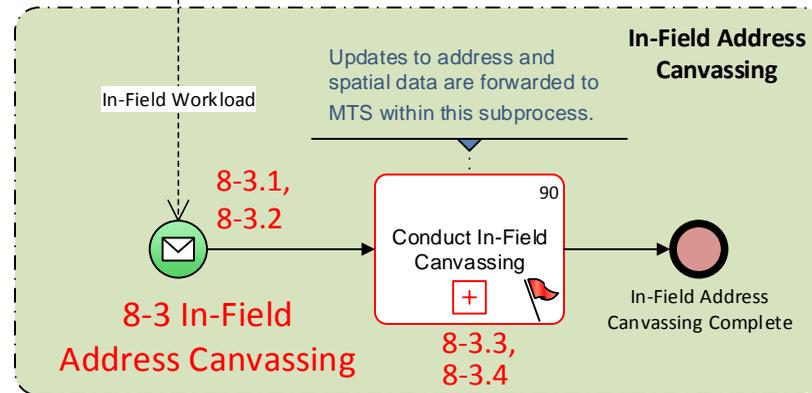
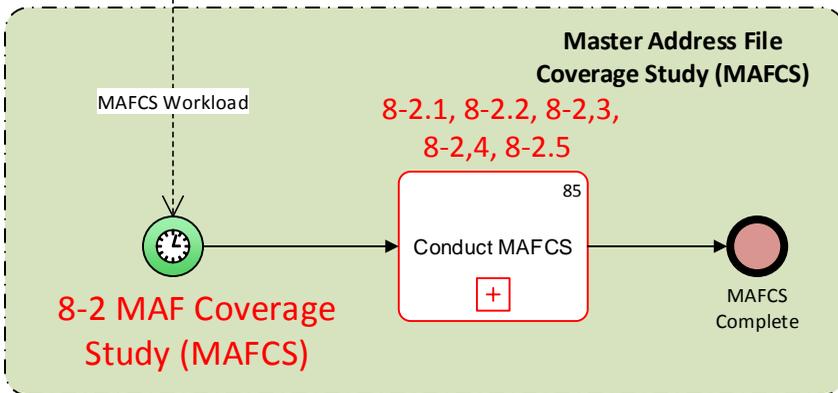
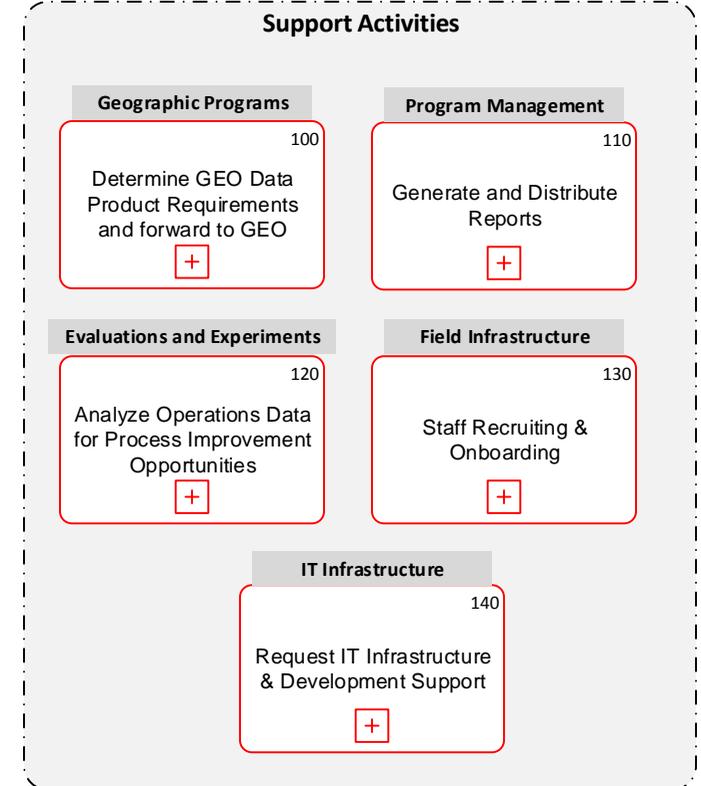
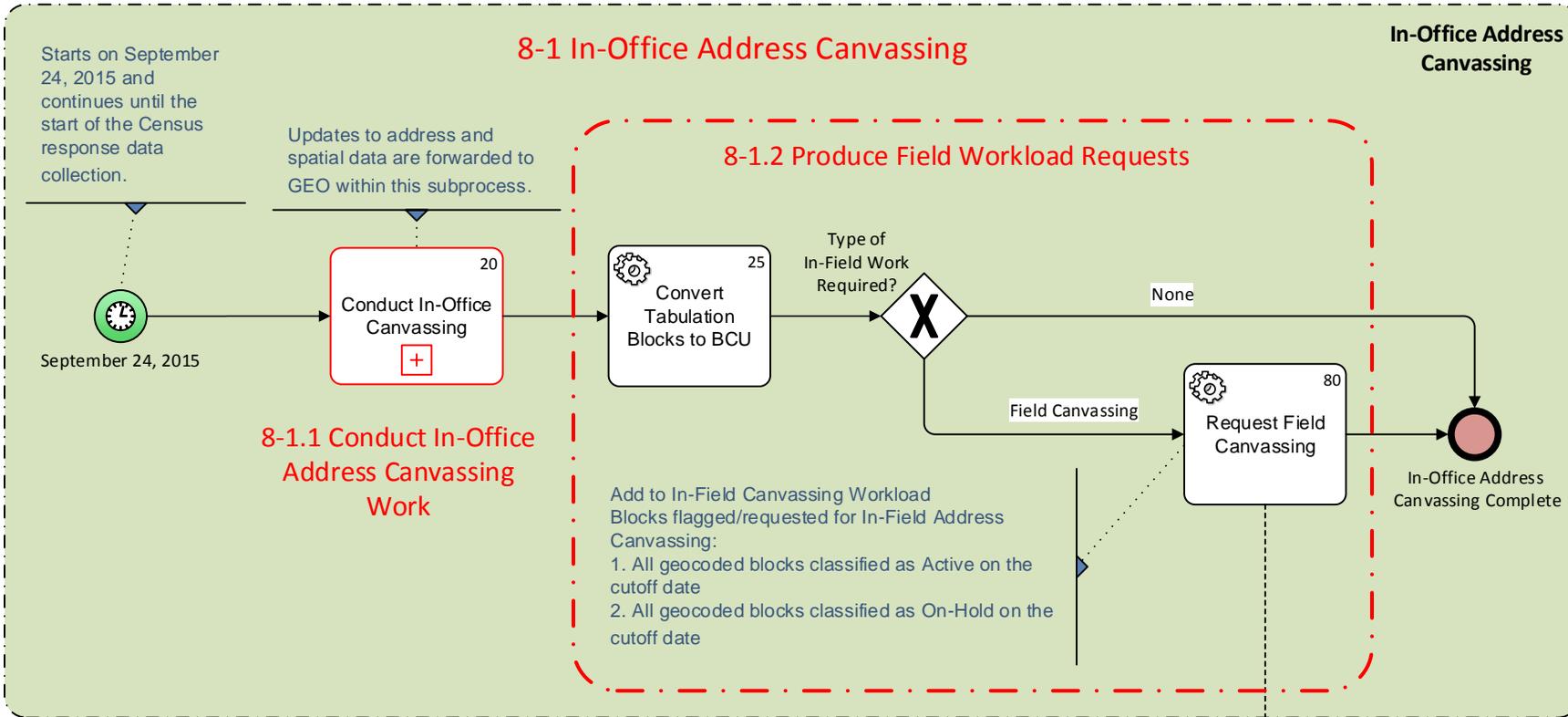
- Describe Census Operations business processes – activities, resources and key milestones
- Provide the details necessary for non-subject matter experts to understand the business process
- Contribute to the requirements development process
- Facilitate the linkage of business processes to IT capabilities
- Capture Operations inputs and outputs



