

ARCGIS PRO LICENSING

I. TOOLBOXES LICENSING

1. 3D Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
3D Features toolset			
Enclose Multipatch	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Enforce River Monotonicity	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Is Closed 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
LAS Building Multipatch	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Simplify 3D Line	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Conversion toolset			
ASCII 3D To Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature Class Z To ASCII	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature To 3D By Attribute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Features From CityEngine Rules	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import 3D Files	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Layer 3D To Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extraction toolset			
Extract Multipatch From Mesh	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Extract Power Lines From Point Cloud	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
LAS Building Multipatch	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Multipatch Footprint	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularize Adjacent Building	Requires 3D	Requires 3D	Requires 3D

Footprint	Analyst	Analyst	Analyst
Regularize Building Footprint	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Interpolation toolset			
Interpolate Polygon to Multipatch	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Interpolate Shape	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Update Feature Z	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
3D Intersections toolset			
Fence Diagram	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Intersect 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Intersect 3D Line With Multipatch	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Intersect 3D Line With Surface	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Intersect 3D Lines	Requires 3D Analyst or ArcGIS Location Referencing	Requires 3D Analyst or ArcGIS Location Referencing	Requires 3D Analyst or ArcGIS Location Referencing
Stack Profile	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
3D Proximity toolset			
Buffer 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Generate Clearance Surface	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Difference 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Inside 3D	Requires 3D	Requires 3D	Requires 3D

	Analyst	Analyst	Analyst
Locate LAS Points By Proximity	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Near 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Union 3D	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Area and Volume toolset			
Cut Fill	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Extrude Between	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Minimum Bounding Volume	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Polygon Volume	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Surface Difference	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Surface Volume	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Point Cloud toolset			
Colorize LAS	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Extract LAS	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Extract Objects From Point Cloud	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Thin LAS	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Tile LAS	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classification toolset			

Change LAS Class Codes	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classify LAS Building	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classify LAS By Height	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classify LAS Ground	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classify LAS Noise	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classify LAS Overlap	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Set LAS Class Codes Using Features	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Set LAS Class Codes Using Raster	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classification (Deep Learning) toolset			
Classify Point Cloud Using Trained Model	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Evaluate Point Cloud Classification Model	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Prepare Point Cloud Training Data	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Train Point Cloud Classification Model	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Conversion toolset			
LAS To Multipoint	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
LAS Dataset To TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Classification (Deep Learning) toolset			
Detect Objects From Point Cloud Using Trained Model	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst

Prepare Point Cloud Training Data	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Train Point Cloud Object Detection Model	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Raster toolset			
Conversion toolset			
Raster Domain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Raster to Multipoint	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Raster to TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Interpolation toolset			
IDW	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Kriging	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Natural Neighbor	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Spline	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Spline with Barriers	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Topo to Raster	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Topo to Raster by File	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst

Trend	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Math toolset			
Divide	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Float	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Int	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Minus	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Plus	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Times	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Reclass toolset			
Lookup	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Reclass by ASCII File	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Reclass by Table	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Reclassify	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst

Slice	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Surface toolset			
Aspect	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Contour	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Contour List	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Contour with Barriers	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Curvature	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Hillshade	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Slope	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Surface Parameters	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Statistics toolset			
Add Surface Information	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Add Z Information	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LAS Height Metrics	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
LAS Point Statistics By Area	Requires 3D	Requires 3D	Requires 3D

	Analyst	Analyst	Analyst
Point File Information	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Terrain Dataset toolset			
Add Feature Class To Terrain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Add Terrain Pyramid Level	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Append Terrain Points	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Build Terrain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Change Terrain Reference Scale	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Change Terrain Resolution Bounds	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Create Terrain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Delete Terrain Points	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Remove Feature Class From Terrain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Remove Terrain Pyramid Level	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Replace Terrain Points	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Conversion toolset			
Terrain To Points	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Terrain to Raster	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Terrain to TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst

TIN Dataset toolset			
Copy TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Create TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Decimate TIN Nodes	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Delineate TIN Data Area	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Edit TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Conversion toolset			
LandXML to TIN	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Domain	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Edge	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Line	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Node	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Polygon Tag	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN To Raster	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
TIN Triangle	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Triangulated Surface toolset			
Locate Outliers	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Surface Aspect	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst

Surface Contour	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Surface Slope	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Visibility toolset			
Construct Sight Lines	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Geodesic Viewshed	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Intervisibility	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Line of Sight	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Skyline	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Skyline Barrier	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Skyline Graph	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Sun Shadow Frequency	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Sun Shadow Volume	Requires 3D Analyst	Requires 3D Analyst	Requires 3D Analyst
Observer Points	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Viewshed	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst
Visibility	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst

2. AllSource toolbox

Toolset/Tool	Basic	Standard	Advanced
Analysis toolset			
Find Overlaps		✓	✓
Blind Spot toolset			
Generate Blind Spot Areas		✓	✓
Generate Coverage Areas		✓	✓
Suitability toolset			
DOF To Obstacle Features	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst
Drop Zone Suitability	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Generate HLZ Suitability	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst
Generate Obstacle Features	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst	Requires 3D Analyst and Spatial Analyst
Least Cost Path	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Conversion toolset			
Create Location File From Text File		✓	✓
Batch Import Data		✓	✓
Points To Track Segments	✓	✓	✓
Movement toolset			
Compare Areas			✓
Find Cotravelers			✓
Find Frequented Locations			✓

Toolset/Tool	Basic	Standard	Advanced
Find Meeting Locations			<input checked="" type="checkbox"/>
Classify Movement Events		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select Movement Tracks		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. Analysis toolbox

Toolset/Tool	Basic	Standard	Advanced
Extract toolset			
Clip	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Split			<input checked="" type="checkbox"/>
Split By Attributes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table Select	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overlay toolset			
Apportion Polygon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Count Overlapping Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Erase			<input checked="" type="checkbox"/>
Identity			<input checked="" type="checkbox"/>
Intersect			
Some parameters are limited by license level—see the tool reference page for more detail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Overlap (multiple)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spatial Join	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Symmetrical Difference			<input checked="" type="checkbox"/>
Union			
Some parameters are limited by license level—see the tool reference page for more detail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Update			✓
Pairwise Overlay toolset			
Pairwise Buffer	✓	✓	✓
Pairwise Clip	✓	✓	✓
Pairwise Dissolve	✓	✓	✓
Pairwise Erase	✓	✓	✓
Pairwise Integrate	✓	✓	✓
Pairwise Intersect	✓	✓	✓
Proximity toolset			
Buffer			
Some parameters are limited by license level—see the tool reference page for more detail.	■	✓	✓
Create Thiessen Polygons			✓
Generate Near Table	✓	✓	✓
Generate Origin Destination Links	✓	✓	✓
Graphic Buffer	✓	✓	✓
Multiple Ring Buffer	✓	✓	✓
Near	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Polygon Neighbors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Statistics toolset			
Enrich	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Frequency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summary Statistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summarize Nearby	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summarize Within	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tabulate Intersection			<input checked="" type="checkbox"/>

4. Aviation toolbox

Toolset/Tool	Basic	Standard	Advanced
Airports toolset			
Analysis toolset			
Analyze Airport Features		Requires Airports	Requires Airports
Analyze LAS Runway Obstacles		Requires Airports, 3D Analyst	Requires Airports, 3D Analyst
Analyze Runway Obstacles		Requires Airports	Requires Airports
Generate OIS Obstacle Data		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Generate OIS Profile Data		Requires Airports or	Requires Airports or ArcGIS

Toolset/Tool	Basic	Standard	Advanced
		ArcGIS Aviation Charting	Aviation Charting
Data Exchange toolset			
Export FAA 18B Shapefiles		Requires Airports	Requires Airports
Import FAA 18B Shapefiles		Requires Airports	Requires Airports
Heliport Obstruction Identification Surfaces toolset			
FAA 2C		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
ICAO Annex 14 Heliports		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Obstruction Identification Surfaces toolset			
Create Curved Approach		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
FAA13		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
FAA 13 Runway Protection Surfaces		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
FAA 18B		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting

Toolset/Tool	Basic	Standard	Advanced
FAA FAR 77		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Generate OIS Intersection		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
ICAO Annex 14		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
ICAO Annex 15		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
ICAO Annex 4 Surfaces		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Light Signal Clearance Surface		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
PAPI Obstacle Clearance Surface		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Unified Facilities Criteria		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Charting toolset			
Cartography toolset			

Toolset/Tool	Basic	Standard	Advanced
Add Aviation Line Bypass		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Aggregate Obstacles		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Generate Airway Corridors		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Rotate Aviation Features		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Update Aviation Annotation		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Data Exchange toolset			
Export AIXM 5.1 Message		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Import AIXM 5.1 Message		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Import DCDT Change File		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Import Digital Obstacle File		Requires Airports or ArcGIS Aviation Charting	Requires Airports or ArcGIS Aviation Charting
Data Management toolset			
Calculate ATS Route Attributes		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting

Toolset/Tool	Basic	Standard	Advanced
Generate Airspace Areas			Requires ArcGIS Aviation Charting
Generate Airspace Lines		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Generate Aviation Cartographic Features		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Generate Changeover Points		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Generate Derived Airspace Geometry		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Generate Summary Table Data		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Group Route Segments		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Prepare Aviation Data		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Process Air Traffic Service Routes		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Report Aviation Chart Changes		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting
Layout toolset			
Generate Aviation Chart Leads		Requires ArcGIS Aviation Charting	Requires ArcGIS Aviation Charting

5. Bathymetry toolbox

Toolset/Tool	Basic	Standard	Advanced
BIS Data toolset			
BIS To Mosaic Dataset		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
BIS Management toolset			
Add Data To BIS		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Add Point Data To BIS		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Analyze BIS		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Create BIS		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Remove Data From BIS		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Utilities toolset			
Reduce Point Density		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Smooth Bathymetric TIN		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry

6. Business Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
Analysis toolset			
Calculate Market Penetration	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Color Coded Layer	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Enrich Layer			<input checked="" type="checkbox"/>
Support for locally installed Business Analyst data requires a Business Analyst license.			
Find Nearby Locations	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Desire Lines	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension
Generate Grids and Hexagons	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension
Generate Points from Business Listings	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Modeling toolset			
Huff Model	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Huff Model Calibration	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Reports toolset			

