

2020 Census 21. Data Products and Dissemination Operation (DPD)

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Table of Contents

Reading and Understanding the Model

Legend 2

Business Process Model

Context Model 3

10. Receive & Prepare Apportionment Inputs. 4

20. Create Apportionment Tables 5

25. Perform Independent Verifications and Validations 6

30. Deliver Apportionment Results to the President 7

40. Receive & Prepare Redistricting Inputs and Registration Data. 8

50. Create State Redistricting Data 9

55. Prepare Redistricting Data for Release. 10

60. Disseminate Redistricting Data to the States 11

70. Receive Other Data Product Inputs and Requirements 12

80. Create Other Data Products 13

85. Prepare Other Data Products for Release 14

90. Disseminate/Publish Other Data Products 15

92. Receive and Prepare Island Areas Inputs and Registration Data 16

94. Create Island Areas Population and Housing Unit Counts 17

96. Prepare Island Areas Population and Housing Unit Counts Products for Release 18

98. Disseminate Island Areas Population and Housing Unit Counts Products 19

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Major Revision Change History

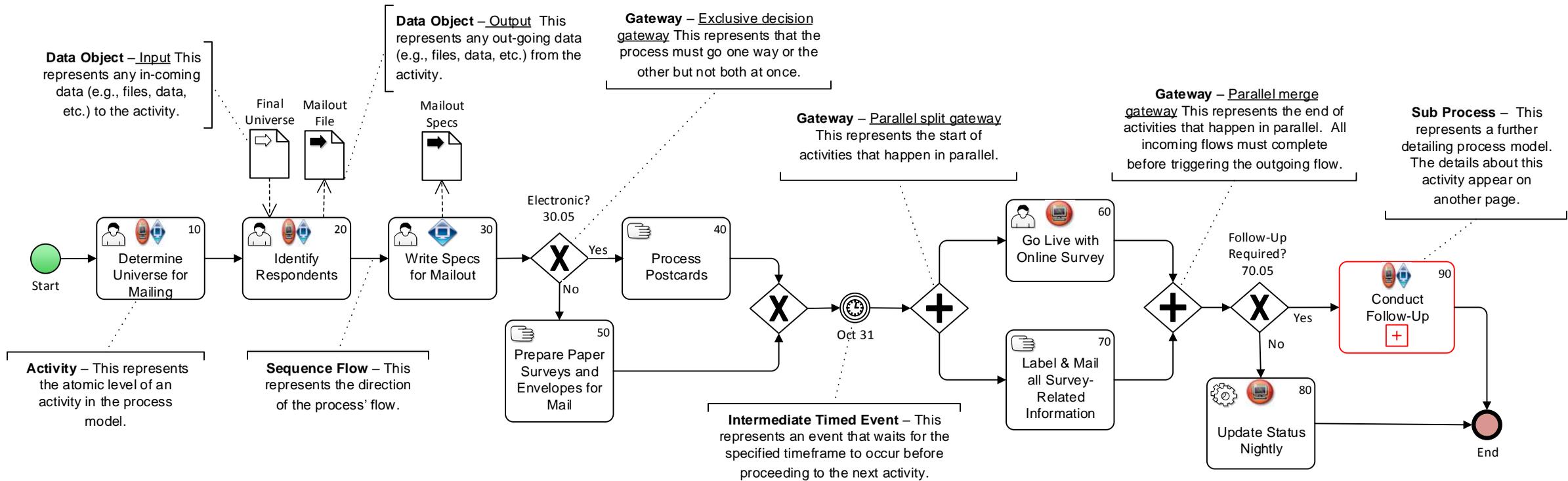
Date	Description	Author	Version #	Page #'s
07/11/2016	Incorporated changes captured during SME review on 7/11/16.	Elina Green	0.8	p.3-5
07/13/2016	Incorporated changes captured during SME reviews on 7/12/16.	Elina Green	0.9	p.3-11
07/15/2016	Per Kai, changed ACS to ACSO and SESH to SEHSD.	Elina Green	0.10	
07/21/2016	Updated per ADC feedback	Elina Green	0.11	
01/25/2017	Added System Icons	Elina Green	0.12	all
02/02/2017	Updates from DOP	Elina Green	0.13	p.3,4,11
03/06/2017	Updates from Cynthia & Jane	Elina Green	0.14	several
03/27/2017	Corrections to activity numbers	Elina Green	0.15	
03/29/2017	Updated to reflect SME comments	Elina Green	0.16	
04/07/2017	Updated to include Island Area products	Elina Green	0.17	
04/10/2017	Update per Authur Cresce, file name change	Elina Green	0.18	
05/02/2017	Included Island Area Diagram	Elina Green	0.19	
	Updates from 2018 E2E Requirements Review			
	Removed EDDE as a system, Changed DRPS to CDL			
05/24/2017	Updates from DOP & SME Reviews	Elina Green	0.20	
05/25/2017	Updates from SME Reviews	Elina Green	0.21	
08/04/2017	IPT Updates: p.10 – Notify RDP; p.11 – Clarifications for activities 60.11 & 60.20	Elina Green	0.22	
09/19/2017	Updates per Kristin Koslap	Elina Green	0.23	
	Added Disclosure Avoidance activities			
10/17/2017	Changes FAACO to FACO			
12/04/2017	Updates related to DPD IPT reviews	Elina Green	0.24	

Reading and Understanding the Model

Example Activity Model

BPM Purpose

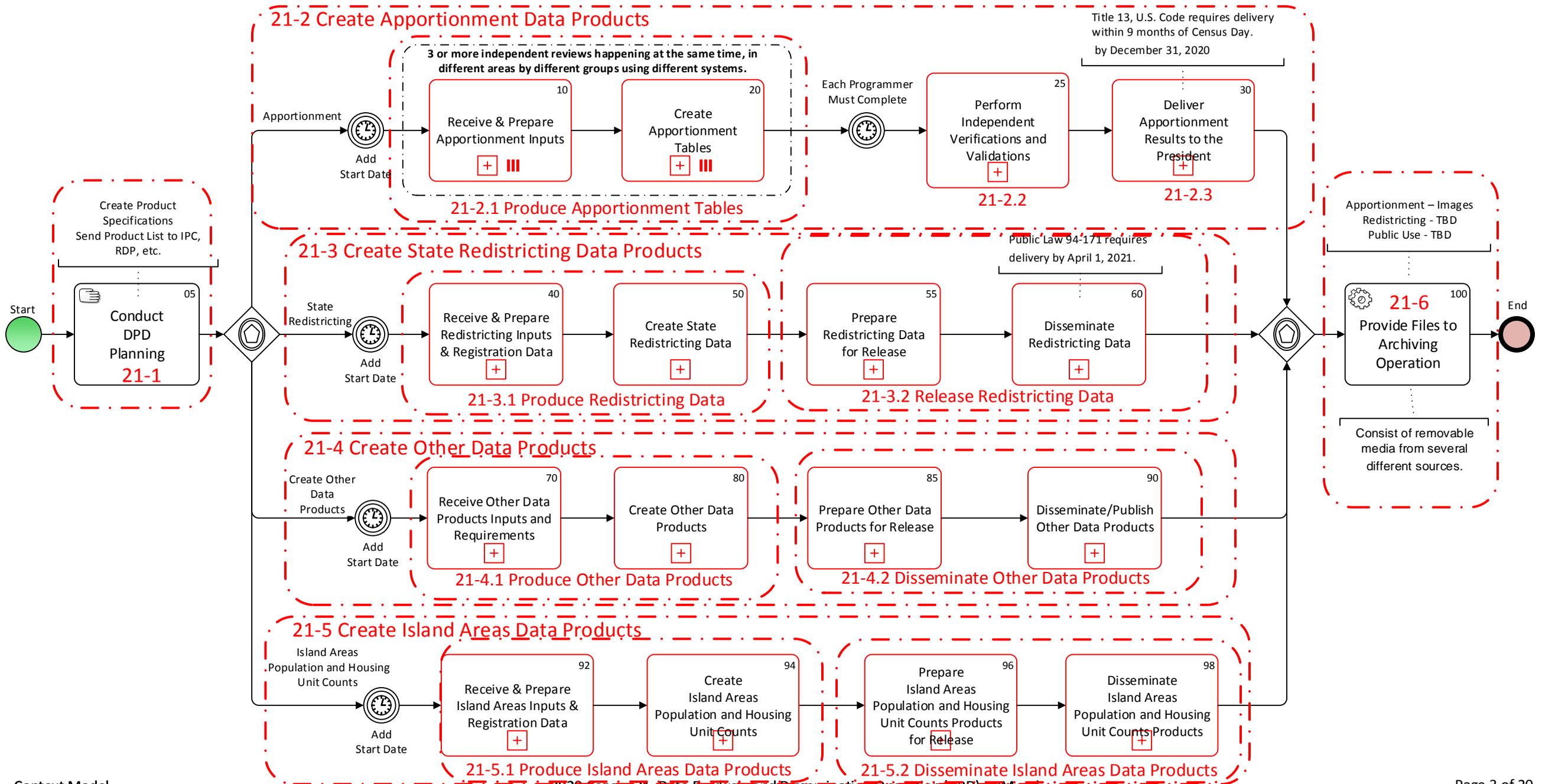
- Describe Census Operations business processes – activities, resources and key milestones
- Provide the details necessary for non-subject matter experts to understand the business process
- Contribute to the requirements development process
- Facilitate the linkage of business processes to IT capabilities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