Key:	Activities	Gateways	Data Objects	Other
Events	Activity at atomic level: 10	Exclusive:	Input:	Sequence Flow:
Start:	Activity containing a sub process: 20	Parallel:	Output:	Association:
End:	Optional Activity Numbering: 10	Event Based:	Data Store:	Annotation:
Intermediate Timed Event:	Activity involving: → USER interacting with a system or software: Activity			<small>This file is created by the SME before this process kicks off.</small>
Flow continued on another page:	→ MANUAL activity (no system/software involved): Activity			
Flow continued from another page:	→ SERVICE or batch processing: Activity			
	→ SENDING a message: Activity			
	→ RECEIVING a message: Activity			
	→ RECURRING steps: Activity			
	→ Any system developed specifically for Census' use: Activity			
	→ Any commercial-off-the-shelf (COTS) products: Activity			
	→ Both a system developed specifically for Census' use <u>and</u> COTS products: Activity			

2020 Census 8. Address Canvassing Operation (ADC)

Purpose: To deliver a complete and accurate address list and spatial database for enumeration and determine the type and address characteristics for each living quarter.

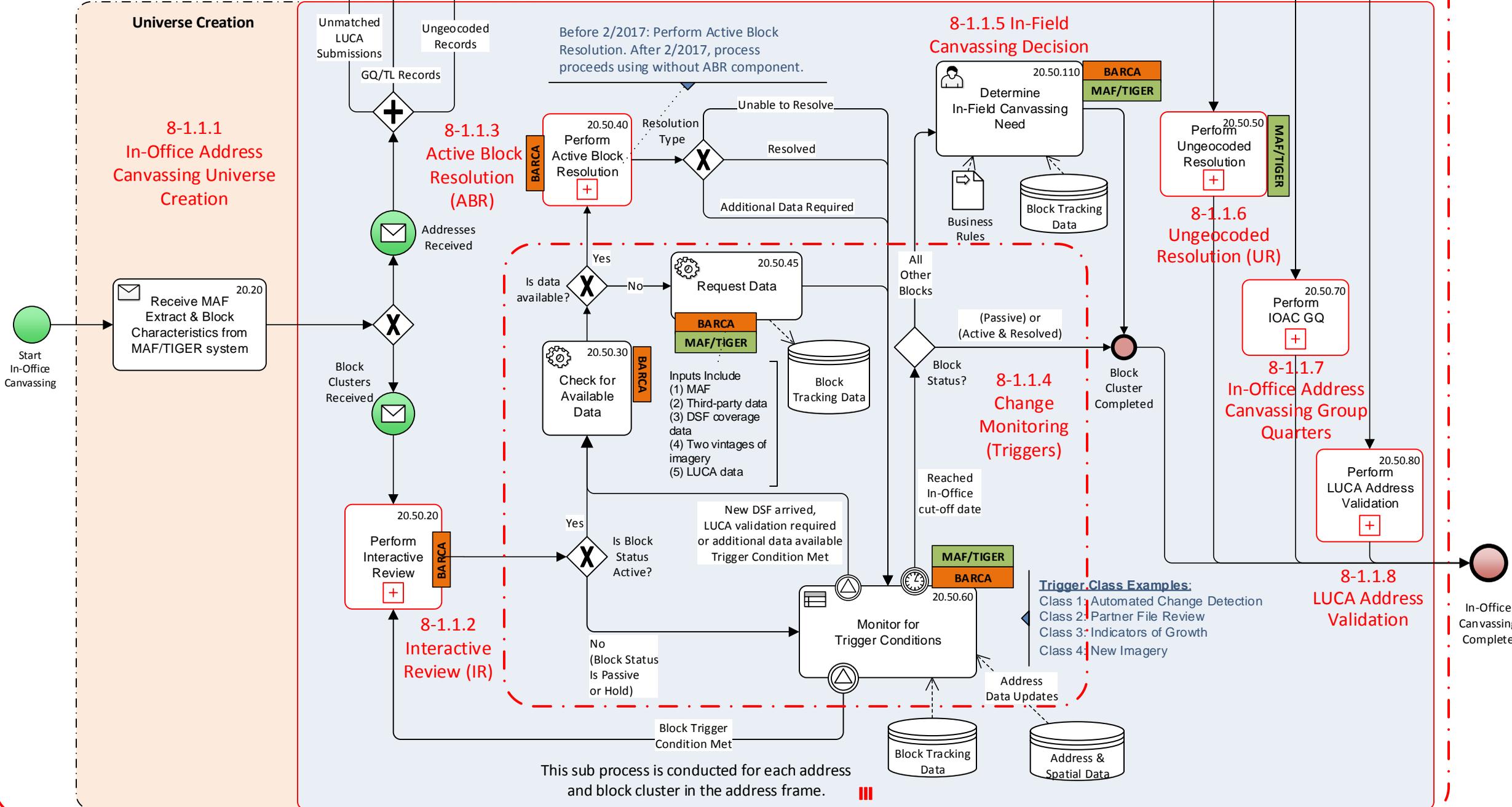


- 8-2.1 MAFCS Data Inputs and Sample Selection
- 8-2.2 MAFCS Field Staffing Needs
- 8-2.3 MAFCS Field Data Collection Work (including QC)
- 8-2.4 MAFCS Final Outputs
- 8-2.5 MAFCS Estimation and Analysis
- 8-3.1 In-Field Canvassing Data Inputs
- 8-3.2 In-Field Canvassing Staffing Needs
- 8-3.3 In-Field Address Canvassing Fieldwork (including QC)
- 8-3.4 In-Field Address Canvassing Final Outputs