Toolset/Tool	Basic	Standard	Advanced
Import Business Analyst Report Template	Requires Business Analyst	<input checked="" type="checkbox"/>	Requires Business Analyst
Summary Reports	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Statistical Data Collections toolset			
Generate SDCX Index	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Suitability Analysis toolset			
Add Field Based Suitability Criteria	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Add Point Layer Based Suitability Criteria	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension
Add Variable Based Suitability Criteria	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Calculate Suitability Score	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Make Suitability Analysis Layer	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Remove Suitability Criteria	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Set Criteria Properties	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Target Marketing toolset			
Analyze Market Area Gap	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst

Toolset/Tool	Basic	Standard	Advanced
Additional data requirement. See Target Marketing overview. Analyze Market Potential	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Create Target Group	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Export Segmentation Profile	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Generate Customer Segmentation Profile	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Generate Market Area Segmentation Profile	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Generate Segmentation Profile Report	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Generate Survey Report For Profile	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Additional data requirement. See Target Marketing overview. Generate Survey Report For	Requires	Requires	Requires Business

Toolset/Tool	Basic	Standard	Advanced
Targets			
Additional data requirement. See Target Marketing overview.	Business Analyst	Business Analyst	Analyst
Generate Target Group Layer			
Additional data requirement. See Target Marketing overview.	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Target Layer			
Additional data requirement. See Target Marketing overview.	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Target Penetration Layer			
Additional data requirement. See Target Marketing overview.	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Import Segmentation Profile			
Additional data requirement. See Target Marketing overview.	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Import Survey Profiles			
Additional data requirement. See Target Marketing overview.	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Trade Areas toolset			
	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension
Assign Customers By Distance			
	Requires Business Analyst, ArcGIS Network Analyst	Requires Business Analyst, ArcGIS Network Analyst	Requires Business Analyst, ArcGIS Network Analyst
Generate Approximate Drive Times			
	Requires Business Analyst, ArcGIS Network Analyst	Requires Business Analyst, ArcGIS Network Analyst	Requires Business Analyst, ArcGIS Network Analyst extension

Toolset/Tool	Basic	Standard	Advanced
	extension	extension	
Generate Customer Derived Trade Areas	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Drive Time Trade Area	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension	Requires Business Analyst, ArcGIS Network Analyst extension
Generate Geographies From Overlap	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Standard Geography Trade Areas	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Threshold Drive Times	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Threshold Rings	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Trade Area Rings	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Measure Cannibalization	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Remove Overlap	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Remove Overlap (multiple)	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst

7. Cartography toolbox

Toolset/Tool	Basic	Standard	Advanced
Annotation toolset			

Toolset/Tool	Basic	Standard	Advanced
Annotate Selected Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contour Annotation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Labels To Annotation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Labels To Graphics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Map Server Cache Tiling Scheme To Polygons	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tiled Labels To Annotation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Annotation Reference Scale	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cartographic Refinement toolset			
Align Marker To Stroke Or Fill			<input checked="" type="checkbox"/>
Calculate Line Caps		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Polygon Main Angle		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Control Points To Vertices			<input checked="" type="checkbox"/>
Convert Marker Placement To Points			<input checked="" type="checkbox"/>
Create Overpass			<input checked="" type="checkbox"/>
Create Underpass			<input checked="" type="checkbox"/>
Disperse Markers			<input checked="" type="checkbox"/>
Generate Hachures For Defined Slopes			<input checked="" type="checkbox"/>
Set Control Point At Intersect			<input checked="" type="checkbox"/>
Set Control Point By Angle			<input checked="" type="checkbox"/>
Generalization toolset			

Toolset/Tool	Basic	Standard	Advanced
Aggregate Points			<input checked="" type="checkbox"/>
Aggregate Polygons			<input checked="" type="checkbox"/>
Collapse Dual Lines To Center Lines			<input checked="" type="checkbox"/>
Collapse Hydro Polygon			<input checked="" type="checkbox"/>
Collapse Road Detail			<input checked="" type="checkbox"/>
Create Cartographic Partitions			<input checked="" type="checkbox"/>
Delineate Built-Up Areas			<input checked="" type="checkbox"/>
Merge Divided Roads			<input checked="" type="checkbox"/>
Simplify Building			<input checked="" type="checkbox"/>
Simplify Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Simplify Polygon		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Simplify Shared Edges		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smooth Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smooth Polygon		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Smooth Shared Edges		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Thin Road Network			<input checked="" type="checkbox"/>
Graphic Conflicts toolset			
Detect Graphic Conflict			<input checked="" type="checkbox"/>
Propagate Displacement			<input checked="" type="checkbox"/>
Resolve Building Conflicts			<input checked="" type="checkbox"/>
Resolve Road Conflicts			<input checked="" type="checkbox"/>
Map Series toolset			

Toolset/Tool	Basic	Standard	Advanced
Calculate Adjacent Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Central Meridian And Parallels	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Grid Convergence Angle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate UTM Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grid Index Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Strip Map Index Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Masking toolset			
Cul-de-Sac Masks			<input checked="" type="checkbox"/>
Feature Outline Masks			<input checked="" type="checkbox"/>
Intersecting Layers Masks			<input checked="" type="checkbox"/>

8. Conversion toolbox

Toolset/Tool	Basic	Standard	Advanced
Excel toolset			
Excel To Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table To Excel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
From PDF toolset			
PDF To TIFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
From Raster toolset			
Raster To ASCII	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster To Float	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster To Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster To Polygon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Raster To Polyline	✓	✓	✓
From WFS toolset			
WFS To Feature Class	✓	✓	✓
GPS toolset			
Features To GPX	✓	✓	✓
GPX To Features	✓	✓	✓
Graphics toolset			
Features To Graphics	✓	✓	✓
Graphics To Features	✓	✓	✓
JSON toolset			
Features To JSON	✓	✓	✓
JSON To Features	✓	✓	✓
KML toolset			
Layer to KML	✓	✓	✓
Map To KML	✓	✓	✓
KML To Layer			
Some parameters are limited by license level—see the tool reference page for more detail.	■	✓	✓
LAS toolset			
Convert LAS	Requires Spatial Analyst or 3D Analyst	✓	✓
LAS Dataset To Raster	Requires Spatial Analyst or 3D Analyst	✓	✓

Toolset/Tool	Basic	Standard	Advanced
	Analyst		
Point Cloud To Raster	Requires Spatial Analyst or 3D Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SAS toolset			
SAS To Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table To SAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
To CAD toolset			
Add CAD Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export To CAD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
To Collada toolset			
Multipatch To Collada	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
To dBASE toolset			
Table to dBASE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
To Geodatabase toolset			
BIM File to Geodatabase	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CAD to Geodatabase	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract BIM File Floorplan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Locations from Document	Requires LocateXT	Requires LocateXT	Requires LocateXT
Extract Locations from Text	Requires LocateXT	Requires LocateXT	Requires LocateXT

Toolset/Tool	Basic	Standard	Advanced
Feature Class To Geodatabase	✓	✓	✓
Mobile Geodatabase To File Geodatabase	✓	✓	✓
Raster To Geodatabase	✓	✓	✓
Table To Geodatabase	✓	✓	✓
To GeoPackage toolset			
Add Raster To GeoPackage	✓	✓	✓
To Raster toolset			
Feature To Raster	✓	✓	✓
Multipatch to Raster	✓	✓	✓
Point to Raster	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	✓
Polygon To Raster	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	✓
Polyline To Raster	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	✓
Raster To Other Format	✓	✓	✓
To Shapefile toolset			
Feature Class To Shapefile	✓	✓	✓

9. Crime Analysis and Safety toolbox

Toolset/Tool	Basic	Standard	Advanced
80-20 Analysis	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Add Date Attributes	✓	✓	✓
Features To 3D By Time	✓	✓	✓
Find Space Time Matches	✓	✓	✓
Join Attributes From Polygon	✓	✓	✓
Select Layer By Date And Time	✓	✓	✓
Summarize Incident Count	✓	✓	✓
Summarize Percent Change	✓	✓	✓
Update Features With Incident Records	✓	✓	✓
Cell Phone Analysis toolset			
Cell Phone Records to Feature Class	✓	✓	✓
Cell Site Records To Feature Class	✓	✓	✓
Generate Call Links	✓	✓	✓
Generate Sector Lines	✓	✓	✓

10. Data Interoperability toolbox

Toolset/Tool	Basic	Standard	Advanced
Quick Export	Requires Data Interoperability	Requires Data Interoperability	Requires Data Interoperability
Quick Import	Requires Data Interoperability	Requires Data Interoperability	Requires Data Interoperability

11. Data Management toolbox

Toolset/Tool	Basic	Standard	Advanced
3D Objects toolset			
Add 3D Formats		✓	✓
Export 3D Objects		✓	✓
Import 3D Objects		✓	✓
Remove 3D Formats		✓	✓
Archiving toolset			
Disable Archiving		✓	✓
Enable Archiving		✓	✓
Trim Archive History		✓	✓
Attachments toolset			
Add Attachments	✓	✓	✓
Disable Attachments	✓	✓	✓
Downgrade Attachments	✓	✓	✓
Enable Attachments	✓	✓	✓
Export Attachments	✓	✓	✓
Generate Attachment Match Table	✓	✓	✓
Remove Attachments	✓	✓	✓
Upgrade Attachments	✓	✓	✓
Attribute Rules toolset			
Add Attribute Rule		✓	✓
Alter Attribute Rule		✓	✓
Delete Attribute Rule		✓	✓

Toolset/Tool	Basic	Standard	Advanced
Disable Attribute Rules		✓	✓
Enable Attribute Rules		✓	✓
Evaluate Rules		✓	✓
Export Attribute Rules		✓	✓
Import Attribute Rules		✓	✓
Reorder Attribute Rule		✓	✓
Catalog Dataset toolset			
Add Items To Catalog Dataset	✓	✓	✓
Add Portal Items To Catalog Dataset	✓	✓	✓
Create Catalog Dataset	✓	✓	✓
Contingent Values toolset			
Add Contingent Value	✓	✓	✓
Alter Field Group	✓	✓	✓
Create Field Group	✓	✓	✓
Delete Field Group	✓	✓	✓
Export Contingent Values	✓	✓	✓
Import Contingent Values	✓	✓	✓
Remove Contingent Value	✓	✓	✓
Data Comparison toolset			
Detect Feature Changes			✓
Feature Compare	✓	✓	✓
File Compare	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Raster Compare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TIN Compare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table Compare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Loading toolset			
Create Data Loading Workspace	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Mapping Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Data To Preview	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Data Using Workspace	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Data Loading Workspace Schema	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Distributed Geodatabase toolset			
Compare Replica Schema		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Replica		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Replica From Server		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable Replica Tracking		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Replica Tracking		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Acknowledgement Message		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Data Change Message		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Replica Schema		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Message		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Replica Schema		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Re-Export Unacknowledged Messages		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Synchronize Changes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unregister Replica		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Domains toolset			
Alter Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Coded Value To Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Assign Domain To Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Coded Value From Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Domain To Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Domain From Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Value For Range Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sort Coded Value Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table To Domain	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature Binning toolset			
Disable Feature Binning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Feature Binning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Feature Bin Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature Class toolset			
Append Annotation Feature Classes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Some parameters are limited by license level — see the tool			