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

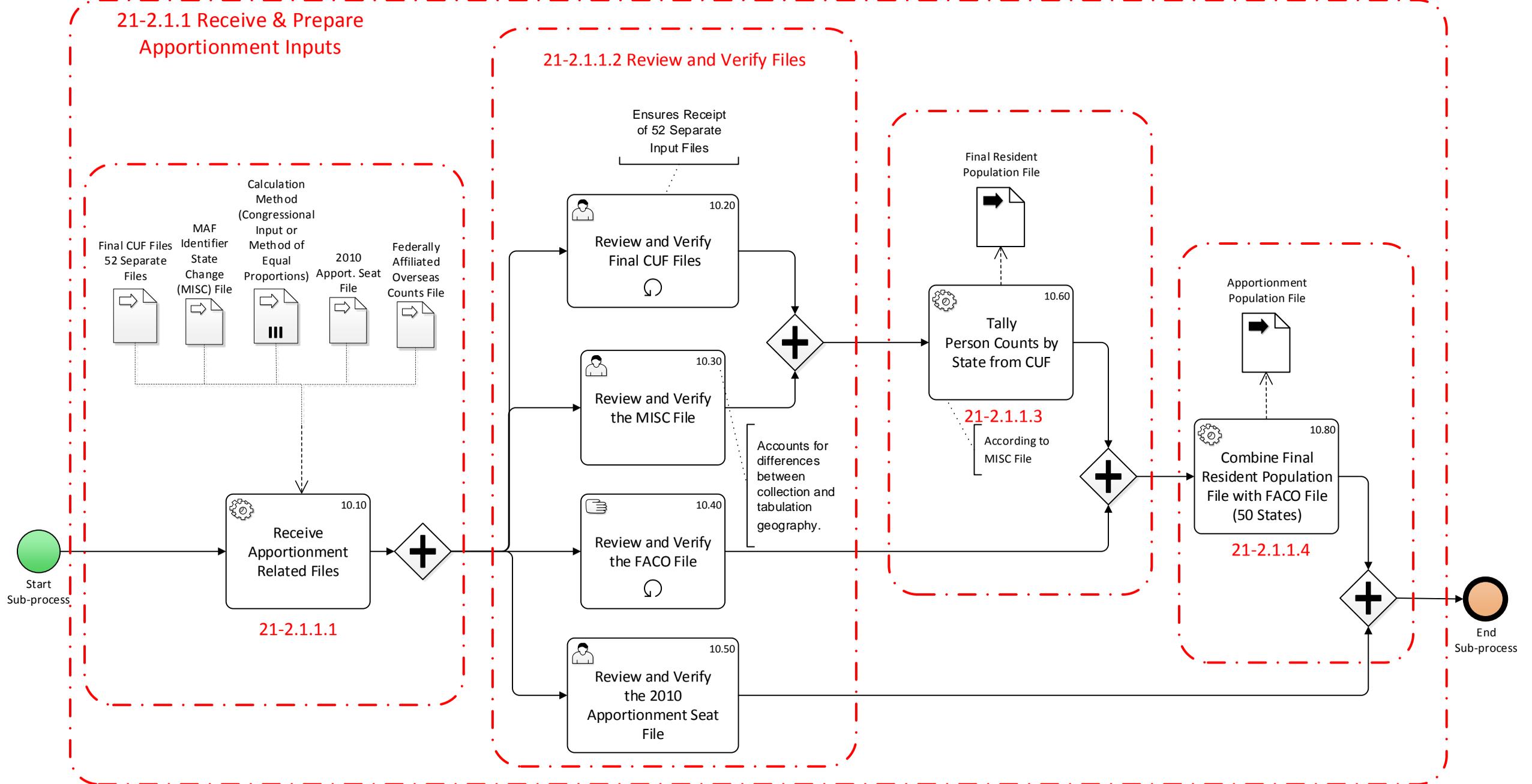
2020 Census 21. Data Products and Dissemination (DPD)

Purpose: Prepare and deliver the Census population counts to the President of the United States for Congressional apportionment, tabulate and disseminate Census data products for use by the states for redistricting, and tabulate and disseminate other Census data products.



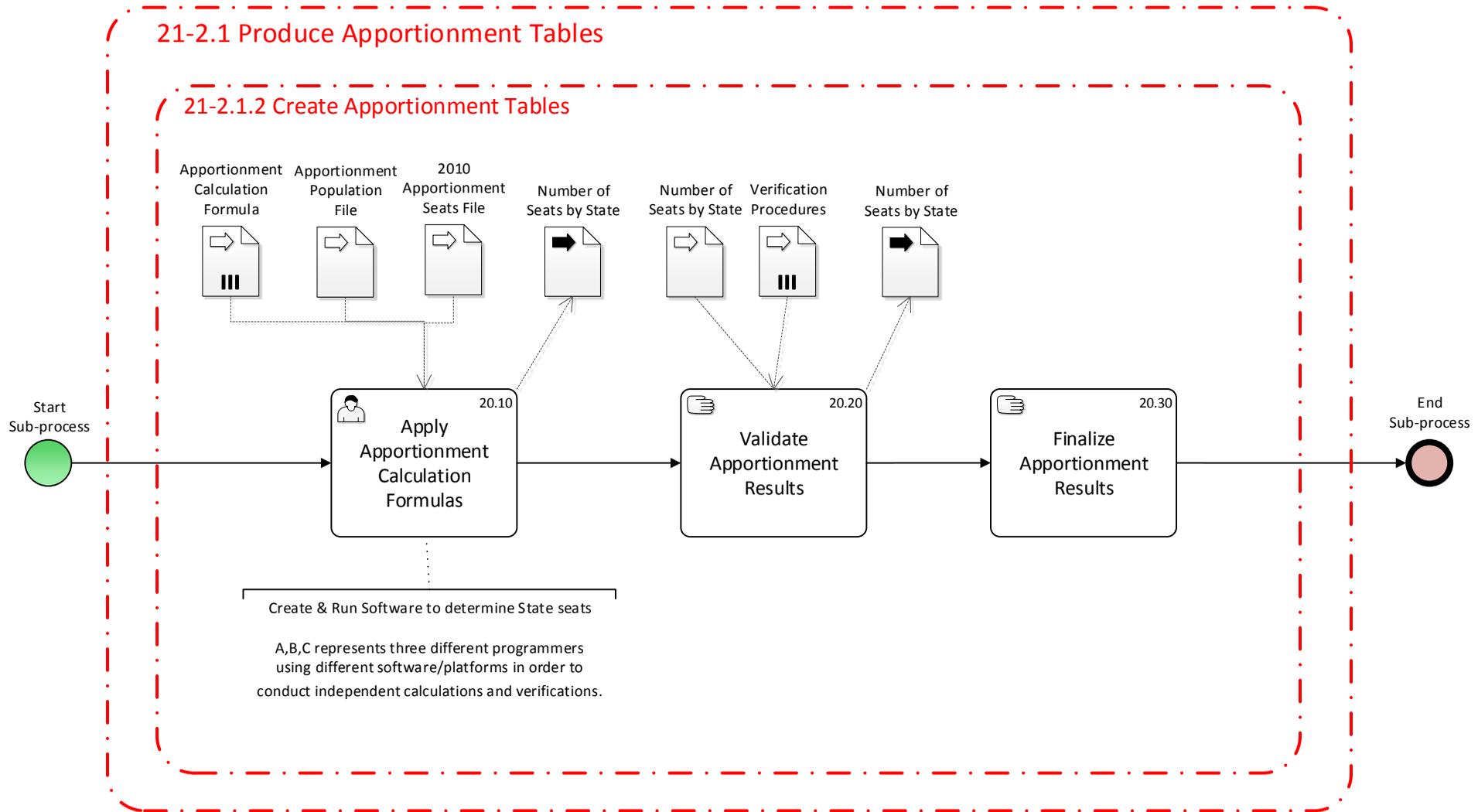
10. Receive & Prepare Apportionment Inputs

Purpose: To receive apportionment related files and perform the pre-processing needed to prepare the files for use.