20 Conduct In-Office Address Canvassing (IOAC)

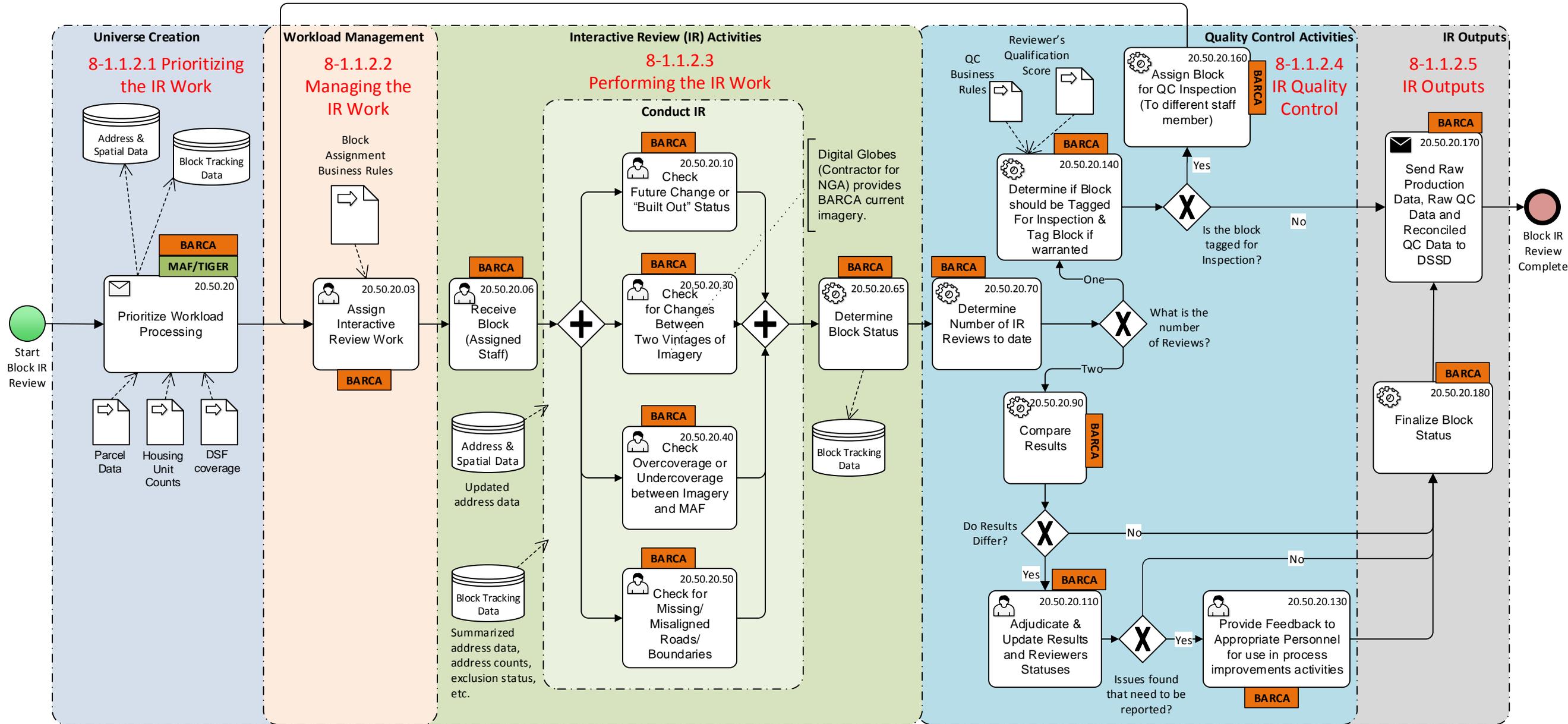
Purpose: To use empirical geographic evidence to assess and update each address and block cluster in the address frame.

8-1.1 Conduct In-Office Address Canvassing Work



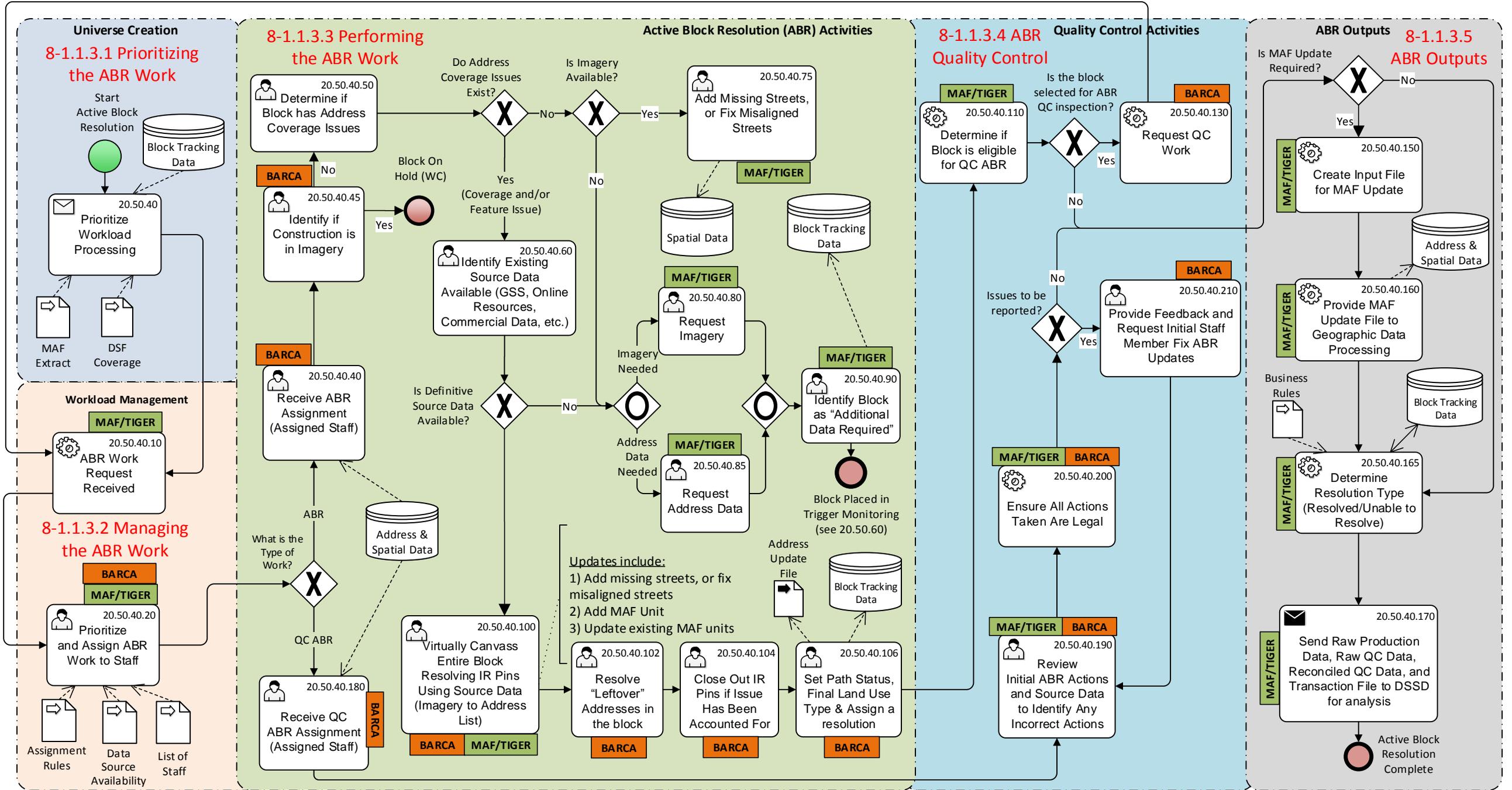
20.50.20 Perform Interactive Review (IR)

Purpose: To assess changes between current imagery and the baseline vintage of imagery to determine if imagery is consistent with the MAF.