Toolset/Tool	Basic	Standard	Advanced
reference page for more detail.			
Create Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Unregistered Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Recalculate Feature Class Extent		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Feature Class Split Model	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Features toolset			
Add XY Coordinates	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Adjust 3D Z	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bearing Distance To Line	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Geometry Attributes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Check Geometry			
Some parameters are limited by license level — see the tool reference page for more detail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dice			<input checked="" type="checkbox"/>
Feature Envelope To Polygon			<input checked="" type="checkbox"/>
Feature Vertices To Points			<input checked="" type="checkbox"/>
Feature To Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature To Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature To Polygon		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Geodetic Densify		✓	✓
Minimum Bounding Geometry	✓	✓	✓
Multipart To Singlepart	✓	✓	✓
Points To Line	✓	✓	✓
Polygon to Line			✓
Repair Geometry			
Some parameters are limited by license level — see the tool reference page for more detail.	■	✓	✓
Split Line At Point			✓
Split Line At Vertices			✓
Subdivide Polygon	✓	✓	✓
Table To Ellipse	✓	✓	✓
Unsplit Line			✓
XY Table To Point	✓	✓	✓
XY To Line	✓	✓	✓
Fields toolset			
Add Field	✓	✓	✓
Add Fields	✓	✓	✓
Add Global IDs	✓	✓	✓
Add GPS Metadata Fields	✓	✓	✓
Add Incrementing ID Field		✓	✓
Alter Field	✓	✓	✓
Assign Default To Field	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Batch Update Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate End Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Temporal Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Time Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable COGO		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable Editor Tracking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable COGO		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Editor Tracking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Encode Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Field Statistics To Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Migrate Data Field To High Precision		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reclassify Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standardize Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transform Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transpose Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File Geodatabase toolset			
Compact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Compress File Geodatabase Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate File Geodatabase License		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Generate Licensed File Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Recover File Geodatabase	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Uncompress File Geodatabase Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
General toolset			
Analyze Tools For Pro	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Append	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Database View		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Identical	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Report To PDF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Data From Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Find Identical	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Merge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rename	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sort			
With ArcGIS Pro Basic and ArcGIS Pro Standard, you will only be allowed to sort on one attribute field. To sort on the geometry field or multiple fields, you need ArcGIS Pro Advanced.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Transfer Files	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Upload File To Portal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generalization toolset			
Dissolve	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Eliminate			<input checked="" type="checkbox"/>
Eliminate Polygon Part			<input checked="" type="checkbox"/>
Geodatabase Administration toolset			
Analyze Datasets		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Change Privileges		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Compress		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Configure Geodatabase Log File Tables		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Database Sequence		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Database User		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Enterprise Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Role		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Database Sequence		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Schema Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Diagnose Version Metadata		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Diagnose Version Tables		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Enterprise Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Geodatabase Configuration Keywords		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Geodatabase Configuration Keywords		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Migrate ObjectID To 64-Bit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Migrate Storage		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rebuild Indexes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Register With Geodatabase		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Repair Version Metadata		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Repair Version Tables		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Enterprise Geodatabase License		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Portal Dataset Owner		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upgrade Dataset			
ArcGIS Desktop Standard or Desktop Advanced license is required to upgrade mosaic datasets.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upgrade Geodatabase			
Only file geodatabases can be upgraded at the ArcGIS Desktop Basic license level. ArcGIS Desktop Standard or Desktop Advanced license is required to upgrade enterprise geodatabases.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Indexes toolset			
Add Attribute Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Spatial Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Attribute Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Spatial Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Joins and Relates toolset			
Add Join	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Relate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Spatial Join	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Join Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Join	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Relate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Validate Join	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LAS Dataset toolset			
Add Files To LAS Dataset	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build LAS Dataset Pyramid	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create LAS Dataset	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LAS Dataset Statistics	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
LAS Point Statistics As Raster	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Files From LAS Dataset	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Layers and Table Views toolset			
Apply Symbology From Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Aggregation Query Layer			<input checked="" type="checkbox"/>
Make Building Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Feature Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Image Server Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make LAS Dataset Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Mosaic Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Query Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Query Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Raster Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Scene Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Table View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make TIN Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Trajectory layer		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make WCS Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make XY Event Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Match Layer Symbology To A Style	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Save To Layer File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select Layer By Attribute	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select Layer By Location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package toolset			

Toolset/Tool	Basic	Standard	Advanced
Consolidate Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Consolidate Locator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Consolidate Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Consolidate Toolbox	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Map Tile Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Mobile Map Package			
Some parameters are limited by the Publisher extension—see the tool reference page for more detail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Create Mobile Scene Package			
Some parameters are limited by the Publisher extension—see the tool reference page for more detail.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Create Vector Tile Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Vector Tile Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Consolidate Project	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package 3D Tiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package Locator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package Project	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package Result	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Share Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Package/Scene Layers toolset			
Create 3D Object Scene Layer Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Building Scene Layer Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Integrated Mesh Scene Layer Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Point Cloud Scene Layer Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Point Scene Layer Package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Voxel Scene Layer Content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upgrade Scene Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Validate Scene Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Photos toolset			
GeoTagged Photos To Points	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Match Photos To Rows By Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Projections and Transformations toolset			
Batch Project	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Coordinate Notation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Custom Geographic Transformation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Custom Vertical Transformation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Create Spatial Reference	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Define Projection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Project	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster toolset			
Flip	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mirror	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Project Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Register Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rescale	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rotate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Shift	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Warp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Warp From File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster toolset			
Mosaic Dataset toolset			
Add Rasters To Mosaic Dataset		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alter Mosaic Dataset Schema		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analyze Mosaic Dataset		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Boundary		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Footprints		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Mosaic Dataset Item Cache		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Overviews		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Seamlines		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Calculate Cell Size Ranges		✓	✓
Clear Pixel Cache	✓	✓	✓
Color Balance Mosaic Dataset		✓	✓
Compute Dirty Area		✓	✓
Compute Mosaic Candidates		✓	✓
Create Mosaic Dataset		✓	✓
Create Referenced Mosaic Dataset		✓	✓
Define Mosaic Dataset NoData		✓	✓
Define Overviews		✓	✓
Delete Mosaic Dataset		✓	✓
Edit Raster Function		✓	✓
Export Mosaic Dataset Geometry		✓	✓
Export Mosaic Dataset Items		✓	✓
Export Mosaic Dataset Paths		✓	✓
Generate Exclude Area		✓	✓
Generate Raster Collection	✓	✓	✓
Import Mosaic Dataset Geometry		✓	✓
Merge Mosaic Dataset Items		✓	✓
Mosaic Dataset To Mobile Mosaic Dataset	✓	✓	✓
Remove Rasters From Mosaic Dataset		✓	✓
Repair Mosaic Dataset Paths		✓	✓

Toolset/Tool	Basic	Standard	Advanced
Set Mosaic Dataset Properties		✓	✓
Split Mosaic Dataset Items		✓	✓
Synchronize Mosaic Dataset		✓	✓
Ortho Mapping toolset			
Analyze Control Points		✓	✓
Append Control Points		✓	✓
Apply Block Adjustments		✓	✓
Build Stereo Model	✓	✓	✓
Compute Block Adjustments			
The tool requires the ArcGIS Desktop Advanced license when the Transformation Type value is set to RPC or Frame.		✓	✓
Compute Camera Model		Requires ArcGIS Reality for ArcGIS Pro	✓
Compute Control Points		✓	✓
Compute Depth Map		✓	✓
Compute Fiducials		Requires ArcGIS Reality for ArcGIS Pro	✓
Compute Tie Points		✓	✓
Export Frame And Camera Parameters	✓	✓	✓
Generate Block Adjustment Report	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Generate Point Cloud		Requires ArcGIS Reality for ArcGIS Pro	<input checked="" type="checkbox"/>
Interpolate From Point Cloud		Requires ArcGIS Reality for ArcGIS Pro	<input checked="" type="checkbox"/>
Match Control Points		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Depth Map		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Interior Orientation		Requires ArcGIS Reality for ArcGIS Pro	<input checked="" type="checkbox"/>
Raster Dataset toolset			
Copy Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Random Raster	Requires 3D Analyst or Spatial Analyst	Requires 3D Analyst or Spatial Analyst	<input checked="" type="checkbox"/>
Create Raster Dataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Download Rasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Raster From Raster Function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mosaic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mosaic To New Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Workspace To Raster Dataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster Processing toolset			
Clip	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite Bands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Compute Pan-sharpening Weights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Color Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Ortho Corrected Raster Dataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Pan-Sharpned Raster Dataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Subdataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Table From Raster Function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster To DTED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Resample	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Split Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster Properties toolset			
Add Colormap	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch Build Pyramids	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch Calculate Statistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Pyramids	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Pyramids and Statistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Raster Attribute Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Statistics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Raster Function Template	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Colormap	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Raster Attribute Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Export Raster World File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Cell Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Raster Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Raster Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Relationship Classes toolset			
Add Rule to Relationship Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Relationship Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Migrate Relationship Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Rule From Relationship Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Relationship Class Split Policy	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table To Relationship Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sampling toolset			
Create Fishnet	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Random Points	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Spatial Sampling Locations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Spatially Balanced Points	Requires Geostatistical Analyst	Requires Geostatistical Analyst	<input checked="" type="checkbox"/>
Generate Points Along Lines	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Rectangles Along Lines	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Tessellation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Transects Along Lines	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Subset Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Subtypes toolset			
Add Subtype	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Subtype	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Default Subtype	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Subtype Field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table toolset			
Analyze		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy Rows	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Unregistered Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Rows	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pivot Table			<input checked="" type="checkbox"/>
Truncate Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tile Cache toolset			
Export Tile Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Tile Cache Tiling Scheme	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Tile Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Tile Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Toolbox toolset			
Analyze Toolbox For Version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Analyze Tools For Pro	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Save Toolbox To Version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Topology toolset			
Add Feature Class To Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Rule To Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Topology Errors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Feature Class From Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Rule From Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Cluster Tolerance		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Validate Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trajectory toolset			
Add Data To Trajectory Dataset		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Trajectory Dataset		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Repair Trajectory Dataset		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Versions toolset			
Add Field Conflict Filter		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alter Version			
Some additional license restrictions apply—see the tool reference page for more details.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Change Version		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Version		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Some additional license restrictions apply—see the tool reference page for more details. Delete Version			
Some additional license restrictions apply—see the tool reference page for more details. Reconcile Versions		✓	■
Some additional license restrictions apply—see the tool reference page for more details. Register As Versioned		✓	■
Remove Field Conflict Filter		✓	✓
Unregister As Versioned		✓	✓
Workspace toolset			
Create Cloud Storage Connection File	✓	✓	✓
Create Database Connection		✓	✓
Create Database Connection String	✓	✓	✓
Create Feature Dataset	✓	✓	✓
Create File Geodatabase	✓	✓	✓
Create Folder	✓	✓	✓
Create Mobile Geodatabase	✓	✓	✓
Create Spatial Type		✓	✓
Create SQLite Database	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Clear Workspace Cache	✓	✓	✓
Convert Schema Report	✓	✓	✓
Export XML Workspace Document	✓	✓	✓
Generate Schema Report	✓	✓	✓
Import XML Workspace Document	✓	✓	✓
Refresh Excel	✓	✓	✓
Update Geodatabase Connection Properties To Branch		✓	✓