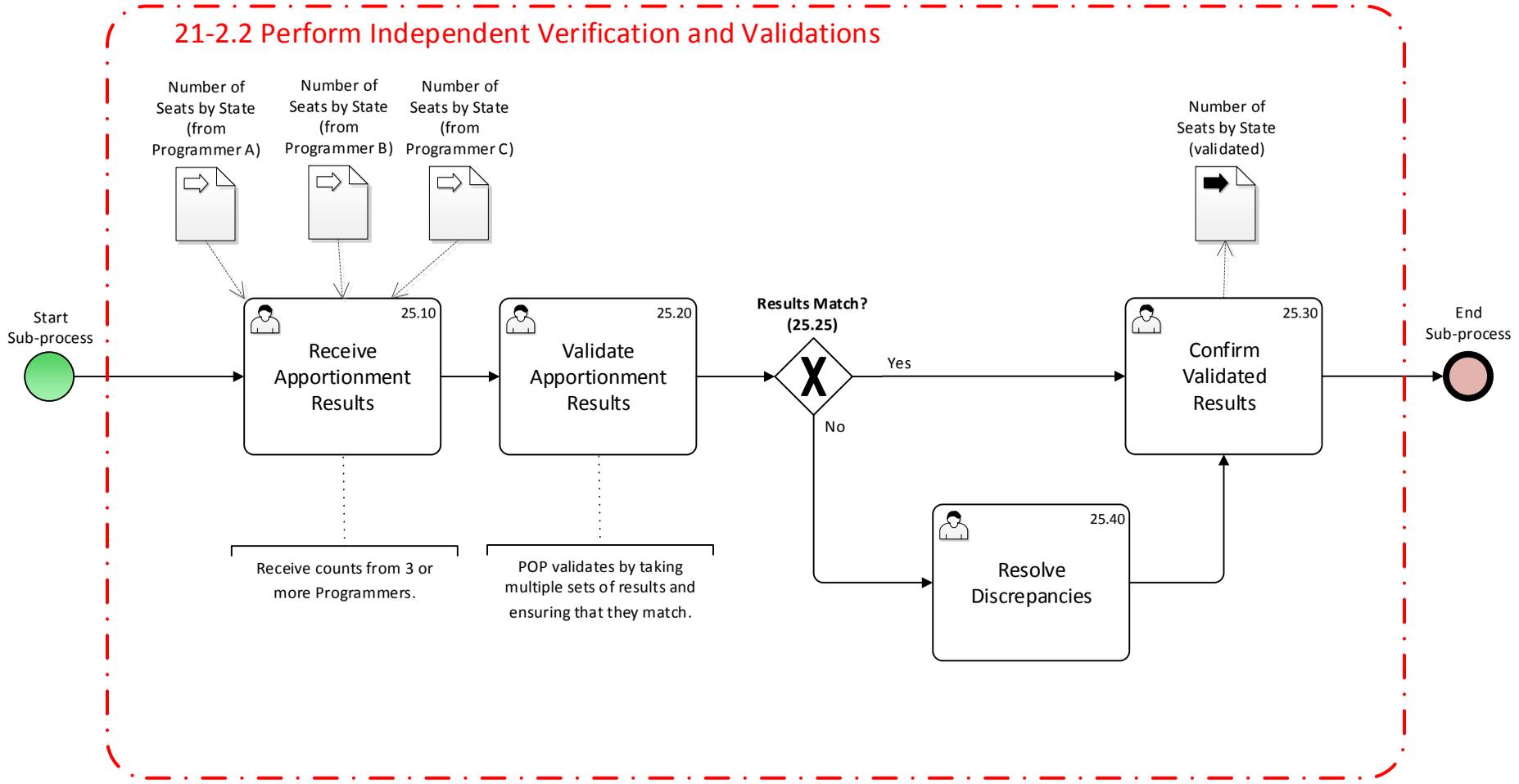
20. Create Apportionment Tables

Purpose: To prepare and validate apportionment counts - apply apportionment calculation formulas to determine state seats, verify that those calculations are accurate.



25. Perform Independent Verifications and Validations

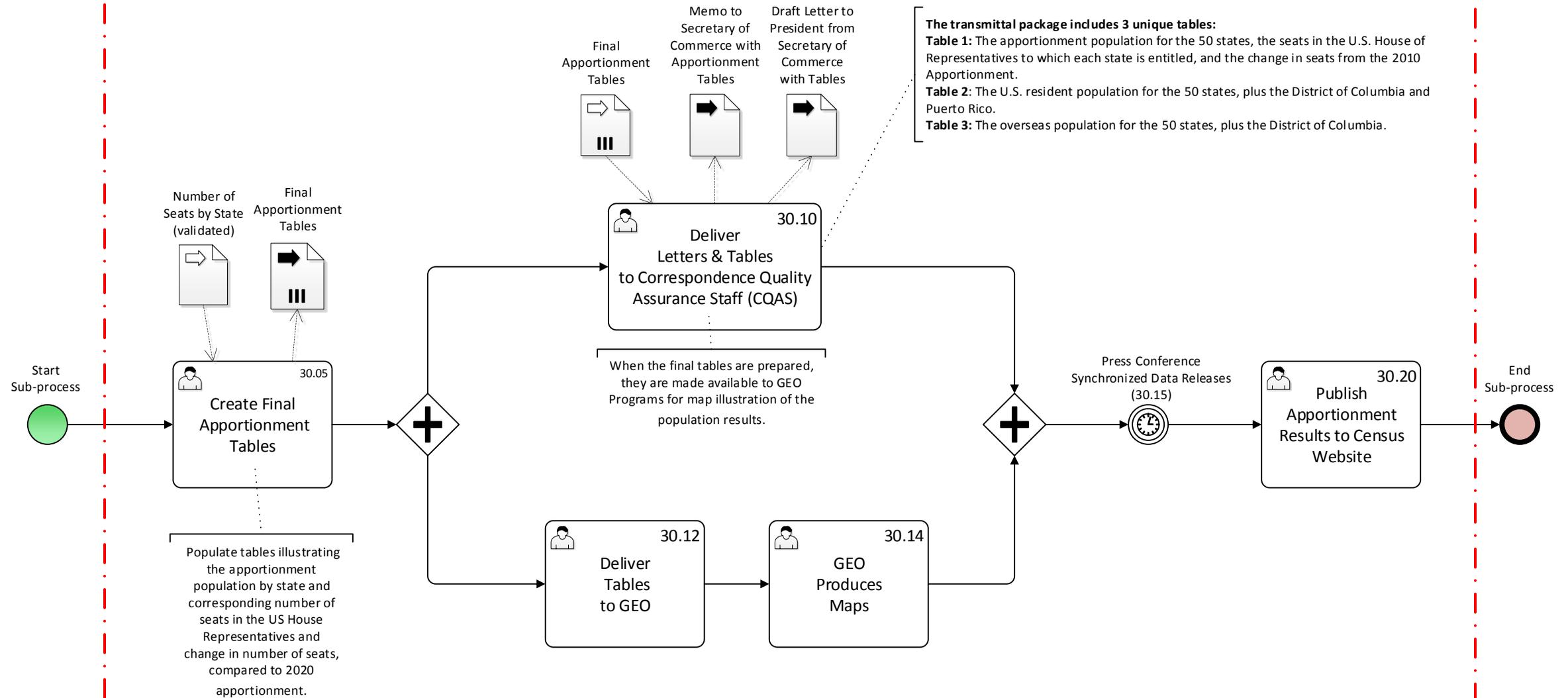
Purpose: To compare apportionment counts from independent sources and perform the final validation of the results.