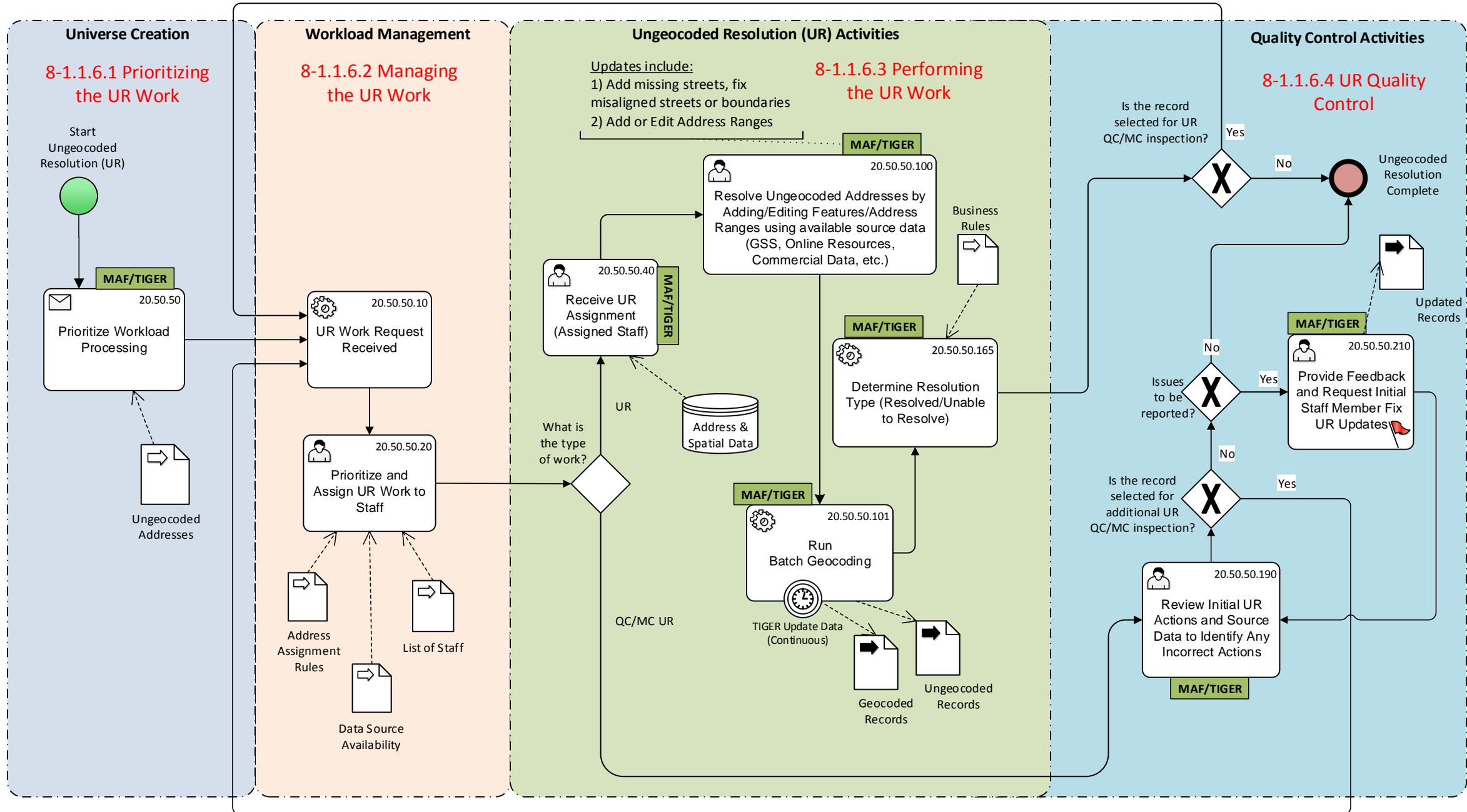
20.50.40 Perform Active Block Resolution (ABR)

Purpose: To attempt to resolve coverage issues identified in IR using MAF/TIGER and external data sources when available.



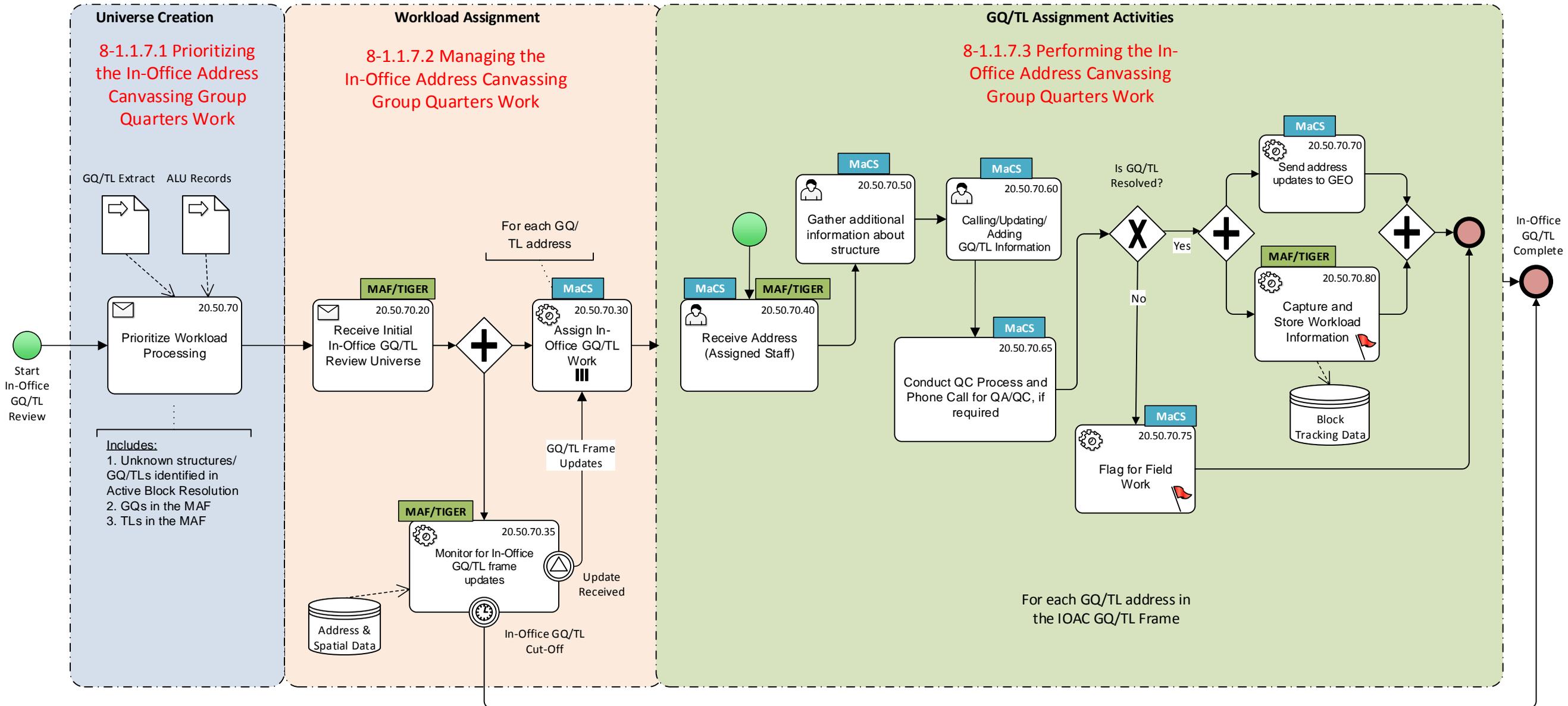
20.50.50 Perform Ungecoded Resolution (UR)

Purpose: To attempt to resolve issues identified during DSF refresh update using MAF/TIGER and external data sources when available.