12. Data Reviewer toolbox

Toolset/Tool	Basic	Standard	Advanced
Data Validation toolset			
Execute Reviewer Batch Job	Requires Data Reviewer	Requires Data Reviewer	Requires Data Reviewer
Write To Reviewer Table	Requires Data Reviewer	Requires Data Reviewer	Requires Data Reviewer
Result Management toolset			
Create Reviewer Session	Requires Data Reviewer	Requires Data Reviewer	Requires Data Reviewer
Delete Reviewer Session	Requires Data Reviewer	Requires Data Reviewer	Requires Data Reviewer

Toolset/Tool	Basic	Standard	Advanced
Enable Data Reviewer	Requires Data Reviewer	Requires Data Reviewer	Requires Data Reviewer

13. Defense toolbox

Toolset/Tool	Basic	Standard	Advanced
Conversion toolset			
Coordinate Table To 2-Point Line	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coordinate Table To Ellipse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coordinate Table To Line Of Bearing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coordinate Table To Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coordinate Table To Polygon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coordinate Table To Polyline	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Coordinate Notations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Distance and Direction toolset			
Generate Range Fans	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Range Fans From Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Range Rings	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Range Rings From Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gridded Reference Graphic toolset			
Generate Grid From Area	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Grid From Point			<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Generate Reference System Grid From Area	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Number and Letter toolset			
Letter Features			<input checked="" type="checkbox"/>
Letter Intersections			<input checked="" type="checkbox"/>
Number Features			<input checked="" type="checkbox"/>
Number Features By Sector			<input checked="" type="checkbox"/>
Visibility toolset			
Find Highest Or Lowest Point			<input checked="" type="checkbox"/>
Find Local Peaks Or Valleys			<input checked="" type="checkbox"/>
Linear Line Of Sight			<input checked="" type="checkbox"/>
Radial Line Of Sight			<input checked="" type="checkbox"/>
Radial Line Of Sight And Range			<input checked="" type="checkbox"/>

14. Editing toolbox

Toolset/Tool	Basic	Standard	Advanced
Densify		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Erase Point		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extend Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flip Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generalize		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Simplify By Straight Lines and Circular Arcs		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Snap		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trim Line		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update COGO		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Conflation toolset			
Align Features			<input checked="" type="checkbox"/>
Calculate Transformation Errors			<input checked="" type="checkbox"/>
Edgematch Features			<input checked="" type="checkbox"/>
Generate Edgematch Links			<input checked="" type="checkbox"/>
Generate Rubbersheet Links			<input checked="" type="checkbox"/>
Rubbersheet Features			<input checked="" type="checkbox"/>
Split Line By Match			<input checked="" type="checkbox"/>
Transfer Attributes			<input checked="" type="checkbox"/>
Transform Features			<input checked="" type="checkbox"/>

15. GeoAI toolbox

Toolset/Tool	Basic	Standard	Advanced
Features and Tabular Analysis toolset			

Toolset/Tool	Basic	Standard	Advanced
Predict Using AutoML Spatial Analyst is required to use the Explanatory Rasters parameter or when the Prediction Type parameter is set to Predict raster.			<input checked="" type="checkbox"/>
Train Using AutoML Spatial Analyst is required to use the Explanatory Training Rasters parameter.			<input checked="" type="checkbox"/>
Imagery AI toolset			
Extract Features Using AI Models 3D Analyst, Spatial Analyst, and Production Mapping extension licenses are required for postprocessing.			Requires Image Analyst Requires Image Analyst
Train Using AutoDL			
Text Analysis toolset			
Classify Text Using Deep Learning			<input checked="" type="checkbox"/>
Extract Entities Using Deep Learning			<input checked="" type="checkbox"/>
Train Entity Recognition Model			<input checked="" type="checkbox"/>
Train Text Classification Model			<input checked="" type="checkbox"/>
Train Text Transformation Model			<input checked="" type="checkbox"/>
Transform Text Using Deep			<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Learning			
Time Series AI toolset			
Forecast Using Time Series Model			<input checked="" type="checkbox"/>
Train Time Series Forecasting Model			<input checked="" type="checkbox"/>

16. GeoAnalytics Desktop toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Patterns toolset			
Calculate Density			<input checked="" type="checkbox"/>
Find Hot Spots			<input checked="" type="checkbox"/>
Find Point Clusters			<input checked="" type="checkbox"/>
Forest-based Classification and Regression			<input checked="" type="checkbox"/>
Generalized Linear Regression			<input checked="" type="checkbox"/>
Data Enrichment toolset			
Calculate Motion Statistics			<input checked="" type="checkbox"/>
Find Locations toolset			
Detect Incidents			<input checked="" type="checkbox"/>
Find Dwell Locations		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Find Similar Locations			<input checked="" type="checkbox"/>
Manage Data toolset			
Calculate Field			<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Clip Layer			<input checked="" type="checkbox"/>
Dissolve Boundaries			<input checked="" type="checkbox"/>
Overlay Layers			<input checked="" type="checkbox"/>
Summarize Data toolset			
Aggregate Points			<input checked="" type="checkbox"/>
Describe Dataset			<input checked="" type="checkbox"/>
Join Features			<input checked="" type="checkbox"/>
Reconstruct Tracks			<input checked="" type="checkbox"/>
Summarize Attributes			<input checked="" type="checkbox"/>
Summarize Center And Dispersion			<input checked="" type="checkbox"/>
Summarize Within			<input checked="" type="checkbox"/>
Use Proximity toolset			
Create Buffers			<input checked="" type="checkbox"/>
Group By Proximity			<input checked="" type="checkbox"/>
Snap Tracks			<input checked="" type="checkbox"/>
Trace Proximity Events			<input checked="" type="checkbox"/>
Utilities toolset			
Multifile Feature Connections toolset			
Copy Dataset From Multifile Feature Connection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Multifile Feature Connection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Duplicate Dataset From Multifile Feature Connection			☑
Preview Dataset From Multifile Feature Connection		☑	☑
Refresh Multifile Feature Connection		☑	☑
Remove Dataset From Multifile Feature Connection		☑	☑
Update Multifile Feature Connection Dataset Properties		☑	☑

17. GeoAnalytics Server toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Patterns toolset			
Calculate Density	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Create Space Time Cube	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Find Hot Spots	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Find Point Clusters	Requires ArcGIS GeoAnalytics	Requires ArcGIS GeoAnalytics	Requires ArcGIS GeoAnalytics
Available with ArcGIS Enterprise 10.6.1			

Toolset/Tool	Basic	Standard	Advanced
	Server	Server	Server
Forest-based Classification and Regression	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.7	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Generalized Linear Regression	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.7	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Geographically Weighted Regression (GWR)	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.8.1	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Data Enrichment toolset			
Calculate Motion Statistics	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.9	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Find Locations toolset			
Detect Incidents	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.6	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Find Dwell Locations	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
Available with ArcGIS Enterprise 10.8	GeoAnalytics Server	GeoAnalytics Server	GeoAnalytics Server
Find Similar Locations	Requires ArcGIS	Requires ArcGIS	Requires ArcGIS
	GeoAnalytics	GeoAnalytics	GeoAnalytics

Toolset/Tool	Basic	Standard	Advanced
	Server	Server	Server
Manage Data toolset			
Append Data Available with ArcGIS Enterprise 10.6.1	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Calculate Field Available with ArcGIS Enterprise 10.6	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Clip Layer Available with ArcGIS Enterprise 10.7	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Copy To Data Store	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Dissolve Boundaries Available with ArcGIS Enterprise 10.7	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Merge Layers Available with ArcGIS Enterprise 10.7	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Overlay Layers Available with ArcGIS Enterprise 10.6.1	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Summarize Data toolset			

Toolset/Tool	Basic	Standard	Advanced
Aggregate Points	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Describe Dataset	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Available with ArcGIS Enterprise 10.7			
Join Features	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Reconstruct Tracks	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Summarize Attributes	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Summarize Center And Dispersion	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Available with ArcGIS Enterprise 10.9			
Summarize Within	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Use Proximity toolset			
Create Buffers	Requires	Requires	Requires

Toolset/Tool	Basic	Standard	Advanced
Group By Proximity Available with ArcGIS Enterprise 10.9.1	ArcGIS GeoAnalytics Server Requires ArcGIS GeoAnalytics Server	ArcGIS GeoAnalytics Server Requires ArcGIS GeoAnalytics Server	ArcGIS GeoAnalytics Server Requires ArcGIS GeoAnalytics Server
Snap Tracks Available with ArcGIS Enterprise 11.0	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server
Trace Proximity Events Available with ArcGIS Enterprise 10.9	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server	Requires ArcGIS GeoAnalytics Server

