StreetMap Premium for ArcGIS
Middle East and Africa HERE

esri

2018 Release 1   20 December 2018

RELEASE NOTES

These release notes highlight some general information about SMP for ArcGIS Middle East and Africa HERE (MAHR) 2018 Release 1 as well as the changes between 2018 Release 1 and 2017 Release 1.

1) System Requirements:

StreetMap Premium Component	Software
FGDB dataset for mapping and routing, and classic locators for geocoding	ArcGIS Desktop or ArcGIS Server 10.5.1 or later ArcGIS Pro 2.1.3 or later
New locators for geocoding	ArcGIS Enterprise 10.6 or later ArcGIS Pro 2.1.3 or later

See http://links.esri.com/streetmap-premium/2018/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 identical 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:
- **10.5.1 ArcGIS Server Improper Access Control Security Patch** for addressing a specific access control vulnerability found in ArcGIS Server
  See http://links.esri.com/streetmap-premium/2018/current-patches-and-service-packs
- **10.6 ArcGIS Server Improper Access Control Security Patch** for addressing a specific access control vulnerability found in ArcGIS Server
  See http://links.esri.com/streetmap-premium/2018/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 http://links.esri.com/streetmap-premium/2018/current-patches-and-service-packs

3) **My Esri Download or Media Contents:**
   a. **MAHR_2018R1_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
   b. **MAHR_2018R1_FGDB.7z** - MXD and StreetMap_Data folders
   c. **MAHR_2018R1_ClassicLocators.7z** - ClassicLocators folder
   d. **MAHR_2018R1_NewLocators.7z** - NewLocators folder

   Refer to the QuickStartGuide.pdf for more information.

4) **Data Size:**

   2018R1:   18.24GB;   2017R1:   13.33GB
   a. FGDB dataset   11.80GB;   10.90GB
   b. Classic Locators   3.03GB;   2.43GB
   c. New Locators   3.41GB

5) **Dataset Changes:**
   FGDB
   i. Dataset based on HERE 2018 Q3 vintage
   ii. Map Document (MXD) is provided in ArcGIS 10.5.1 version only for use with 10.5.1 or later versions.
   iii. Country name attribute changes: Gaza Strip from 'Gaza Strip' to 'Palestine'
   Point Feature Classes
   iv. No changes
   Line Feature Classes
   v. Routing_Streets attributes
      1. Added: SUPPLEMENTAL_GEO_BITSET; FT/TF_RST_SPEED_LIMIT
      2. Renamed: RST_TOLL_ROAD_AUTOMOBILE to RST_TOLL_ROAD_AUTOMOBILES
      3. Renamed: FT/TF_RST_KINGPIN_REAR_AXLE_LENGTH to FT/TF_RST_KINGPIN_REAR_AXL_LENGTH
      4. FT/TF_RST_TRUCK_SPEED_LIMIT – Long(4) to Short(2)

vi.   Streets attributes
1.   Added: SUPPLEMENTAL_GEO_BITSET; FT/TF_TruckSpeedLimit
2.   KPH – Long(4) to Short(2)
3.   FT/TF_AverageSpeed – Double(8) to Float(4)
4.   JurisdictionalTruckSpeed – Long(4) to Short(2)
5.   F/T_RCAT25_48 – Long(4) to Short(2)
6.   FT/TF_TruckKPH – Double(8) to Float(4)

Polygon Feature Classes
vii.   No changes
Tables
viii.   No changes

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.   21 New locators based on HERE Q318 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 address locators for geocoding' in the Help.htm for more information.

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

a.   Added 'TruckMinutes' impedance/cost attribute. The calculation logic of the 'TruckTravelTime' impedance has been moved to the 'TruckMinutes' impedance.

With this 2018 SMP release and using ArcGIS 10.6 or later, when a start time is specified, the new calculation logic of the 'TruckTravelTime' impedance uses a combination of historic traffic information and jurisdictional truck speed limits to give more realistic travel times. If a start time is not specified, the 'TruckTravelTime' impedance will fall back to the 'TruckMinutes' impedance logic.

With previous 2017 SMP releases and/or using ArcGIS 10.5.1 or earlier, when a start time is specified, the 'TruckTravelTime' uses the historic traffic information for automobiles, which is less realistic. In this case it is recommended to use the 'TruckMinutes' impedance instead. If a start time is not specified, the 'TruckTravelTime' impedance will fall back to the 'TruckMinutes' impedance logic.

b.   Added 'Vehicle Maximum Speed (km/h)' parameter to 'TravelTime' and 'TruckTravelTime' cost attributes that allows for a user-specified maximum speed limit for vehicles. This parameter is useful for setting maximum possible speeds for slow vehicles such as farm equipment, cement trucks, or golf carts, etc. that cannot achieve normal traffic speeds.

c.   'Truck Speed Limit' descriptor attribute renamed to 'TruckTravelTime Speed Limit' in order to associate the descriptor attribute with the historical traffic speeds found in the 'TruckTravelTime' cost attribute.

     d.   'TravelTime Speed Limit' and 'TruckTravelTime Speed Limit' descriptor attributes 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.

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

8) **Deprecations:**
    None