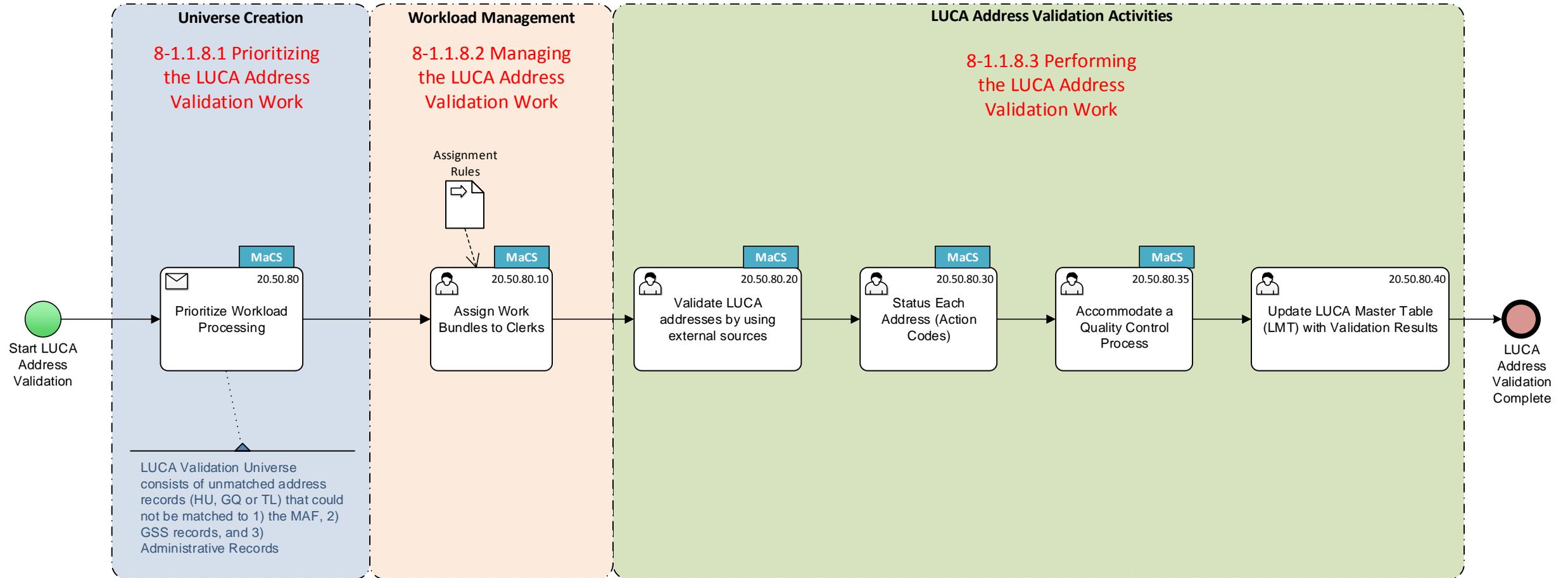
20.50.70 Conduct In-Office Address Canvassing Group Quarters/Transitory Locations (IOAC GQ/TL)

Purpose: To perform in-office review for all GQ and TL addresses within the GQ/TL extract.



20.50.80 Conduct LUCA Address Validation

Purpose: To conduct LUCA address validation within Address Canvassing and send results back to LUCA for processing.



85 Conduct Master Address File Coverage Study (MAFCS)

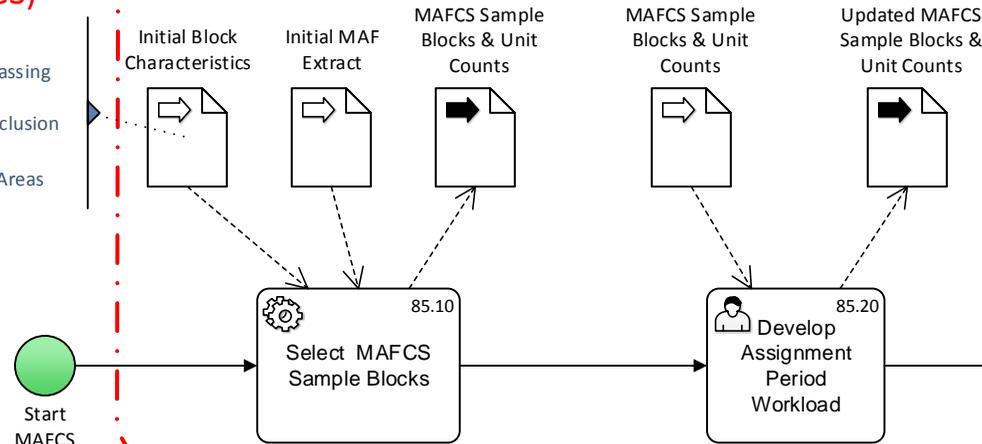
Purpose: To determine over/under coverage for a given MAF Coverage area. This process includes the creation of the In-Field workload, canvassing of sample blocks, and the analysis of collected data. The analysis results are used to statistically determine the over/under coverage for the entire Master Address Frame.

8-2 MAF Coverage Study (MAFCS)

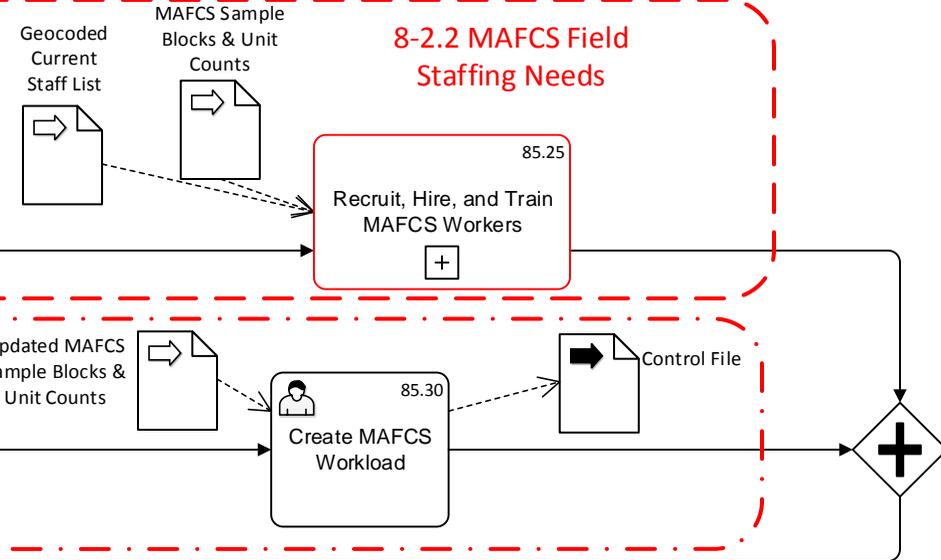
Sources:

- In-Office Canvassing Results
- Geographic Exclusion Areas
- GSS-I Partner Areas

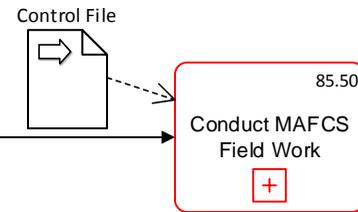
8-2.1 MAFCS Data Inputs and Sample Selection