18. Geocoding toolbox

Toolset/Tool	Basic	Standard	Advanced
Add Polygon Fields To Locator	✓	✓	✓
Clip Locator	✓	✓	✓
Create Composite Address Locator	✓	✓	✓
Create Feature Locator	✓	✓	✓
Create Locator	✓	✓	✓
Delete Polygon Fields From Locator	✓	✓	✓
Geocode Addresses	✓	✓	✓
Rebuild Address Locator	✓	✓	✓

Toolset/Tool	Basic	Standard	Advanced
Rematch Addresses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reverse Geocode	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Preparation toolset			
Assign Streets To Points	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Assign Zones To Streets	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Split Addresses Into Components	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Portal toolset			
Geocode File	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	<input checked="" type="checkbox"/>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
Geocode Locations From Table	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	<input checked="" type="checkbox"/>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege

19. Geostatistical Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
Interpolation toolset			
Diffusion Interpolation With Barriers	Requires Geostatistical	Requires Geostatistical	Requires Geostatistical

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
<u>EBK Regression Prediction</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Empirical Bayesian Kriging</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Empirical Bayesian Kriging 3D</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Global Polynomial Interpolation</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>IDW</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>IDW 3D</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Kernel Interpolation With Barriers</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Local Polynomial Interpolation</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Moving Window Kriging</u>	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
<u>Nearest Neighbor 3D</u>	Requires Geostatistical	Requires Geostatistical	Requires Geostatistical

Toolset/Tool	Basic	Standard	Advanced
Radial Basis Functions	Analyst Requires Geostatistical Analyst	Analyst Requires Geostatistical Analyst	Analyst Requires Geostatistical Analyst
Sampling Network Design toolset			
Create Spatially Balanced Points	Requires Geostatistical Analyst	Requires Geostatistical Analyst	<input checked="" type="checkbox"/>
Densify Sampling Network	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Simulation toolset			
Extract Values To Table	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Gaussian Geostatistical Simulations	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Utilities toolset			
Compare Geostatistical Layers	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Cross Validation	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Exploratory Interpolation	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Generate Polygon Subsets	Requires	Requires	Requires

Toolset/Tool	Basic	Standard	Advanced
	Geostatistical Analyst	Geostatistical Analyst	Geostatistical Analyst
Neighborhood Selection	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Semivariogram Sensitivity	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Subset Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Working with Geostatistical Layers toolset			
Areal Interpolation Layer To Polygons	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Calculate Z-Value	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Create Geostatistical Layer	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
GA Layer 3D To Multidimensional Raster	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
GA Layer 3D To NetCDF	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
GA Layer To Contour	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
GA Layer To Grid	Requires Geostatistical	Requires Geostatistical	Requires Geostatistical

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
GA Layer To Points	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
GA Layer To Rasters	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Get Model Parameter	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst
Set Model Parameter	Requires Geostatistical Analyst	Requires Geostatistical Analyst	Requires Geostatistical Analyst

20. Image Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
Change Detection toolset			
Analyze Changes Using CCDC	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Analyze Changes Using LandTrendr	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Compute Change Raster	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Detect Change Using Change Analysis Raster	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Classification and Pattern Recognition toolset			

Toolset/Tool	Basic	Standard	Advanced
<u>Classify Raster</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Classify Raster Using Spectra</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Compute Confusion Matrix</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Compute Segment Attributes</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Create Accuracy Assessment Points</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Generate Training Samples From Seed Points</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Inspect Training Samples</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Linear Spectral Unmixing</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Predict Using Regression Model</u>	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
<u>Remove Raster Segment Tiling Artifacts</u>	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
<u>Segment Mean Shift</u>	Requires Image	Requires Image	Requires Image

Toolset/Tool	Basic	Standard	Advanced
	Analyst or Spatial Analyst	Analyst or Spatial Analyst	Analyst or Spatial Analyst
Train Iso Cluster Classifier	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Train K-Nearest Neighbor Classifier	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Train Maximum Likelihood Classifier	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Train Random Trees Classifier	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Train Random Trees Regression Model	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Train Support Vector Machine Classifier	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Update Accuracy Assessment Points	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Deep Learning toolset			
Classify Objects Using Deep Learning	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Classify Pixels Using Deep Learning	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Compute Accuracy For Object Detection	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Detect Change Using Deep Learning	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Detect Objects Using Deep Learning	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Export Training Data For Deep Learning	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Extract Features Using AI Models			Requires Image Analyst
Non Maximum Suppression	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Train Deep Learning Model	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Train Using AutoDL			Requires Image Analyst
Extraction toolset			
Sample	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Interpolation toolset			
Interpolate From Spatiotemporal Points	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Optimal Interpolation	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Map Algebra toolset			
Raster Calculator	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Math toolset			
General toolset			
Abs	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Divide	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Exp	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Exp10	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Exp2	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Float	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Int	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Ln	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Log10	Requires Image	Requires Image	Requires Image

Toolset/Tool	Basic	Standard	Advanced
Log2	Analyst or Spatial Analyst	Analyst or Spatial Analyst	Analyst or Spatial Analyst
	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Minus	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Mod	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Negate	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Plus	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Power	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Round Down	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Round Up	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Square	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Square Root	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Times	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst	Requires Image Analyst or Spatial Analyst or 3D Analyst
Conditional toolset			
Con	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Pick	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Set Null	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Logical toolset			
Bitwise And	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Bitwise Left Shift	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Bitwise Not	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Bitwise Or	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Bitwise Right Shift	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Bitwise XOr	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Boolean And	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Boolean Not	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Boolean Or	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Boolean XOr	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Combinatorial And	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Combinatorial Or	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Combinatorial XOr	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Diff	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Equal To	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Greater Than	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Greater Than Equal	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
InList	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Is Null	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Less Than	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Less Than Equal	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Not Equal	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Over	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Test	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Trigonometric toolset			
ACos	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ACosH	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ASin	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ASinH	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ATan	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ATan2	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
ATanH	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Cos	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
CosH	Requires Image Analyst or	Requires Image Analyst or	Requires Image Analyst or

Toolset/Tool	Basic	Standard	Advanced
Sin	Spatial Analyst Requires Image Analyst or Spatial Analyst	Spatial Analyst Requires Image Analyst or Spatial Analyst	Spatial Analyst Requires Image Analyst or Spatial Analyst
SinH	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Tan	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
TanH	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Motion Imagery toolset			
Extract Video Frames To Images	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Video Metadata To Feature Class	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Video Multiplexer	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Multidimensional Analysis toolset			
Aggregate Multidimensional Raster	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Dimensional Moving Statistics	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Find Argument Statistics	Requires Image	Requires Image	Requires Image

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Generate Multidimensional Anomaly	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Generate Trend Raster	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Multidimensional Principal Components	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Multidimensional Raster Correlation	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Predict Using Trend Raster	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Summarize Categorical Raster	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Overlay toolset			
Weighted Sum	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Statistical toolset			
Cell Statistics	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Focal Statistics	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Zonal Statistics	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Zonal Statistics as Table	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst	Requires Image Analyst or Spatial Analyst
Synthetic Aperture Radar toolset			
Apply Geometric Terrain Correction	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Apply Orbit Correction	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Apply Radiometric Calibration	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Apply Radiometric Terrain Flattening	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Compute SAR Indices	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Convert SAR Units	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Create Color Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deburst	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Despeckle	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Detect Bright Ocean Objects	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Detect Dark Ocean Areas	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Download Orbit File	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Extract Water	Requires Image	Requires Image	Requires Image

Toolset/Tool	Basic	Standard	Advanced
Multilook	Analyst Requires Image Analyst	Analyst Requires Image Analyst	Analyst Requires Image Analyst
Remove Thermal Noise	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst
Utilities toolset			
Create Binary Mask	Requires Image Analyst	Requires Image Analyst	Requires Image Analyst

21. Indoors toolbox

Toolset/Tool	Basic	Standard	Advanced
Create Indoor Dataset	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Create Indoor 3D Dataset	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Create Indoors Database	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Generate Unit Openings			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Import BIM To Indoor Dataset			Requires ArcGIS Indoors Pro or ArcGIS

Toolset/Tool	Basic	Standard	Advanced
Import CAD To Indoor Dataset			Indoors Maps Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Import Floorplans To Indoors Geodatabase			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Import IFC To Indoor Dataset			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Import Indoor Images		Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Update Occupant Features			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Upgrade Indoors Database	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps	Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Indoors Network toolset			
Classify Indoor Pathways			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Create Indoor Network Dataset	Requires	Requires ArcGIS	Requires

Toolset/Tool	Basic	Standard	Advanced
Generate Facility Entryways	ArcGIS Indoors Pro or ArcGIS Indoors Maps	Indoors Pro or ArcGIS Indoors Maps	ArcGIS Indoors Pro or ArcGIS Indoors Maps Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps and 3D Analyst
Generate Floor Transitions			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps
Generate Indoor Pathways			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps and 3D Analyst
Thin Indoor Pathways			Requires ArcGIS Indoors Pro or ArcGIS Indoors Maps, 3D Analyst, and Network Analyst

22. Indoor Positioning toolbox

Toolset/Tool	Basic	Standard	Advanced
Create IPS Data Model		Requires ArcGIS IPS	Requires ArcGIS IPS

Toolset/Tool	Basic	Standard	Advanced
Generate Indoor Positioning Dataset		Requires ArcGIS IPS	Requires ArcGIS IPS
Share Indoor Positioning Data Service		Requires ArcGIS IPS	Requires ArcGIS IPS
Classic toolset			
Enable Indoor Positioning		Requires ArcGIS IPS	Requires ArcGIS IPS
Generate Indoor Positioning File		Requires ArcGIS IPS	Requires ArcGIS IPS
Generate Indoor Positioning File Without Survey		Requires ArcGIS IPS	Requires ArcGIS IPS
Quality Assessment toolset			
Create IPS Quality Dataset		Requires ArcGIS IPS	Requires ArcGIS IPS
Compute Positioning Quality		Requires ArcGIS IPS	Requires ArcGIS IPS

23. Linear Referencing toolbox

Toolset/Tool	Basic	Standard	Advanced
Calibrate Routes	✓	✓	✓
Create Routes	✓	✓	✓
Dissolve Route Events	✓	✓	✓
Locate Features Along Routes	✓	✓	✓
Make Route Event Layer	✓	✓	✓
Overlay Route Events	✓	✓	✓
Transform Route Events	✓	✓	✓

