# StreetMap Premium for ArcGIS
Asia Pacific

**2019 Release 1** 27 June 2019

## RELEASE NOTES

These release notes highlight some general information about SMP for ArcGIS Asia Pacific 2019 Release 1 as well as the changes between 2019 Release 1 and 2018 Release 1.

### 1) System Requirements:

| StreetMap Premium Component | Software |
|---|---|
| FGDB dataset for mapping and routing, and locators for geocoding | ArcGIS Desktop or ArcGIS Enterprise 10.6.1 or later<br>ArcGIS Pro 2.3.3 or later |

See http://links.esri.com/streetmap-premium/2019/sys-reqs

**Note:** There are now two different sets of locators included in StreetMap Premium. The classic locators are the ones that have been included with StreetMap Premium over the last few years. The new locators are a new style of locators similar to the ones used for the ArcGIS Online World Geocoding Service. However, since StreetMap Premium utilizes primarily HERE data for the source of address data, and the ArcGIS Online World Geocoding Service utilizes HERE data plus other vendors or public sources of information, some countries' geocoding results may vary. When using these new locators, it is always highly recommended that you run the most recent releases of ArcGIS Pro and/or ArcGIS Enterprise.

### 2) Patches and Service Packs (strongly recommended):

- **10.6.1 ArcGIS Server Pre-Planned Routes Patch** for addressing an issue with route layers created with the Share as Route Layers geoprocessing tool in ArcGIS Pro.
  See http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
- **10.6.1 Portal for ArcGIS Security 2019 Update 1 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
  See http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
- **10.6.1 ArcGIS Server Security 2019 Update 1 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
  See http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
- **10.7 ArcGIS Network Analyst Function Evaluator Patch** for addressing an issue when performing a network analysis on a network dataset that models height-, weight-, width-, or length-based restrictions using a function evaluator, this patch resolves an issue where roads are being incorrectly restricted when using a start time.
  See http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs

**3) My Esri Download or Media Contents:**

a. **AP_2019R1_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
b. **AP_2019R1_FGDB.7z.[001…00n]** - MXD and StreetMap_Data folders
c. **AP_2019R1_ClassicLocators.7z** - ClassicLocators folder
d. **AP_2019R1_NewLocators.7z** – NewLocators folder

**Refer to the QuickStartGuide.pdf for more information.**

**4) Data Size:**

| | 2019R1: | 47.5GB; | 2018R1: | 30.9GB |
|---|---|---|---|---|
| a. | FGDB dataset | 21.2GB; | | 19.9GB |
| b. | Classic Locators | 13.3GB; | | 11.0GB |
| c. | New Locators | 13.0GB; | | |

**5) Dataset Changes:**

**FGDB**

i. Dataset based on HERE 2019 Q1 vintage
ii. Map Document (MXD) is provided in ArcGIS 10.6.1 version only for use with 10.6.1 or later versions. MXD file name changed from HERE_AP.mxd to AsiaPacific.mxd to match file geodatabase name.

**Point Feature Classes**

iii. No changes

**Line Feature Classes**

iv. MapHighways attributes
Added: ORDER1_ABBR
v. MapMajorRoads attributes
Added: ORDER1_ABBR
vi. MapMotorways attributes
Added: ORDER1_ABBR
vii. Routing_Streets attributes
Added: SUPPLEMENTAL_GEO_BITSET, FT/TF_RST_SPEED_LIMIT, ADMIN1_ABBR

viii. Streets attributes
    1. Added: SUPPLEMENTAL_GEO_BITSET, ORDER1_ABBR
    2. Dropped: SHIELD_MASK, ROUTE_TYPE2, SHIELD_LBL2, SHIELD_CL2
ix. Streetscarto attributes
    1. Added: ORDER1_ABBR
    2. Dropped: ROUTE_TYPE2, SHIELD_LBL2, SHIELD_CL2

**Polygon Feature Classes**

x. No changes

**Tables**

xi. Profiles attributes
    Dropped: Profile_ID

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

**6) <u>Locator Changes:</u>**

a. Locator 7-zip files on My Esri download page or shipped media now contain all locator files/all extensions. Esri Customer Service will no longer email a separate .zip file containing the locator files with *.loc extensions.

b. 14 New locators based on HERE Q119 vintage added:
    i. AsiaPacific.loc
    ii. AUS.loc
    iii. BRN.loc
    iv. HKG.loc
    v. IDN.loc
    vi. IND.loc
    vii. KHM.loc
    viii. MAC.loc
    ix. MYS.loc
    x. NZL.loc
    xi. PHL.loc
    xii. SGP.loc
    xiii. THA.loc
    xiv. VNM.loc

**Refer to the Geocoding addresses section 'About the new address locators for geocoding' in the Help.htm or** https://enterprise.arcgis.com/en/streetmap-premium/latest/get-started/use-new-locators.htm **for more information.**

**7) Routing/Network Dataset Changes:**

a. 'TravelTime Speed Limit' descriptor attribute added. Using ArcGIS 10.6 or later or ArcGIS Pro 2.1 or later, if a descriptor attribute has the same name as a traffic evaluator cost attribute followed by the words 'Speed Limit' (for example, a cost attribute named 'TravelTime' has an associated descriptor attribute named 'TravelTime Speed Limit'), then the edge traffic evaluators on the cost attribute will return travel times that are limited to the speed specified in the descriptor attribute. These values take into account the posted legal speed limits for each roadway.

b. Network field evaluators are now defined using Python expressions rather than VBScript expressions for Linux users.

c. Truck Speed Limit attributes (Routing_Streets.FT/TF_RST_TRUCK_SPEED_LIMIT and Streets.FT/TF_TruckSpeedLimit) for TruckTravelTime cost attribute revised from:

From Truck Speed Limit is the slowest value between [F_RCAT25_48] and [JurisdictionalTruckSpeed];

Toward Truck Speed Limit is the slowest value between [T_RCAT25_48] and [JurisdictionalTruckSpeed];

to:

From Truck Speed Limit is the slowest value between [F_RCAT25_48], [JurisdictionalTruckSpeed], and [FROM_REF_SPEED_LIMIT];

Toward Truck Speed Limit is the slowest value between [T_RCAT25_48], [JurisdictionalTruckSpeed], and [TO_REF_SPEED_LIMIT]

so that truck speeds are capped/do not exceed the general speed limit of roadways.

d. Routing_Streets.ROAD_CLASS and Streets.ROAD_CL attributes for roundabouts (value = 5) now derived from the Streets feature class attribute INTERSECTION_CATEGORY = 4 (Roundabout) or 6 (Special Traffic Figure) instead of from attribute Roundabout = 'Y'.

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

**8) <u>Deprecations:</u>**

None