30. Deliver Apportionment Results to the President

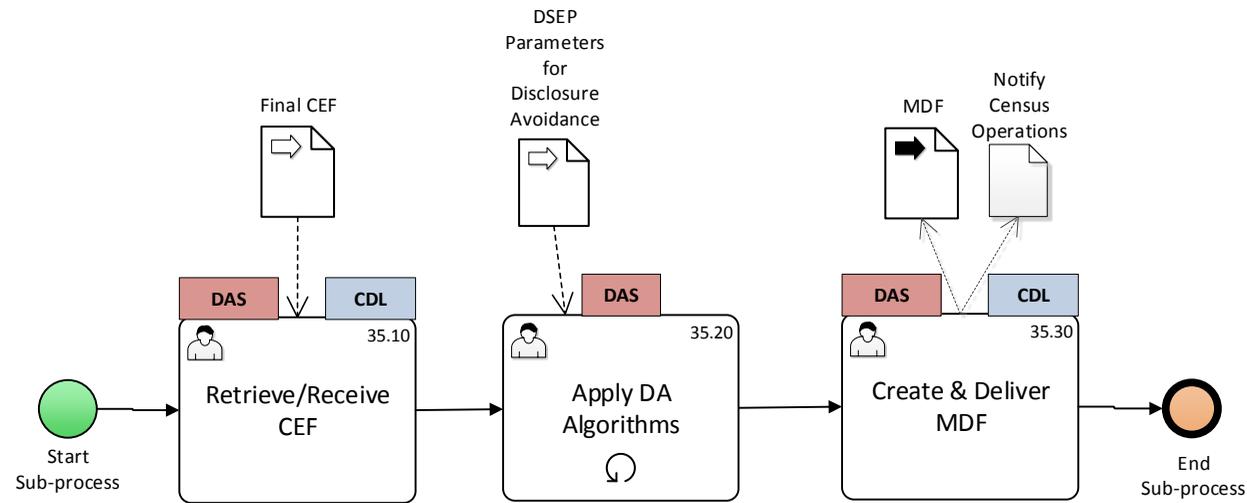
Purpose: Create the final apportionment tables then deliver them to the Secretary of Commerce for transmittal to the President of the United States to provide to Congress by December 31, 2020.

21-2.3 Deliver Apportionment Results to the President



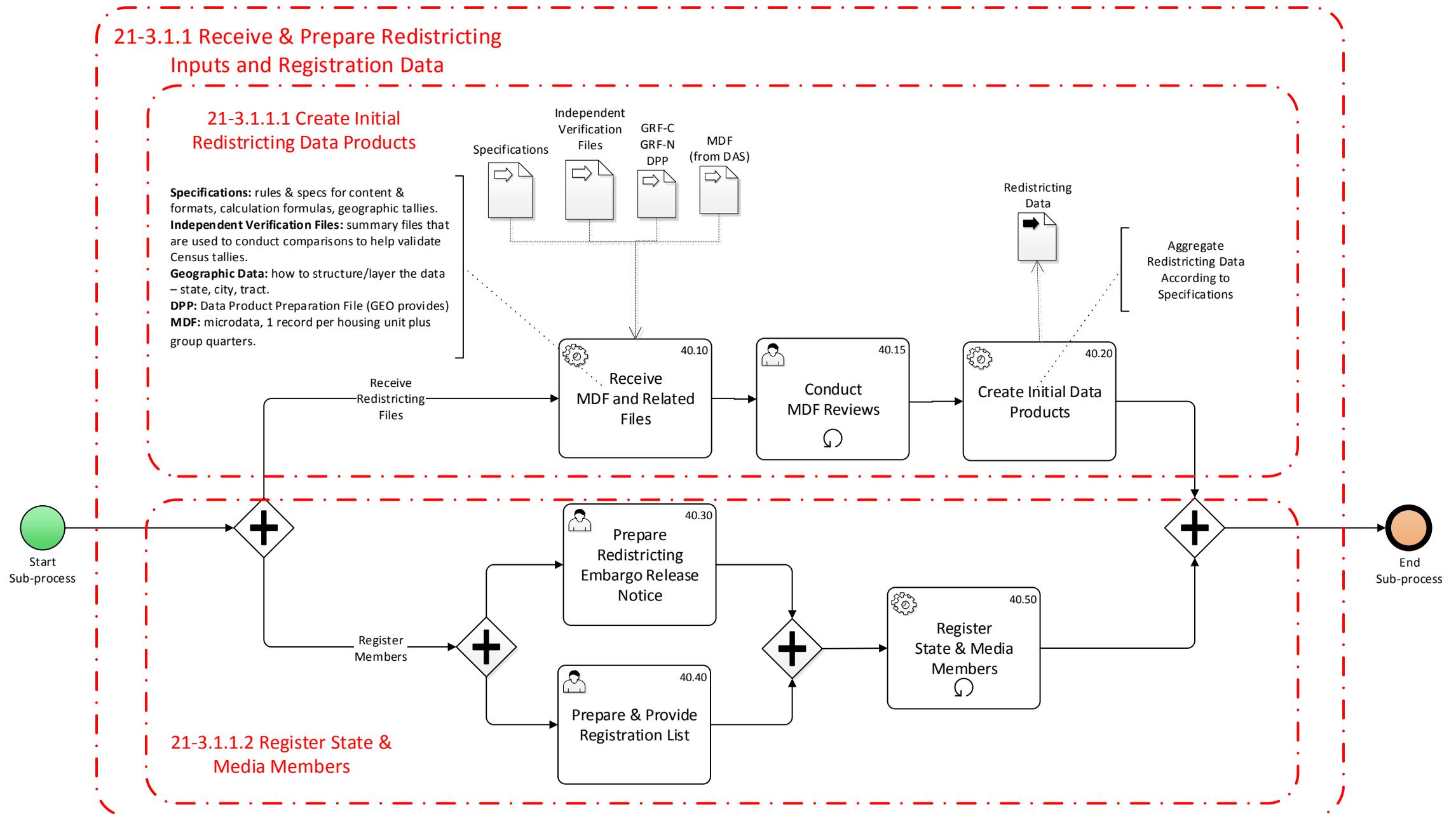
35. Perform Disclosure Avoidance

Purpose: To add noise to (run algorithms against) the Census Edited File (CEF) in order to create a confidential versions of the MDF.



40. Receive & Prepare Redistricting Inputs and Registration Data

Purpose: To receive redistricting related files and perform the pre-processing needed to prepare the files for use; and, to register State and Media Members.

