

RELEASE NOTES

These release notes highlight some general information about SMP for ArcGIS North America TomTom 2017 Release 2 as well as the changes between 2017 Release 2 and 2017 Release 1.

1) System Requirements:

- ArcGIS Desktop or ArcGIS Server 10.4.1 or later
See <http://links.esri.com/streetmap-premium/2017/sys-regs>

2) Patches and Service Packs (strongly recommended):

- **10.4.1 Geocoding General Maintenance Patch** for addressing performance and stability issues when geocoding with ArcGIS Desktop, Engine, and Server
See <http://links.esri.com/streetmap-premium/2017/current-patches-and-service-packs>

3) My Esri Download or Media Contents:

- a. **NATT_2017R2_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
- b. **NATT_2017R2_FGDB.7z.[001...00n]** - MXD and StreetMap_Data folders
- c. **NATT_2017R2_Locators.7z.[001...00n]** - Locators folder with *.lox and *.loc.xml files; *does not contain the *.loc files which are sent by Esri Customer Service (depending on the geography licensed) along with the product license file.*

Refer to the QuickStartGuide.pdf for more information. Note that the QuickStartGuide is now in PDF format rather than HTML.

4) Data Size:

<u>2017R2:</u>	49.0GB;	<u>2017R1:</u>	49.6GB
a. FGDB dataset	28.6GB;		29.1GB
b. Locators	20.4GB;		20.5GB

5) Dataset Changes:

FGDB

- i. Dataset based on TomTom 2017.03 vintage.
- ii. Map Document (MXD) is provided in ArcGIS 10.4.1 version only for use with ArcGIS 10.4.1 or later versions.

- iii. MXD symbolizes the OneWayArrows feature class at 0 to 5k scales to show direction of travel on one-way streets.
- iv. Added American Samoa and Commonwealth of the Northern Mariana Islands for mapping and routing

Point Feature Classes

- v. **Landmark_cities** attributes
Dropped: AREA, PERIMETER, CITIES_, CITIES_ID, PORT_ID, OBJECTID_1, Landmark

Line Feature Classes

- vi. **OneWayArrows** feature class added to show direction of travel on one-way streets in the MXD.

Polygon Feature Classes

- vii. No changes

Tables

- viii. No changes

Refer to the Data Dictionary section in the Help.htm for more information.

6) Locator Changes:

USA - Added American Samoa and Commonwealth of the Northern Mariana Islands; use the USA locators to find street names, ZIP codes, and administrative places in these U.S. territories.

Refer to the Geocoding addresses section 'About the address locators for geocoding' in the Help.htm for more information.

7) Routing/Network Dataset Changes:

- a. Since 2017 Release 1, street classifications are no longer used to assume speeds along street segments (MinutesObserved attribute) which were too optimistic. Rather, the average of actual speed observations along street segments is now used (FT/TF_Minutes attribute), so users should see more realistic travel times when performing network analyses.

- b. The cost attribute 'Minutes' now uses values from the FT_MINUTES and TF_MINUTES attributes instead of the MinutesObserved attribute which was dropped from the Routing_Streets feature class. The MinutesObserved attribute will be dropped from the Streets feature class in a future release.
- c. The existing impedance 'Minutes' should now be used in place of the 'AverageTravelTime' impedance which has been deprecated.
- d. The cost attribute 'Travel Time' now points to the cost attribute 'Minutes' rather than the cost attribute 'AverageTravelTime' for time-neutral evaluations.

Refer to the Routing section 'About the routing services' in the Help.htm for more information.

8) Deprecations:

The 'AverageTravelTime' impedance has been deprecated. Use the 'Minutes' impedance instead.