24. Location Referencing toolbox

Toolset/Tool	Basic	Standard	Advanced
Append Events	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Append Routes	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Apply Event Behaviors	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and

Toolset/Tool	Basic	Standard	Advanced
Calculate Intersecting Route Measures	Highways)	Highways)	Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Calculate Route Concurrencies	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Delete Routes	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Derive Event Measures	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Generate Calibration Points	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline
	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline

Toolset/Tool	Basic	Standard	Advanced
Generate Events	Referencing or (ArcGIS Roads and Highways)	Referencing or (ArcGIS Roads and Highways)	Referencing or (ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Generate Intersections	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Generate Routes	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Overlay Events	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Remove Overlapping Centerlines	Requires ArcGIS Location	Requires ArcGIS Location	Requires ArcGIS Location

Toolset/Tool	Basic	Standard	Advanced
Reverse Line Orders Translate Event Measures Update Measures From LRS	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Configuration toolset			
Configure Address Feature Classes	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and

Toolset/Tool	Basic	Standard	Advanced
Configure Utility Network Feature Class	Highways) Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Highways) Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Highways) Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Remove LRS Entity	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
LRS toolset			
Create LRS	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS From Existing Dataset	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Modify LRS	Requires ArcGIS Location	Requires ArcGIS Location	Requires ArcGIS Location

Toolset/Tool	Basic	Standard	Advanced
	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
LRS Event toolset			
Configure External Event With LRS	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS Event	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS Event From Existing	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Disable Derived Measure Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)

Toolset/Tool	Basic	Standard	Advanced
	Highways)	Highways)	Highways)
Disable Referent Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Disable Stationing Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Enable Derived Measure Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Enable Referent Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Enable Stationing Fields	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline

Toolset/Tool	Basic	Standard	Advanced
Modify Event Behavior Rules	Referencing or ArcGIS Roads and Highways)	Referencing or ArcGIS Roads and Highways)	Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Modify LRS Event	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
LRS Intersection toolset			
Create LRS Intersection	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS Intersection From Existing Dataset	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)

Toolset/Tool	Basic	Standard	Advanced
Modify LRS Intersection	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
LRS Network toolset			
Configure Lookup Table	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Configure Route Dominance Rules	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS Network	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Create LRS Network From Existing Dataset	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline	Requires ArcGIS Location Referencing (ArcGIS Pipeline

Toolset/Tool	Basic	Standard	Advanced
Modify Network Calibration Rules	Referencing or ArcGIS Roads and Highways)	Referencing or ArcGIS Roads and Highways)	Referencing or ArcGIS Roads and Highways)
	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Modify LRS Network	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)
Modify Route ID Padding	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)	Requires ArcGIS Location Referencing (ArcGIS Pipeline Referencing or ArcGIS Roads and Highways)

25. Maritime toolbox

Toolset/Tool	Basic	Standard	Advanced
Data Management toolset			

Toolset/Tool	Basic	Standard	Advanced
Generate Depth Areas		Requires 3D Analyst and ArcGIS Maritime	Requires 3D Analyst and ArcGIS Maritime
Generate Land Areas		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Expand Collapsed Contours		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Reduce Point Density		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
Smooth Bathymetric TIN		Requires ArcGIS Bathymetry	Requires ArcGIS Bathymetry
S-100 toolset			
Convert S-57 to S-101 Cell		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Export S-101 Cell		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Import S-100 Cell		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Import S-100 Feature Catalogue		Requires ArcGIS Maritime	Requires ArcGIS Maritime
S-57 toolset			
Management toolset			
Copy S-57 Features		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Create S-57 Exchange Set		Requires ArcGIS Maritime	Requires ArcGIS Maritime

Toolset/Tool	Basic	Standard	Advanced
Export Geodatabase To S-57		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Import S-57 To Geodatabase		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Validation toolset			
Parse S-58 Log File		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Repair Nautical Data		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Validate S-57 File		Requires ArcGIS Maritime	Requires ArcGIS Maritime
VPF toolset			
Export Geodatabase To VPF		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Import VPF To Geodatabase		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Cartography toolset			
Apply Maritime Symbology		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Generate Cartographic Limits			Requires ArcGIS Maritime
Generate Light Sector		Requires ArcGIS Maritime	Requires ArcGIS Maritime
Transfer Quality of Position	Requires ArcGIS Maritime	Requires ArcGIS Maritime	Requires ArcGIS Maritime

26. Multidimension toolbox

Toolset/Tool	Basic	Standard	Advanced
Build Multidimensional Info		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Build Multidimensional Transpose	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Multidimensional Raster Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Multidimensional Voxel Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make OPeNDAP Raster Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Multidimensional Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Merge Multidimensional Rasters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select by Dimension	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Subset Multidimensional Raster	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NetCDF toolset			
Describe NetCDF File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Feature to NetCDF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make NetCDF Feature Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make NetCDF Raster Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make NetCDF Table View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NetCDF Points To Feature Class (Discrete Sampling Geometry)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NetCDF Profiles To Feature Class (Discrete Sampling Geometry)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NetCDF Time Series To Feature Class (Discrete Sampling Geometry)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
NetCDF Trajectories To Feature Class (Discrete Sampling Geometry)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raster to NetCDF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Table to NetCDF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

27. Network Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
Analysis toolset			
Add Field To Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Locations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Vehicle Routing Problem Breaks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Vehicle Routing Problem Routes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Locations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy Network Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Copy Traversed Source Features	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Delete Network Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Directions	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Make Closest Facility Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Make Last Mile Delivery Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Location-Allocation Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make OD Cost Matrix Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Route Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Service Area Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Vehicle Routing Problem Analysis Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Solve			
This tool requires the Network Analyst license if the network data source of the layer being solved is a network dataset but not if the network data source is a service.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Share As Route Layers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Network Dataset toolset			
Build Network	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Create Network Dataset	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Create Network Dataset From Template	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst

Toolset/Tool	Basic	Standard	Advanced
Create Template From Network Dataset	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dissolve Network	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Make Network Dataset Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Turn Feature Class toolset			
Create Turn Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Increase Maximum Edges	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Populate Alternate ID Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Turn Table To Turn Feature Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update by Alternate ID Fields	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update by Geometry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

28. Network Diagram toolbox

Toolset/Tool	Basic	Standard	Advanced
Alter Diagram Properties		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Append to Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Change Diagrams Owner		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Diagram Content		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extend Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Make Diagram Layer		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Overwrite Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Purge Temporary Diagrams		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Store Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Diagram		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Configuration toolset			
Add Angle Directed Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Collapse Container By Attribute Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Collapse Container By Category Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Collapse Container Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Compression Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Connectivity Associations Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Diagram Feature Capability By Attribute Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Diagram Feature Capability By Category Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Diagram Template		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Expand Container By Attribute Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Expand Container By Category Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Expand Container Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Force Directed Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Grid Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Linear Dispatch Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Main Ring Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Mainline Tree Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Add Partial Overlapping Edges Layout		✓	✓
Add Radial Tree Layout		✓	✓
Add Reduce Edge By Attribute Rule		✓	✓
Add Reduce Junction By Attribute Rule		✓	✓
Add Reduce Junction By Category Rule		✓	✓
Add Reduce Junction Rule		✓	✓
Add Relative Mainline Layout		✓	✓
Add Remove Feature By Attribute Rule		✓	✓
Add Remove Feature By Category Rule		✓	✓
Add Remove Feature Rule		✓	✓
Add Reshape Diagram Edges Layout		✓	✓
Add Set Root Junction By Attribute Rule		✓	✓
Add Set Starting Point By Attribute Rule		✓	✓
Add Smart Tree Layout		✓	✓
Add Spatial Dispatch Layout		✓	✓
Add Spatial Query Rule		✓	✓
Add Start Iteration Rule		✓	✓
Add Stop Iteration Rule		✓	✓
Add Structural Attachments Rule		✓	✓
Add Trace Rule		✓	✓
Alter Diagram Template		✓	✓
Create Diagram Layer Definition		✓	✓
Delete Diagram Template		✓	✓

Toolset/Tool	Basic	Standard	Advanced
Export Diagram Layer Definition		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Diagram Template Definitions		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Diagram Templates Names		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Diagram Template Definitions		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Layout toolset			
Apply Angle Directed Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Compression Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Force Directed Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Geo Positions Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Grid Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Linear Dispatch Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Main Ring Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Mainline Tree Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Partial Overlapping Edges Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Radial Tree Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Relative Mainline Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Rotate Tree Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Smart Tree Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Spatial Dispatch Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Apply Template Layouts		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reshape Diagram Edges Layout		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

29. Oriented Imagery toolbox

Toolset/Tool	Basic	Standard	Advanced
Authoring toolset			
Add Images From Custom Input Type		✓	✓
Add Images To Oriented Imagery Dataset		✓	✓
Build Oriented Imagery Footprint		✓	✓
Create Oriented Imagery Dataset		✓	✓
Manage toolset			
Generate Service From Oriented Imagery Dataset		✓	✓
Update Oriented Imagery Dataset Properties		✓	✓

30. Parcel toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Parcels By Least Squares Adjustment		✓	✓
Append Parcels		✓	✓
Apply Parcel Least Squares Adjustment		✓	✓
Build Parcel Fabrics		✓	✓
Copy Parcels		✓	✓
Create Parcel Seeds		✓	✓
Delete Parcels		✓	✓
Duplicate Parcels		✓	✓
Export Parcel Record Features		✓	✓

Toolset/Tool	Basic	Standard	Advanced
Export Sequenced Parcel Features		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Parcel Fabric Links		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Parcel Fabric Points		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Merge Collinear Parcel Boundaries		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Select Parcel Features		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Administration toolset			
Add Parcel Type		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Parcel Fabric		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Parcel Records		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable Parcel Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Parcel Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Parcel Line Label Position		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remove Parcel Type		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upgrade ArcMap Parcel Fabric	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

31. Public Transit toolbox

Toolset/Tool	Basic	Standard	Advanced
Analysis toolset			

Toolset/Tool	Basic	Standard	Advanced
Calculate Transit Service Frequency When calculating public transit frequency statistics for points of interest or areas, this tool requires a Network Analyst license if the network data source is a network dataset but not if the network data source is a service. When calculating public transit frequency statistics for transit stops or lines, no additional license is required.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Conversion toolset			
Connect Public Transit Data Model To Streets		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Features To GTFS Shapes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Features To GTFS Stops	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Shapes Features From GTFS When generating shapes using a road network, this tool requires a Network Analyst license if the network data source is a network dataset but not if the network data source is a service. When generating shapes without using a road network, no additional license is required.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GTFS Shapes To Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GTFS Stops To Features	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GTFS To Public Transit Data Model	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