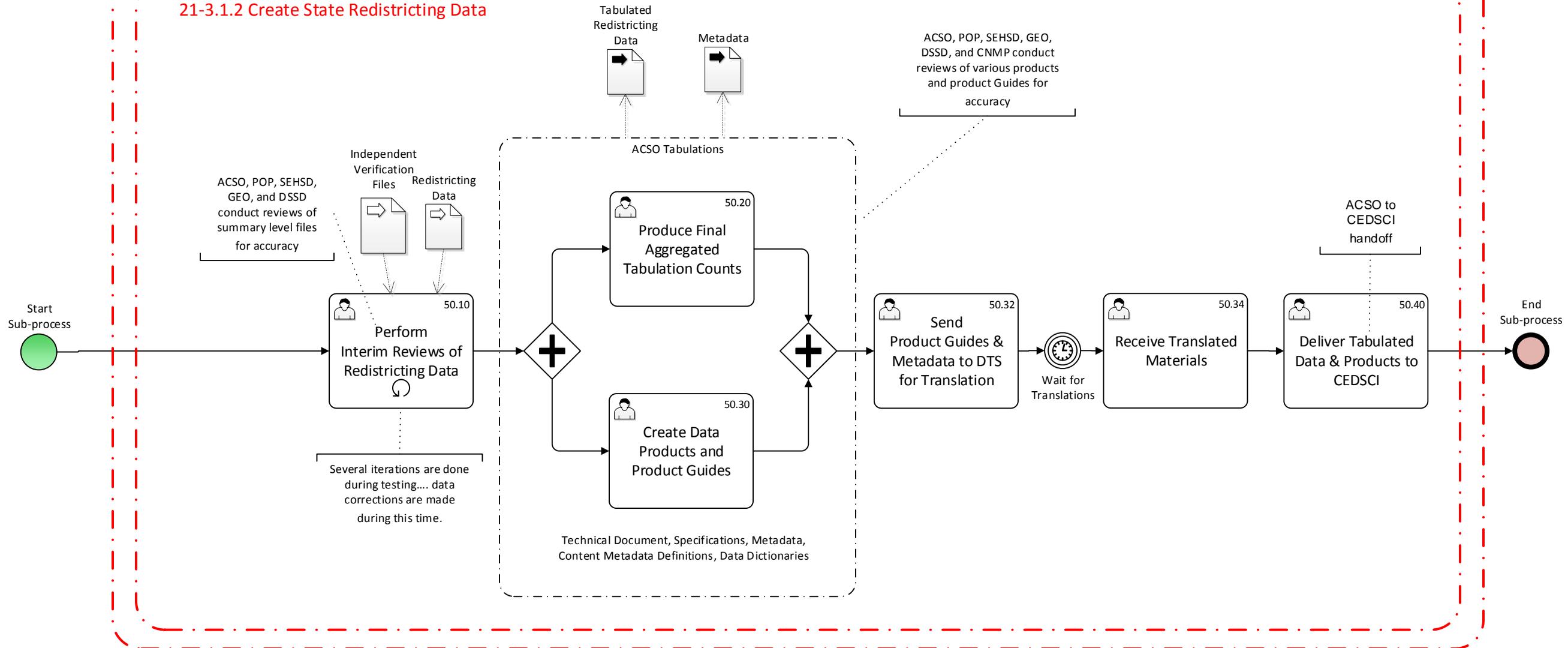


50. Create State Redistricting Data

Purpose: Tabulate Census data products for use by the states for redistricting as required by P.L. 94-171.

21-3.1 Produce Redistricting Data

21-3.1.2 Create State Redistricting Data

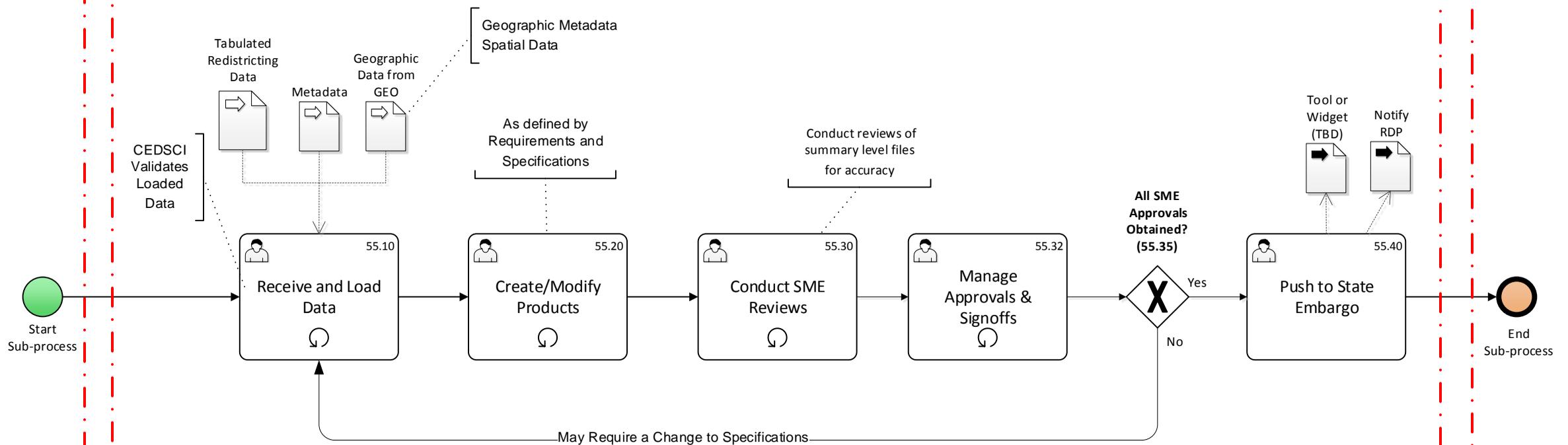


55. Prepare Redistricting Data for Release

Purpose: To enhance redistricting data and create data products by generating and applying meta tags, and developing geographic and visualization products to make the data more usable.

21-3.2 Release Redistricting Data

21-3.2.1 Prepare Redistricting Data for Release

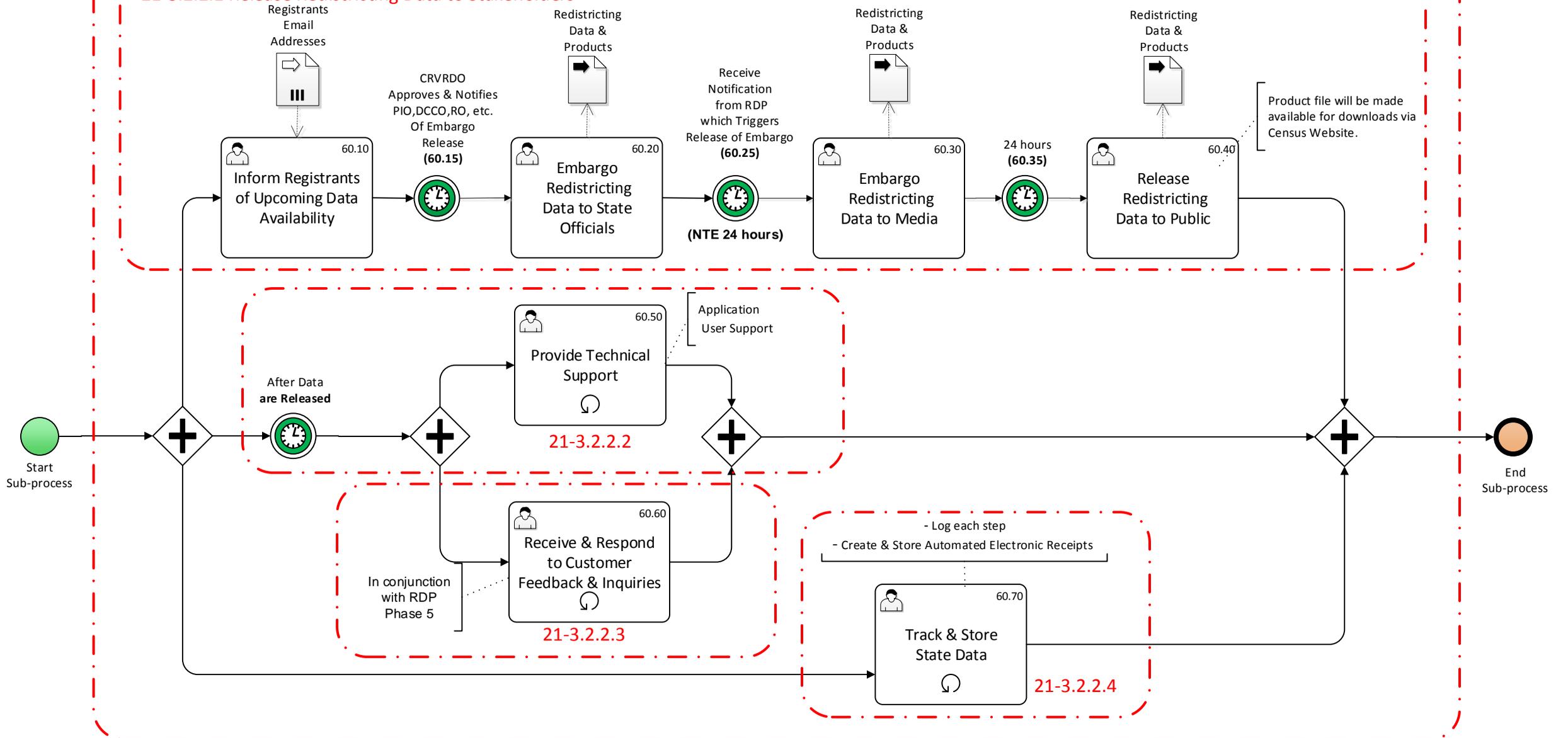


60. Disseminate Redistricting Data

Purpose: To disseminate redistricting data to the State Governors and Legislative Leaders by April 1, 2021.