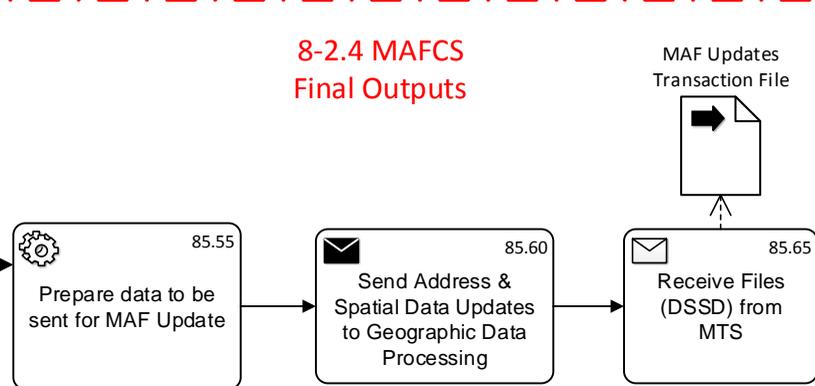
8-2.2 MAFCS Field Staffing Needs



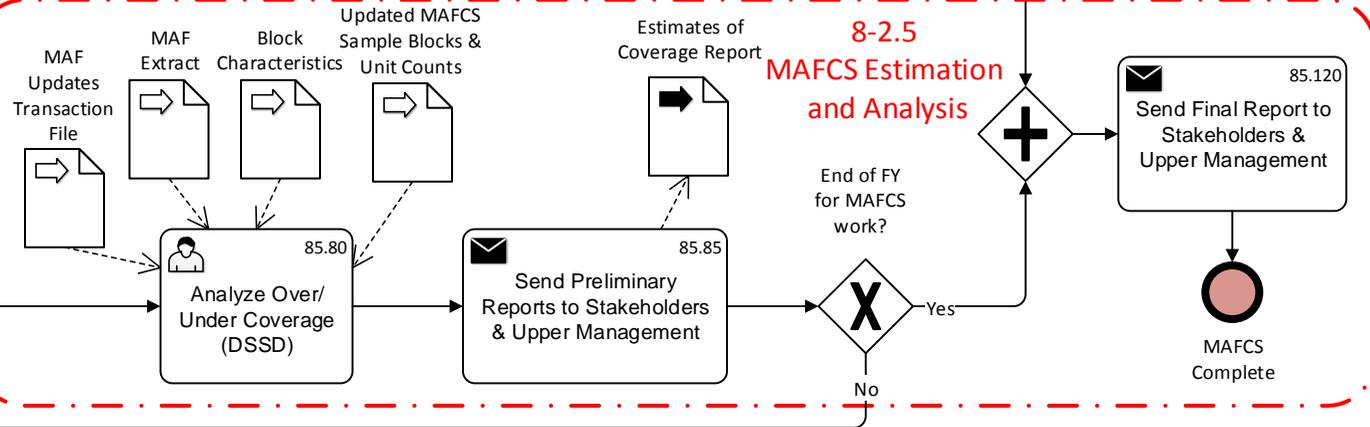
8-2.3 MAFCS Field Data Collection Work (including QC)