32. Raster Analysis toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Patterns toolset			
Calculate Density	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Interpolate Points	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Analyze Terrain toolset			
Create Viewshed	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Surface Parameters	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Deep Learning toolset			
Classify Objects Using Deep Learning	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Classify Pixels Using Deep Learning	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Detect Objects Using Deep Learning	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Generalize toolset			
Nibble	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Hydrology toolset			
Fill	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Flow Accumulation	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Flow Direction	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server

Toolset/Tool	Basic	Standard	Advanced
Flow Distance	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Stream Link	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Watershed	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Manage Data toolset			
Convert Feature To Raster	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Convert Raster To Feature	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Summarize Data toolset			
Summarize Raster Within	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Zonal Statistics As Table	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Use Proximity toolset			
Distance Accumulation	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Distance Allocation	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Optimal Path As Line	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Optimal Path As Raster	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Optimal Region Connections	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server

Toolset/Tool	Basic	Standard	Advanced
Use Proximity (Legacy) toolset			
Calculate Distance	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Calculate Travel Cost	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Cost Path As Polyline	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Determine Optimum Travel Cost Network	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Determine Travel Cost Path As Polyline	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server
Determine Travel Cost Paths To Destinations	Requires ArcGIS Image Server	Requires ArcGIS Image Server	Requires ArcGIS Image Server

33. Reality Mapping toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Control Points		☑	☑
Append Control Points		☑	☑
Apply Block Adjustments		☑	☑
Compute Block Adjustments		☑	☑
Compute Camera Model		Requires ArcGIS Reality for ArcGIS Pro	☑
Compute Control Points		☑	☑
Compute Depth Map		☑	☑
Compute Tie Points		☑	☑

Toolset/Tool	Basic	Standard	Advanced
Export Frame And Camera Parameters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Block Adjustment Report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Match Control Points		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reconstruct Surface		Requires ArcGIS Reality for ArcGIS Pro	Requires ArcGIS Reality for ArcGIS Pro
Remove Depth Map		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

34. Server toolbox

Toolset/Tool	Basic	Standard	Advanced
Caching toolset			
Convert Map Server Cache Storage Format	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Map Server Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Map Server Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Map Server Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Map Server Cache Tiling Scheme	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Map Server Cache	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Map Server Cache Scales	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Map Server Cache Status	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage Map Server Cache Tiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Data Extraction toolset			
Extract Data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Data and Email Task	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Extract Data Task	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Send Email With Zip File Attachment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Printing toolset			
Export Web Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Layout Templates Info	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Get Report Templates Info	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Publishing toolset			
Replace Web Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stage Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Upload Service Definition	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

35. Space Time Pattern Mining toolbox

Toolset/Tool	Basic	Standard	Advanced
Space Time Cube Creation toolset			
Create Space Time Cube By Aggregating Points	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Space Time Cube From Defined Locations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Space Time Cube From Multidimensional Raster Layer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Space Time Cube Visualization toolset			

Toolset/Tool	Basic	Standard	Advanced
Visualize Space Time Cube in 2D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Visualize Space Time Cube in 3D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Space Time Pattern Analysis toolset			
Change Point Detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerging Hot Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Local Outlier Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Series Clustering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Series Cross Correlation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Series Forecasting toolset			
Curve Fit Forecast	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Evaluate Forecasts by Location	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exponential Smoothing Forecast	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forest-based Forecast	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Utilities toolset			
Describe Space Time Cube	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fill Missing Values	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Subset Space Time Cube	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

36. Spatial Analyst toolbox

Toolset/Tool	Basic	Standard	Advanced
Conditional toolset			
Con	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Pick	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst
Set Null	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Density toolset			
Calculate Kernel Density Ratio	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Kernel Density	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Line Density	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Point Density	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Space Time Kernel Density	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Distance toolset			
Distance Accumulation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Distance Allocation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Least Cost Corridor	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Optimal Corridor Connections	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Optimal Path As Line	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Optimal Path As Raster	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Optimal Region Connections	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Distance (Legacy) toolset			
Corridor	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Allocation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Back Link	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Connectivity	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Distance	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Path	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Cost Path as Polyline	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Euclidean Allocation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Euclidean Back Direction	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Euclidean Direction	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Euclidean Distance	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Path Distance	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Path Distance Allocation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Path Distance Back Link	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extraction toolset			
Extract By Attributes	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract Multi Values to Points	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract Values to Points	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract by Circle	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract by Mask	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract by Points	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract by Polygon	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Extract by Rectangle	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Sample	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Generalization toolset			

Toolset/Tool	Basic	Standard	Advanced
Aggregate	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Boundary Clean	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Expand	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Majority Filter	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Nibble	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Region Group	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Shrink	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Thin	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Groundwater toolset			
Darcy Flow	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Darcy Velocity	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Particle Track	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Porous Puff	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Hydrology toolset			

Toolset/Tool	Basic	Standard	Advanced
<u>Basin</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Derive Continuous Flow</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Derive Stream As Line</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Derive Stream As Raster</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Fill</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Flow Accumulation</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Flow Direction</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Flow Distance</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Flow Length</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Sink</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Snap Pour Point</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Storage Capacity</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Stream Link</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Stream Order</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Stream to Feature	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Watershed	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Interpolation toolset			
IDW	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Kriging	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Natural Neighbor	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Spline	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Spline with Barriers	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Topo to Raster	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Topo to Raster by File	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Trend	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Local toolset			

Toolset/Tool	Basic	Standard	Advanced
Cell Statistics	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Combine	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Equal To Frequency	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Greater Than Frequency	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Highest Position	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Less Than Frequency	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Lowest Position	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Popularity	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Rank	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Map Algebra toolset			
Raster Calculator	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Math toolset			
General toolset			
Abs	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Divide	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst
Exp	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Exp10	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Exp2	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Float	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst
Int	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst
Ln	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Log10	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Log2	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Minus	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst
Mod	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Negate	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Plus	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst	Requires Spatial Analyst or Image Analyst or 3D Analyst
Power	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Round Down	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Round Up	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Square	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Square Root	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Times	Analyst Requires Spatial Analyst or Image Analyst or 3D Analyst	Analyst Requires Spatial Analyst or Image Analyst or 3D Analyst	Analyst Requires Spatial Analyst or Image Analyst or 3D Analyst
Bitwise toolset			
Bitwise And	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Bitwise Left Shift	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Bitwise Not	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Bitwise Or	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Bitwise Right Shift	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Bitwise XOr	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Logical toolset			
Boolean And	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Boolean Not	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Boolean Or	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Boolean XOr	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Combinatorial And	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Combinatorial Or	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Combinatorial XOr	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Diff	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Equal To	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Greater Than	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Greater Than Equal	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
InList	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Is Null	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Less Than	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Less Than Equal	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Not Equal	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Over	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Test	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Trigonometric toolset			
ACos	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
ACosH	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
ASin	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
ASinH	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
ATan	Analyst or Image Analyst	Analyst or Image Analyst	Analyst or Image Analyst
	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
ATan2	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
ATanH	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Cos	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
CosH	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Sin	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
SinH	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Tan	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
TanH	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Multidimensional Analysis toolset			

Toolset/Tool	Basic	Standard	Advanced
Aggregate Multidimensional Raster	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Dimensional Moving Statistics	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Generate Multidimensional Anomaly	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Multivariate toolset			
Band Collection Statistics	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Class Probability	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Create Signatures	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Dendrogram	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Edit Signatures	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Iso Cluster	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Iso Cluster Unsupervised Classification	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Maximum Likelihood Classification	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Principal Components	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Neighborhood toolset			
Block Statistics	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Filter	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Focal Flow	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Focal Statistics	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Line Statistics	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Point Statistics	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Overlay toolset			
Fuzzy Membership	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Fuzzy Overlay	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Locate Regions	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Weighted Overlay	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Weighted Sum	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Raster Creation toolset			
Create Constant Raster	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
	Analyst	Analyst	Analyst
Create Normal Raster	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Create Random Raster	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Reclass toolset			
Lookup	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Reclass by ASCII File	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Reclass by Table	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Reclassify	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Rescale by Function	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Slice	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Segmentation and Classification toolset			
Classify Raster	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Compute Confusion Matrix	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Compute Segment Attributes	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst
Create Accuracy Assessment Points	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Export Training Data	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Generate Training Samples From Seed Points	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Inspect Training Samples	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Linear Spectral Unmixing	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Remove Raster Segment Tiling Artifacts	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Segment Mean Shift	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Train Iso Cluster Classifier	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Train K-Nearest Neighbor Classifier	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst

Toolset/Tool	Basic	Standard	Advanced
Train Maximum Likelihood Classifier	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst	Analyst Requires Spatial Analyst or Image Analyst
Train Random Trees Classifier	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Train Support Vector Machine Classifier	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Update Accuracy Assessment Points	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Solar Radiation toolset			
Area Solar Radiation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Feature Solar Radiation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Points Solar Radiation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Raster Solar Radiation	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Solar Radiation Graphics	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Surface toolset			
Add Surface Information	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst

Toolset/Tool	Basic	Standard	Advanced
<u>Aspect</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Contour</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Contour List</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Contour with Barriers</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Curvature</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Cut Fill</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Geodesic Viewshed</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Geomorphon Landforms</u>	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
<u>Hillshade</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Interpolate Shape</u>	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
<u>Observer Points</u>	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
Slope	Analyst or 3D Analyst	Analyst or 3D Analyst	Analyst or 3D Analyst
Surface Parameters	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Viewshed	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Visibility	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst	Requires Spatial Analyst or 3D Analyst
Zonal toolset			
Tabulate Area	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Zonal Fill	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Zonal Geometry	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Zonal Geometry as Table	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Zonal Histogram	Requires Spatial Analyst	Requires Spatial Analyst	Requires Spatial Analyst
Zonal Statistics	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst	Requires Spatial Analyst or Image Analyst
Zonal Statistics as Table	Requires Spatial	Requires Spatial	Requires Spatial

Toolset/Tool	Basic	Standard	Advanced
	Analyst or Image Analyst	Analyst or Image Analyst	Analyst or Image Analyst