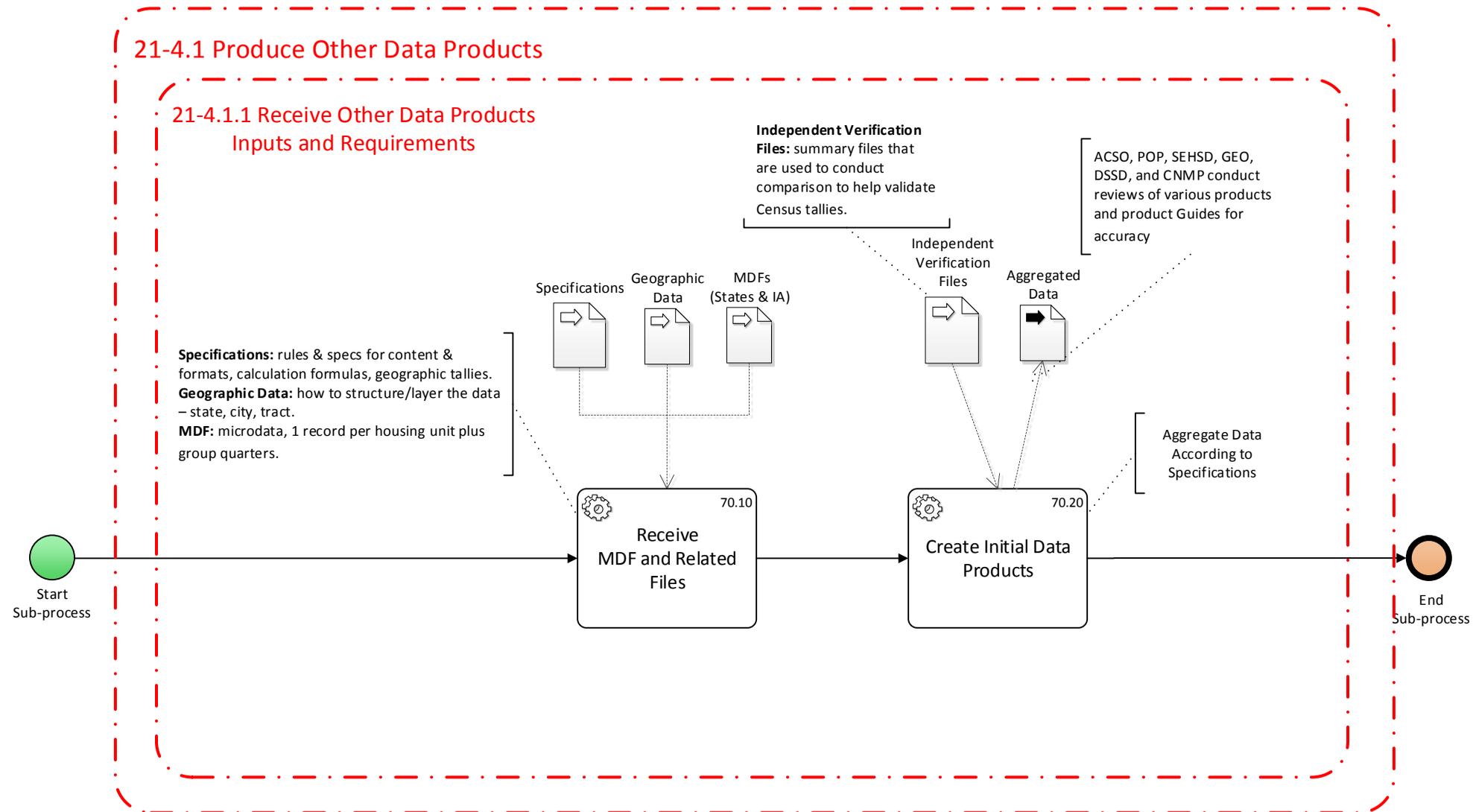
21-3.2.2 Disseminate Redistricting Data

21-3.2.2.1 Release Redistricting Data to Stakeholders



70. Receive Other Data Products Inputs and Requirements

Purpose: To receive the requirements and specifications for data use products and the data needed to produce those products. Tabulate inputs according to specifications. This also includes other data products for Island Areas.

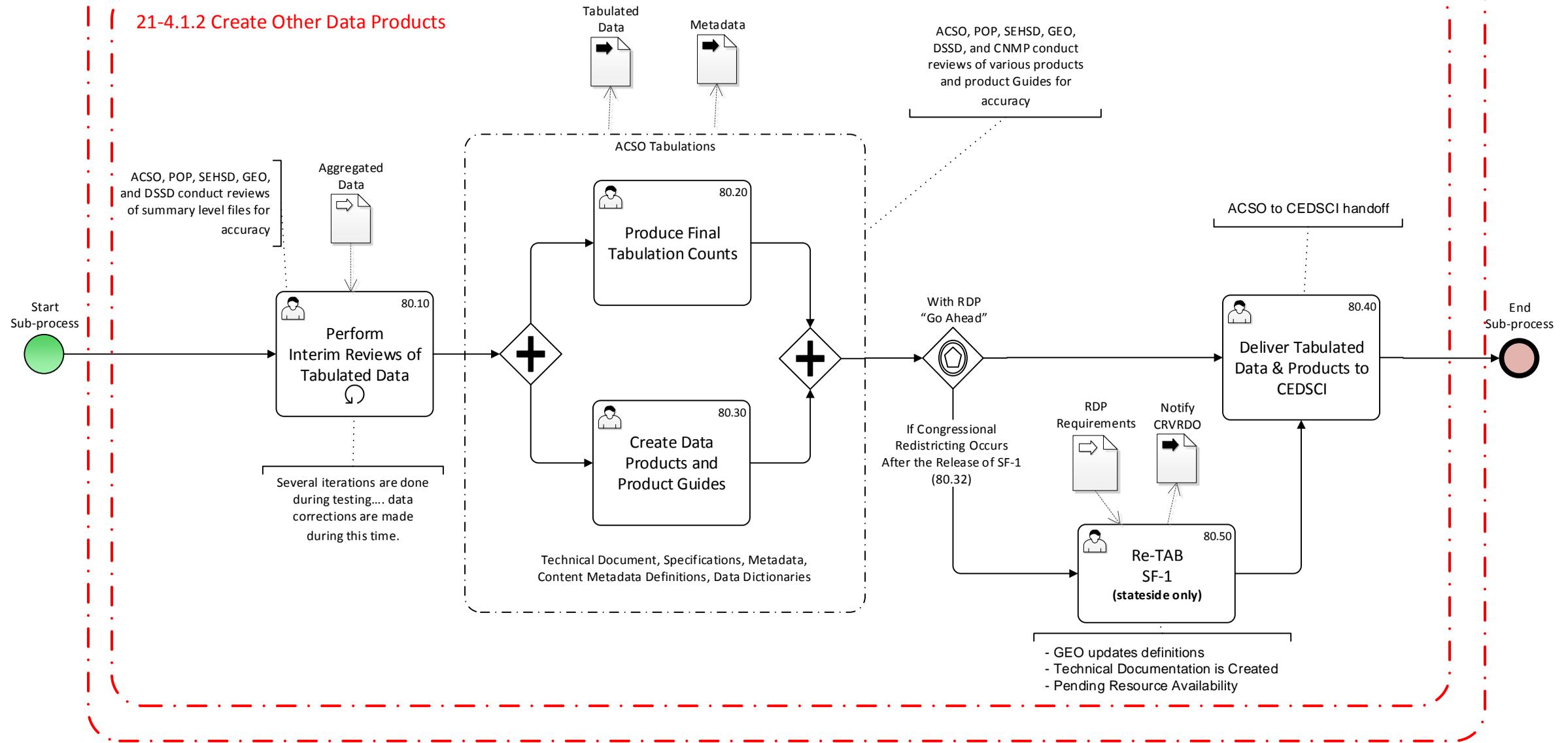


80. Create Other Data Products

Purpose: To receive the requirements and specifications for public use products and the metadata needed to product those products.

