ArcGIS StreetMap Premium
Middle East and Africa

2019 Release 1   12 December 2019

RELEASE NOTES

These release notes highlight some general information about ArcGIS StreetMap Premium Middle East and Africa 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 ArcGIS Pro 2.3.3 or later

See https://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 General Update Patch** for addressing general quality improvements as well as targeted fixes for the most frequently reported failures.
     See https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
   - **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 https://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 https://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 https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
   - **10.6.1 Portal for ArcGIS Security 2019 Update 2 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
     See https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs

- **10.6.1 ArcGIS Server Security 2019 Update 2 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
  See https://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 https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
- **10.7.1 Portal for ArcGIS Security 2019 Update 2 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
  See https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs
- **10.7.1 ArcGIS Server Security 2019 Update 2 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
  See https://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs

3) **My Esri Download or Media Contents:**
   a. **MA_2019R1_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
   b. **MA_2019R1_FGDB.7z** - MXD and StreetMap_Data folders
   c. **MA_2019R1_ClassicLocators.7z** - ClassicLocators folder
   d. **MA_2019R1_NewLocators.7z** - NewLocators folder

   Refer to the QuickStartGuide.pdf for more information.

4) **Data Size:**

2019R1:		19.06GB;	2018R1:	18.24GB
a.	FGDB dataset	11.80GB;		11.80GB
b.	Classic Locators	3.46GB;		3.03GB
c.	New Locators	3.80GB;		3.41GB

5) **Dataset Changes:**

FGDB

i.   Dataset based on HERE 2019 Q3 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_MA.mxd to MiddleEastandAfrica.mxd to match file geodatabase name.

iii. Country name attribute changes: 'Swaziland' to 'eSwatini'

iv. Product name change from 'StreetMap Premium for ArcGIS' to 'ArcGIS StreetMap Premium'.

Point Feature Classes

v.   DistanceMarkers attributes

   1. Added: LINK_ID
   2. Removed: STREET_ADDRESS_ID

Line Feature Classes

vi.   MapHighways attributes

   Added: ORDER1_ABBR

vii. MapMajorRoads attributes

   Added: ORDER1_ABBR

viii. MapMotorways attributes

   Added: ORDER1_ABBR

ix.   Routing_Streets attributes

   Added: ADMIN1_ABBR

x.   Streets attributes

   1. Added: ORDER1_ABBR
   2. Removed: SHIELD_MASK, ROUTE_TYPE2, SHIELD_LBL2, SHIELD_CL2

xi.   Streetscarto attributes

   1. Added: ORDER1_ABBR
   2. Removed: ROUTE_TYPE2, SHIELD_LBL2, SHIELD_CL2

Polygon Feature Classes

xii. No changes

Tables

xiii. Profiles attributes

   Removed: PROFILE_ID

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

6) **Locator Changes:**

    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. 21 New locators based on HERE Q319 vintage added:

        i. ARE.loc;
        ii. BHR.loc;
        iii. BWA.loc:
        iv. EGY.loc;
        v. ISR.loc;
        vi. JOR.loc;
        vii. KEN.loc;
        viii. KWT.loc;
        ix. LBN.loc;
        x. LSO.loc;
        xi. MAR.loc;
        xii. MiddleEastAfrica.loc;
        xiii. MOZ.loc;
        xiv. NAM.loc;
        xv. NGA.loc;
        xvi. OMN.loc;
        xvii. QAT.loc;
        xviii. REU.loc;
        xix. SAU.loc;
        xx. SWZ.loc;
        xxi. ZAF.loc

Refer to the Geocoding addresses section 'About the new address locators for geocoding' in the Help.htm or https://links.esri.com/streetmap-premium/new-locators **for more information.**

7) **Routing/Network Dataset Changes:**
   a. Network field evaluators are now defined using Python expressions rather than VBScript expressions for Linux users.

   b. 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.

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

8) **Deprecations:**
   None