8-2.4 MAFCS Final Outputs

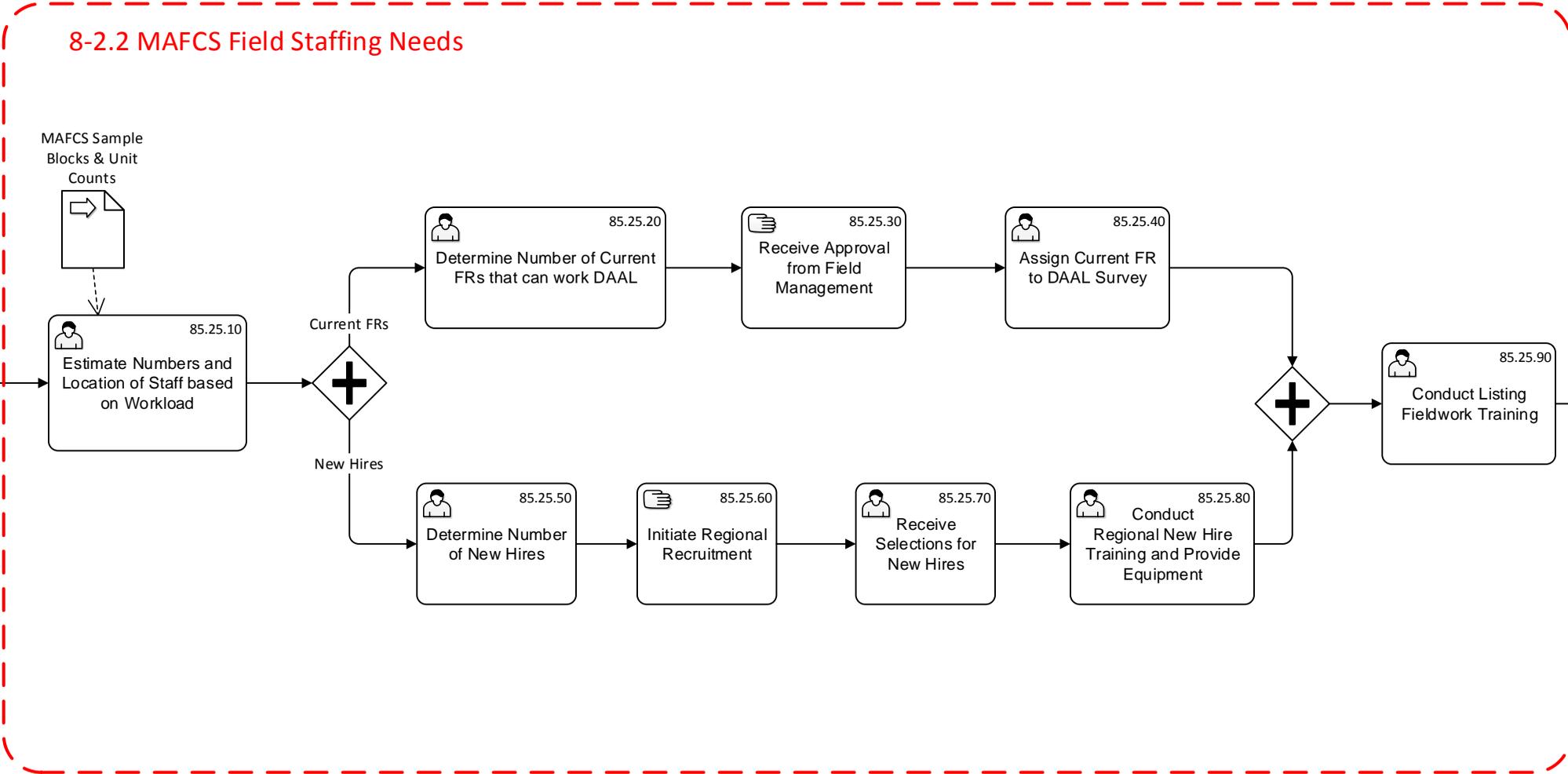


8-2.5 MAFCS Estimation and Analysis



85.25 Recruit, Hire, and Train MAFCS Workers

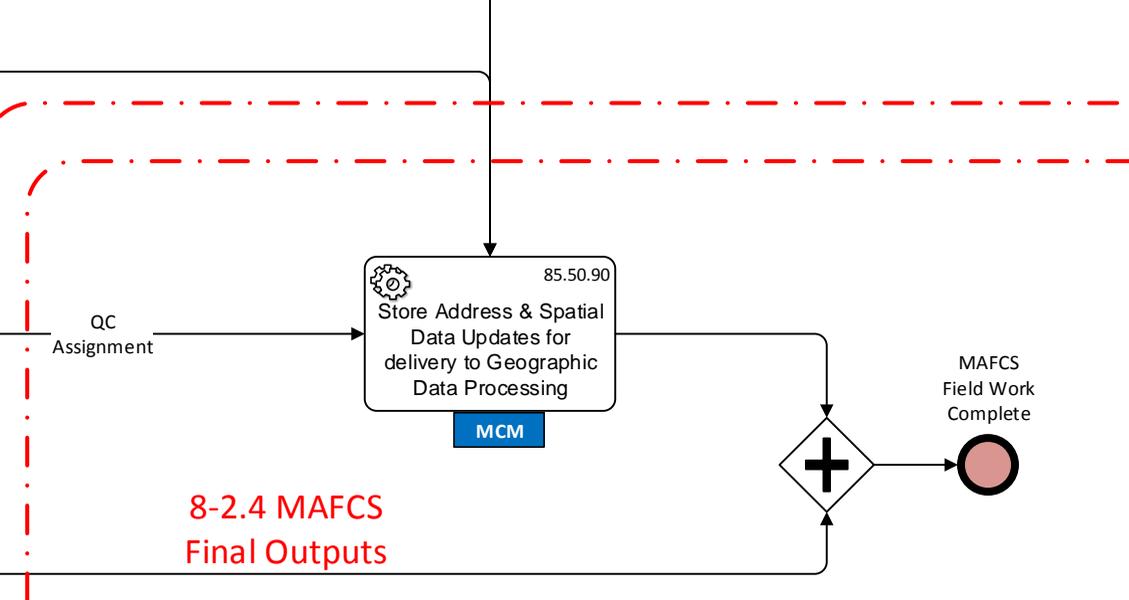
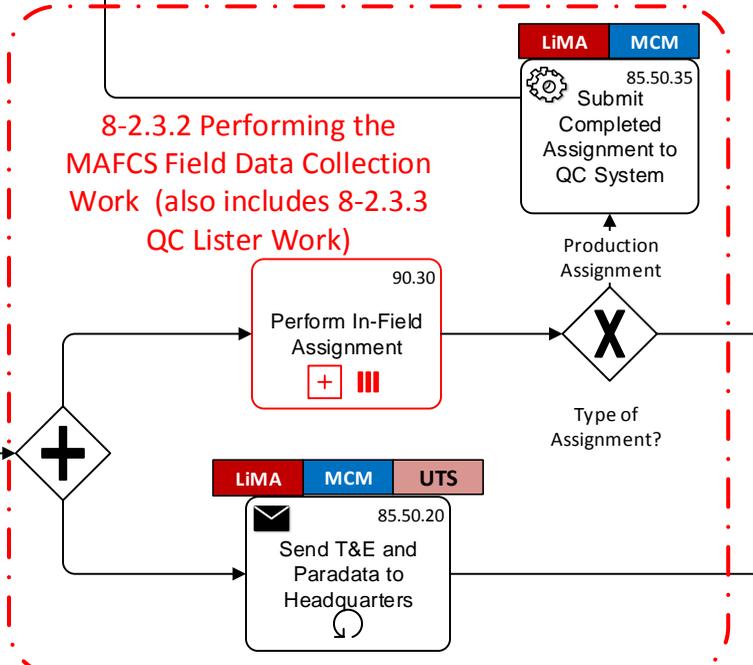
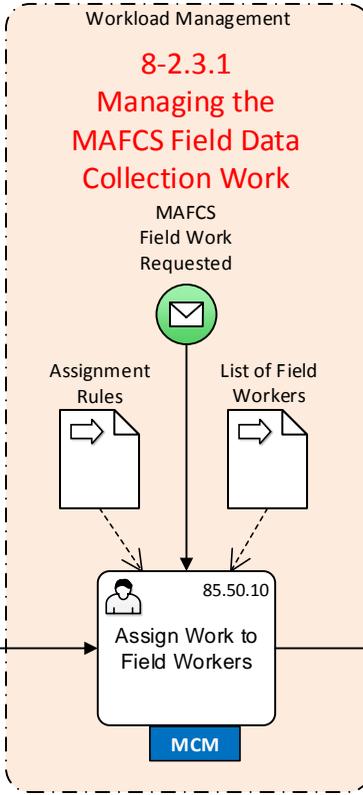
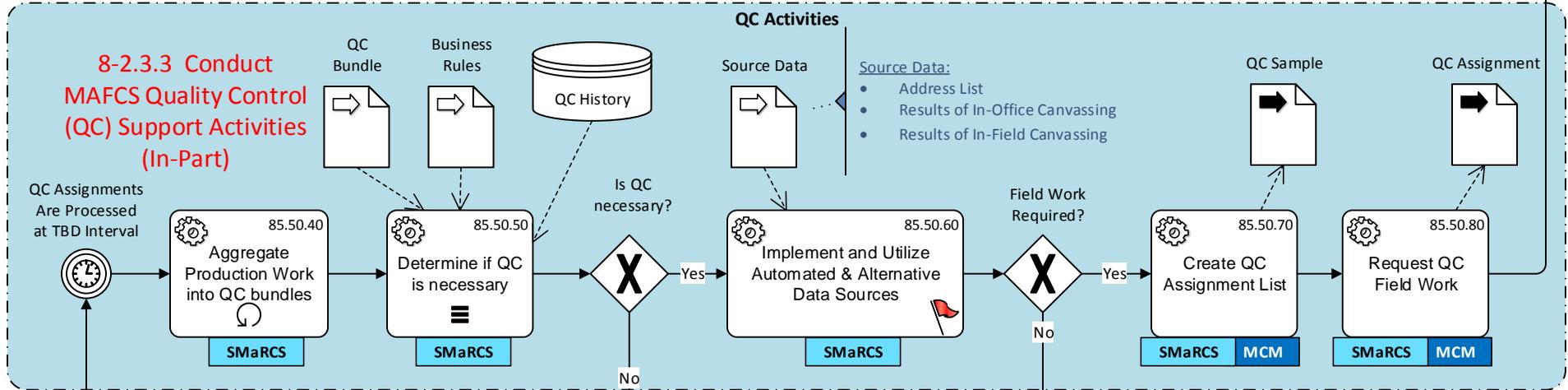
Purpose: To ensure there are enough FRs within each region to conduct MAFCS field work.



85.50 Conduct MAFCS Field Work

Purpose: To perform field work for MAF Coverage Study blocks by evaluating overcoverage/undercoverage.