21-4.1 Produce Other Data Products

21-4.1.2 Create Other Data Products

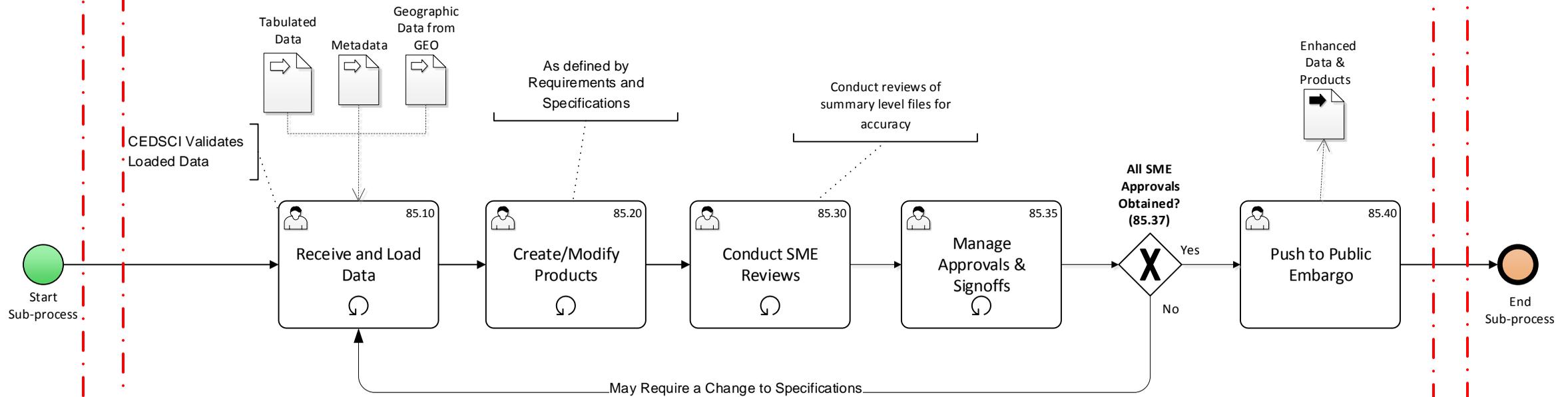


85. Prepare Other Data Products for Release

Purpose: To enhance Census data and create data products by generating and applying meta tags, and developing geographic and visualization products to make the data more usable.

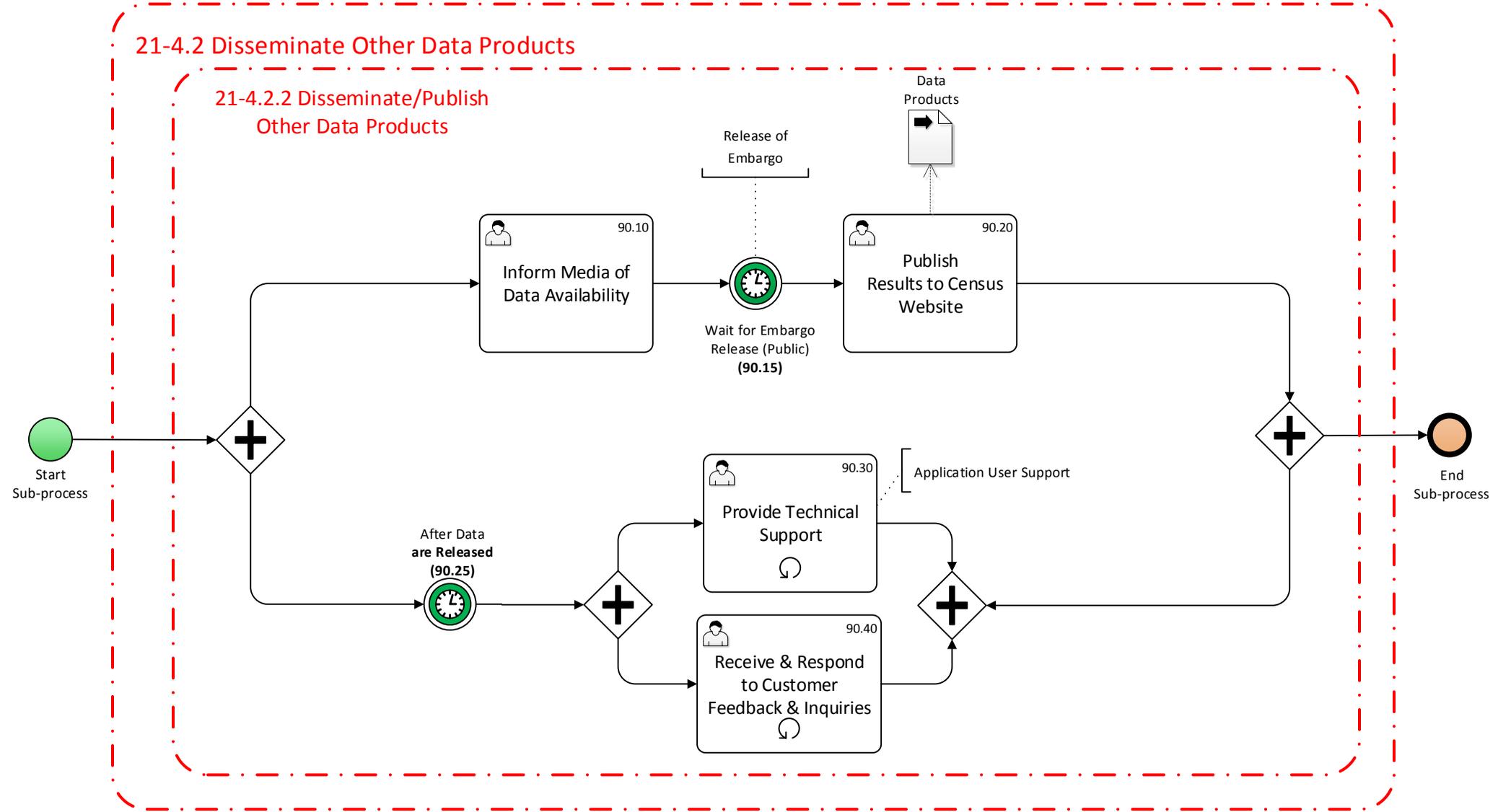
21-4.2 Disseminate Other Data Products

21-4.2.1 Prepare Other Data Products for Release



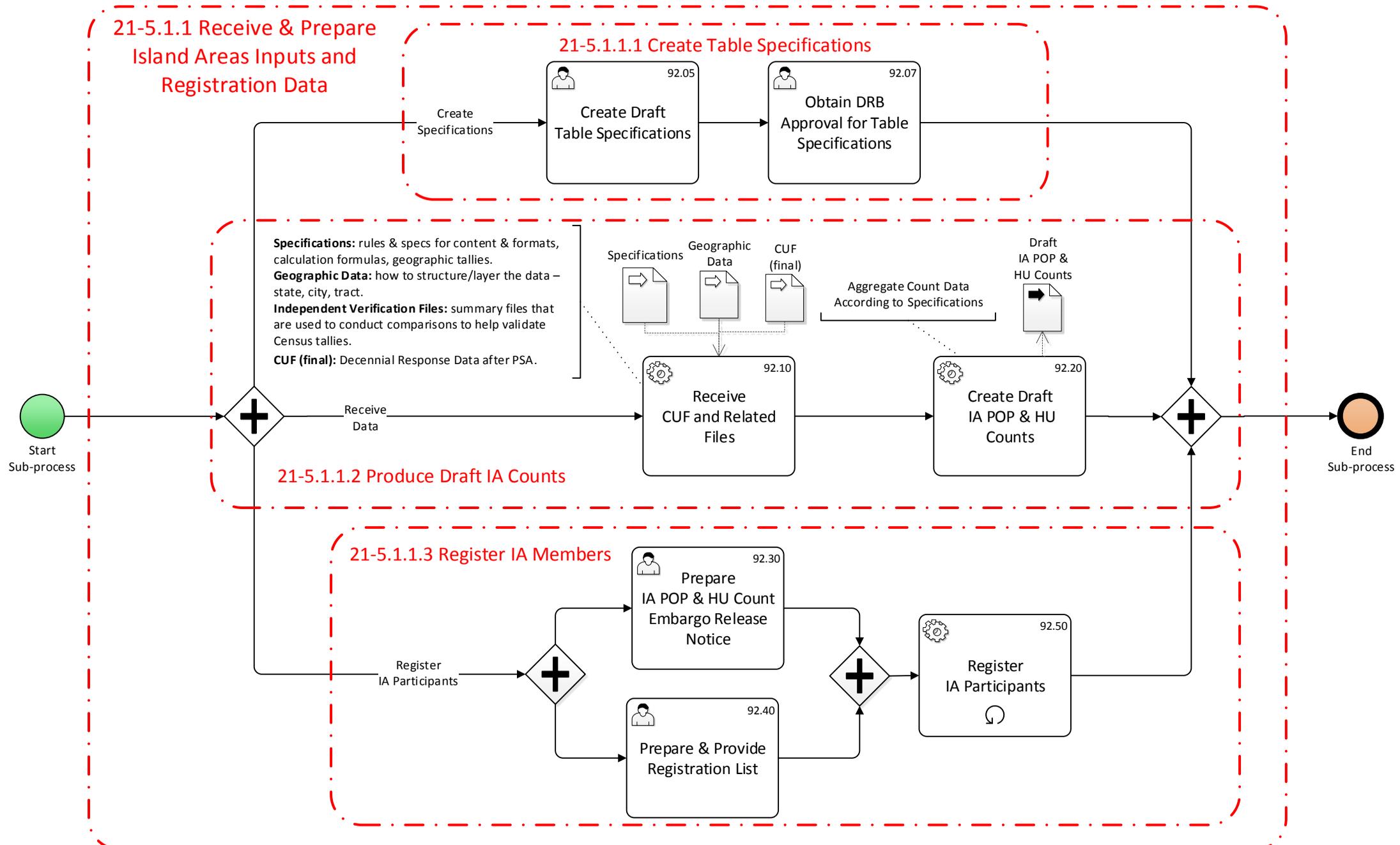
90. Disseminate/Publish Other Data Products

Purpose: To deliver the final Census Data to the Public for its consumption.



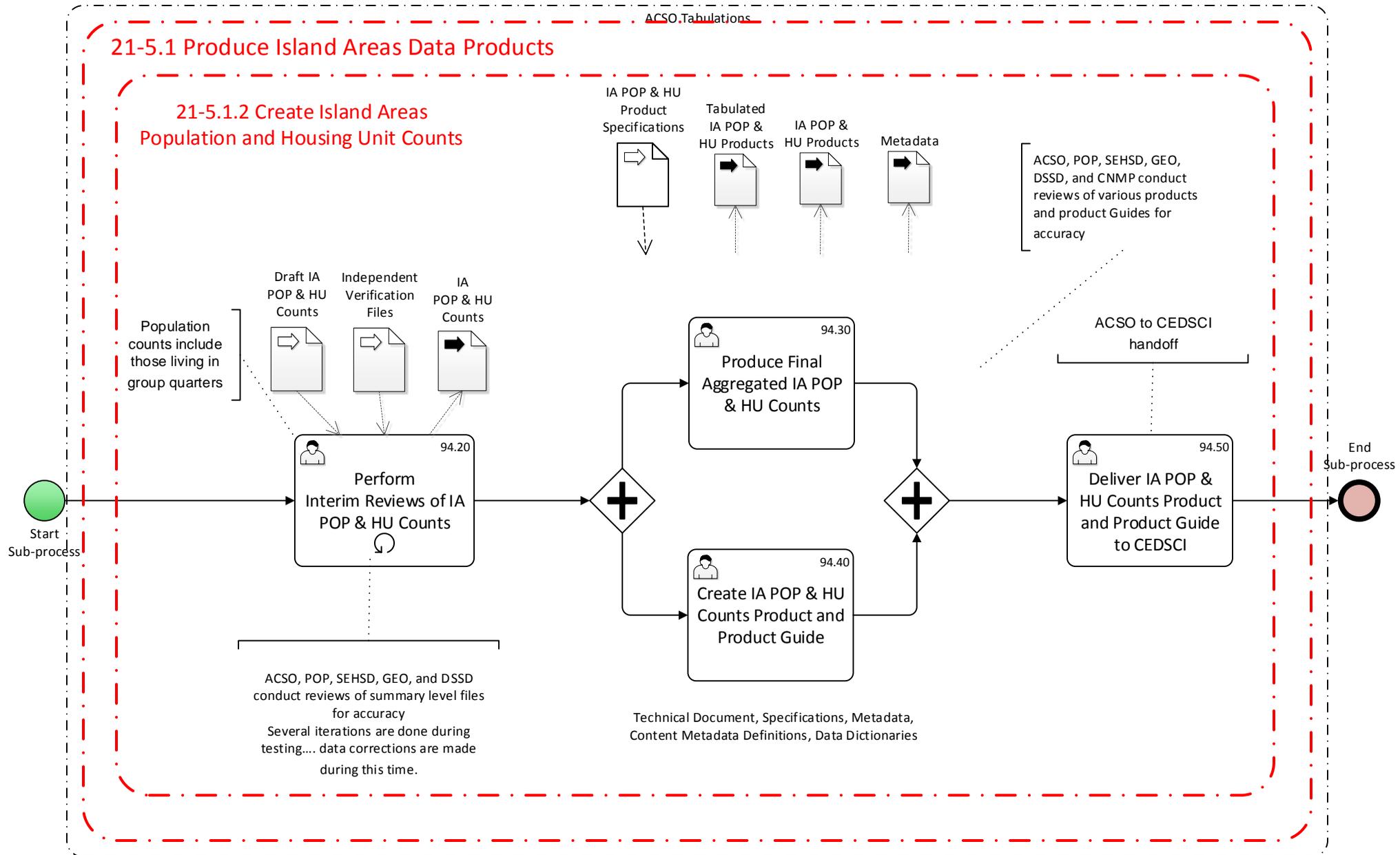
92. Receive & Prepare Island Areas Inputs and Registration Data

Purpose: To receive data needed to tabulate Island Areas (IA) Population and Housing Unit (POP & HU) Counts; create draft IA POP & HU Counts; and register IA external stakeholders.



94. Create Island Areas Population and Housing Unit Counts

Purpose: To review Island Areas (IA) Population and Housing Unit (POP & HU) Counts; provide the verified data to ACSO for tabulation; and deliver the tabulated data to CEDSCI for dissemination.

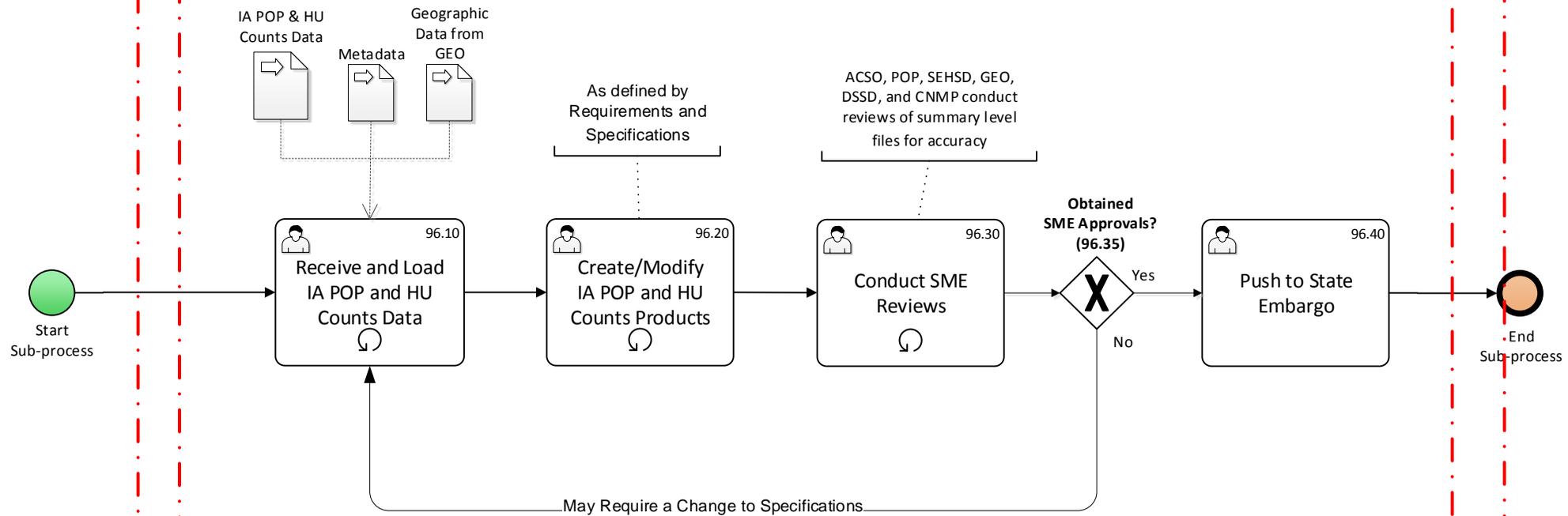


96. Prepare Island Areas Population and Housing Unit Counts Products for Release

Purpose: To prepare Island Areas (IA) Population and Housing Unit (POP & HU) Counts Products for release by creating visualizations using geographic data.

21-5.2 Disseminate Island Areas Data Products

21-5.2.1 Prepare Island Areas Population and Housing Unit Counts Products for Release



98. Disseminate IAs Population and Housing Unit Counts Data

Purpose: To provide an early review of Island Areas (IA) data products to external stakeholders and media, followed by dissemination to the public.

21-5.2.2 Disseminate Island Areas Population and Housing Unit Counts Products