8-2.3 MAFCS Field Data Collection Work (including QC)

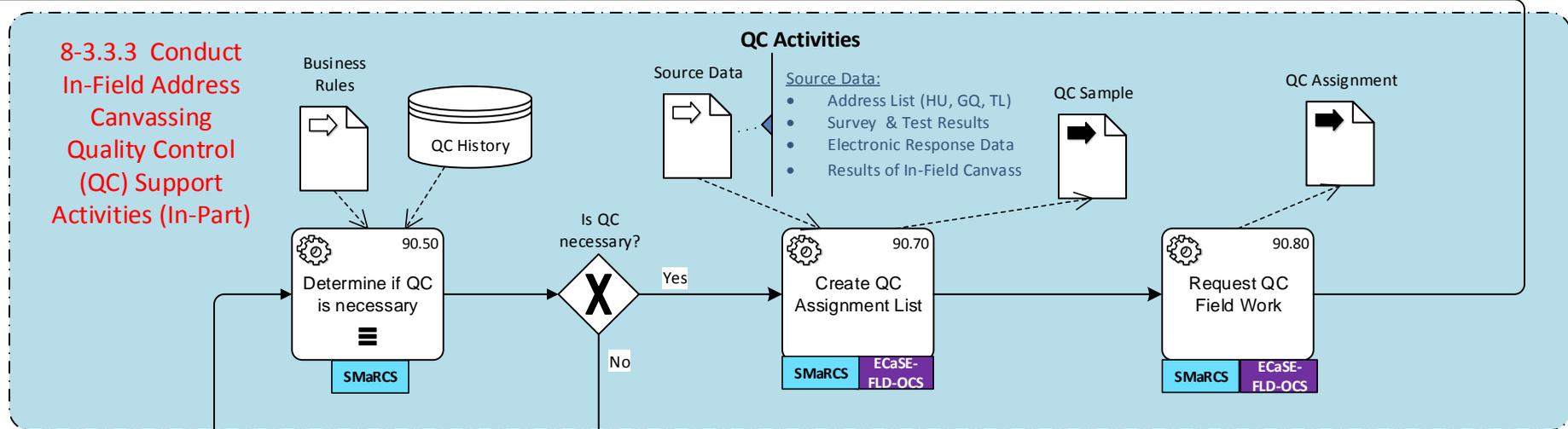


90 Conduct In-Field Address Canvassing (IFAC)

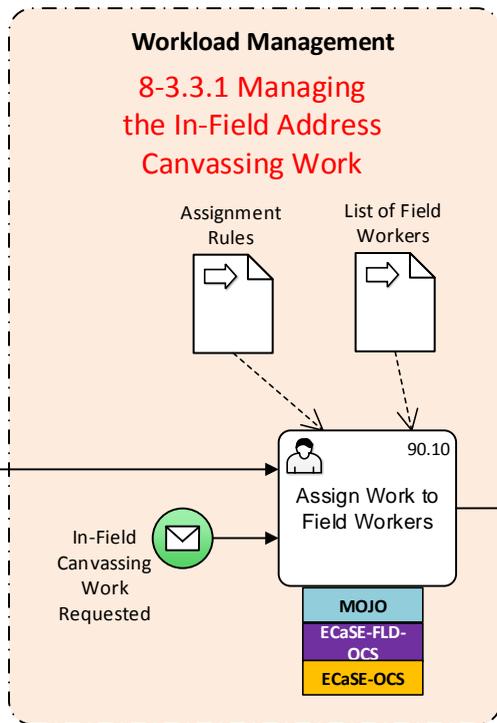
Purpose: Update the address list in areas where necessary sources supporting In-Office work are not available. An up-to-date address list is critical to the Census Bureau's ability to conduct a complete and accurate Census.

8-3.3 In-Field Address Canvassing Fieldwork (including QC)

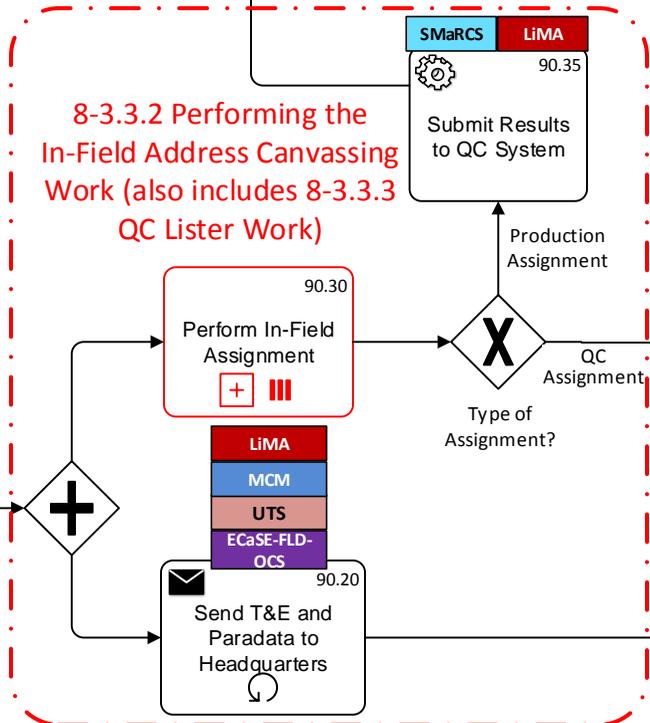
8-3.3.3 Conduct In-Field Address Canvassing Quality Control (QC) Support Activities (In-Part)



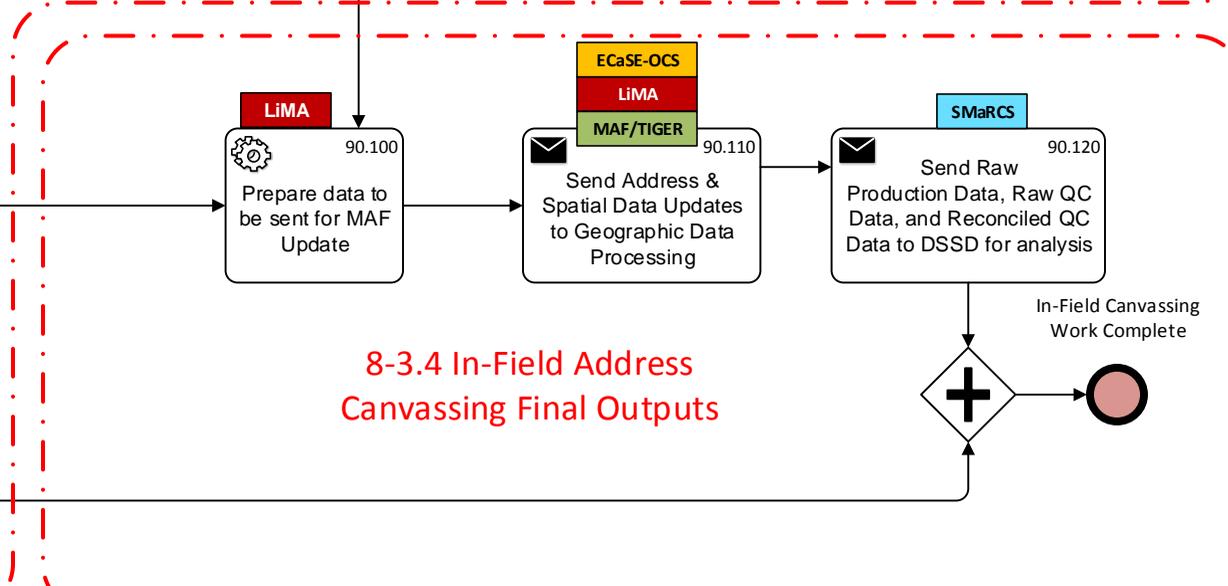
8-3.3.1 Managing the In-Field Address Canvassing Work



8-3.3.2 Performing the In-Field Address Canvassing Work (also includes 8-3.3.3 QC Lister Work)



8-3.4 In-Field Address Canvassing Final Outputs



90.30 Perform In-Field Assignment

Purpose: Update the address list in areas where necessary sources supporting In-Office work are not available. An up-to-date address list is critical to the Census Bureau's ability to conduct a complete and accurate Census.