37. Spatial Statistics toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyzing Patterns toolset			
Average Nearest Neighbor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
High/Low Clustering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Incremental Spatial Autocorrelation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-Distance Spatial Cluster Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Spatial Autocorrelation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mapping Clusters toolset			
Build Balanced Zones	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Composite Index	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cluster and Outlier Analysis: Anselin Local Moran's I	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Density-based Clustering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hot Spot Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hot Spot Analysis Comparison	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multivariate Clustering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Optimized Hot Spot Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Optimized Outlier Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Similarity Search	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Advanced license is required to use Collapse Output To Points parameter.			
Spatial Outlier Detection			
Spatial Analyst is required to use the Output Prediction Raster parameter.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spatially Constrained Multivariate Clustering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Measuring Geographic Distributions toolset			
Central Feature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Directional Distribution (Standard Deviation Ellipse)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Linear Directional Mean	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mean Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Median Center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Neighborhood Summary Statistics			
Advanced license is required to use Delaunay triangulation neighborhood type.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standard Distance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Modeling Spatial Relationships toolset			
Causal Inference Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Colocation Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exploratory Regression	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Forest-based and Boosted Classification and Regression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spatial Analyst is required to use rasters.			
Generalized Linear Regression	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Generate Network Spatial Weights	Requires Network Analyst	Requires Network Analyst	Requires Network Analyst
Generate Spatial Weights Matrix	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geographically Weighted Regression (GWR)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Advanced license is required to generate coefficient rasters.			
Hot Spot Comparison	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multiscale Geographically Weighted Regression (MGWR)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advanced license is required to generate coefficient rasters.			
Local Bivariate Relationships	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ordinary Least Squares	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Predict Using Spatial Statistics Model File	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spatial Analyst is required to use rasters.			
Presence-Only Prediction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spatial Analyst is required to use rasters.			

Toolset/Tool	Basic	Standard	Advanced
Spatial Association Between Zones Spatial Analyst is required to use rasters as input or output. Utilities toolset	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calculate Distance Band from Neighbor Count	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calculate Rates	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Collect Events	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Spatial Statistics Popup Charts for Web Display	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Spatial Weights Matrix to Table	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Describe Spatial Statistics Model File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dimension Reduction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Feature Attribute to ASCII	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Spatial Statistics Model File Properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Series Smoothing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

38. Standard Feature Analysis toolbox

Toolset/Tool	Basic	Standard	Advanced
Analyze Patterns toolset			
Find Hot Spots	Requires your account in ArcGIS Enterprise to have the Perform	Requires your account in ArcGIS Enterprise to have the Perform Analysis	Requires your account in ArcGIS Enterprise to have the Perform Analysis

Toolset/Tool	Basic	Standard	Advanced
<u>Calculate Density</u>	Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
<u>Interpolate Points</u>	Enterprise to have the Perform Analysis privilege	Enterprise to have the Perform Analysis privilege	Enterprise to have the Perform Analysis privilege
Manage Data toolset			
<u>Dissolve Boundaries</u>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
<u>Merge Layers</u>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
<u>Overlay Layers</u>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
Summarize Data toolset			
<u>Aggregate Points</u>	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege
<u>Summarize Nearby</u>	Enterprise to have the Perform Analysis privilege	Enterprise to have the Perform Analysis privilege	Enterprise to have the Perform Analysis privilege
<u>Summarize Within</u>	Requires your account in ArcGIS Enterprise to have	Requires your account in ArcGIS Enterprise to have	Requires your account in ArcGIS Enterprise to have

Toolset/Tool	Basic	Standard	Advanced
	the Perform Analysis privilege	the Perform Analysis privilege	the Perform Analysis privilege
Use Proximity toolset			
Create Buffers	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege	Requires your account in ArcGIS Enterprise to have the Perform Analysis privilege

39. Territory Design toolbox

Toolset/Tool	Basic	Standard	Advanced
Analysis toolset			
Add Level Variables	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Add Territory Seed Points	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Add Territory Barriers	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Set Balance Variables	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Set Territory Attribute Constraints	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Set Territory Distance Parameters	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Requires locally installed network routing data.			
Set Territory Level Options	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Solve Territories	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Validate Territories	Requires	Requires	Requires

Toolset/Tool	Basic	Standard	Advanced
Territory Solution toolset	Business Analyst	Business Analyst	Business Analyst
Add Territory Level	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Copy Territory Solution	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Create Territory Level Feature Classes	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Create Territory Solution	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Export Territory Solution	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Generate Territory Report	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Import Territory Solution	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Load Territory Records	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Make Territory Solution Layer	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst
Rebuild Territory Solution	Requires Business Analyst	Requires Business Analyst	Requires Business Analyst

40. Topographic Production toolbox

Toolset/Tool	Basic	Standard	Advanced
Cartography toolset			
Banding toolset			

Toolset/Tool	Basic	Standard	Advanced
Generate Elevation Bands			Requires Production Mapping and Spatial Analyst
Generate Elevation Bands From Features			Requires Production Mapping
Cartographic Refinement toolset			
Apply Building Offsets			Requires Production Mapping
Apply Masks From Rules		Requires Production Mapping	Requires Production Mapping
Apply Visual Specification To Map		Requires Production Mapping	Requires Production Mapping
Calculate Bridge Offsets		Requires Production Mapping	Requires Production Mapping
Make Masks From Rules		Requires Production Mapping	Requires Production Mapping
Thin Spot Heights			Requires Production Mapping
Features toolset			
Calculate Magnetic Components		Requires Production Mapping	Requires Production Mapping
Calculate Max Elevation Figures		Requires Production Mapping	Requires Production Mapping
Generate Adjoining Sheets Features		Requires Production Mapping	Requires Production Mapping
Generate Elevation Guide Features			Requires Production Mapping and Spatial Analyst

Toolset/Tool	Basic	Standard	Advanced
Generate Location Diagram Features			Requires Production Mapping
Generate Spot Heights			Requires Production Mapping and Spatial Analyst
Generate Topographic Contours			Requires Production Mapping and Spatial Analyst
Identify Contours		Requires Production Mapping	Requires Production Mapping
Validate Spot Heights		Requires Production Mapping	Requires Production Mapping
Layout toolset			
Generate Product Layout		Requires Production Mapping and Spatial Analyst	Requires Production Mapping and Spatial Analyst
Make Grids And Graticules Layer		Requires Production Mapping	Requires Production Mapping
Populate Map Sheet Info		Requires Production Mapping	Requires Production Mapping
Data Management toolset			
Features toolset			
Apply Feature Level Metadata		Requires Production Mapping	Requires Production Mapping
Calculate Default Values		Requires Production Mapping	Requires Production Mapping
Calculate Metrics		Requires Production Mapping	Requires Production Mapping

Toolset/Tool	Basic	Standard	Advanced
Some parameters require the Spatial Analyst extension—see the tool reference page for more detail.			
Merge Lines By Pseudo Node		Requires Production Mapping	Requires Production Mapping
Remove Cutback Vertices		Requires Production Mapping	Requires Production Mapping
Repair Self Intersection		Requires Production Mapping	Requires Production Mapping
Split Features		Requires Production Mapping	Requires Production Mapping
Update GeoNames		Requires Production Mapping	Requires Production Mapping
Generalization toolset			
Eliminate Polygon		Requires Production Mapping	Requires Production Mapping
Export Generalized Data		Requires Production Mapping	Requires Production Mapping
Fill Gaps			Requires Production Mapping
Identify Narrow Polygons		Requires Production Mapping	Requires Production Mapping
Import Generalization Data		Requires Production Mapping	Requires Production Mapping
Polygon To Centerline		Requires Production Mapping	Requires Production Mapping

Toolset/Tool	Basic	Standard	Advanced
Remove Small Lines		Requires Production Mapping	Requires Production Mapping
Set Line Direction		Requires Production Mapping	Requires Production Mapping
Thin Hydrology Lines		Requires Production Mapping	Requires Production Mapping
Geodatabase toolset			
Create Cross-Reference Geodatabase		Requires Production Mapping	Requires Production Mapping
Export MGCP Metadata		Requires Defense Mapping	Requires Defense Mapping
Extract Data By Feature		Requires Production Mapping	Requires Production Mapping
Generate Excel From Geodatabase		Requires Production Mapping	Requires Production Mapping
Generate Geodatabase From Excel		Requires Production Mapping	Requires Production Mapping
Geodatabase To Shape		Requires Production Mapping	Requires Production Mapping
GeoNames To Geodatabase		Requires Production Mapping	Requires Production Mapping
Import MGCP Metadata		Requires Defense Mapping	Requires Defense Mapping
Load Data		Requires Production Mapping	Requires Production Mapping
Unzip MGCP Cell And Import		Requires Defense Mapping	Requires Defense Mapping
Topology toolset			

Toolset/Tool	Basic	Standard	Advanced
Export Topology		Requires Production Mapping	Requires Production Mapping
Import Topology		Requires Production Mapping	Requires Production Mapping
Validation toolset			
GAIT		Requires Defense Mapping	Requires Defense Mapping
Workflow toolset			
Data Management toolset			
Copy Job Files		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Create Task Group Jobs		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Get Features By Job AOI		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Set Task Group Dependencies		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Update Task Group Metrics		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Properties toolset			
Copy Extended Properties		Requires Production Mapping and	Requires Production Mapping and

Toolset/Tool	Basic	Standard	Advanced
Set Data Workspace		Workflow Manager Requires Production Mapping and Workflow Manager	Workflow Manager Requires Production Mapping and Workflow Manager
Set Production Properties		Requires Production Mapping and Data Reviewer and Workflow Manager	Requires Production Mapping and Data Reviewer and Workflow Manager
Update Extended Property		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Tasks toolset			
Cancel Remaining Tasks		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Create Job For Task		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Insert Task Group		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Set Next Task		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Set Task List		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager
Set Task Status		Requires Production Mapping and Workflow Manager	Requires Production Mapping and Workflow Manager

41. Trace Network toolbox

Toolset/Tool	Basic	Standard	Advanced
Add Network Attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Convert Geometric Network To Trace Network		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Trace Network		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Flow Direction		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set Network Attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trace		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Validate Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trace Configuration toolset			
Add Trace Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Trace Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Trace Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Trace Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

42. Utility Network toolbox

Toolset/Tool	Basic	Standard	Advanced
Add Trace Locations		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Subnetwork		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rebuild Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Repair Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Trace		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Is Connected		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Update Subnetwork		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Validate Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verify Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Administration toolset			
Add Domain Network		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Network Attribute		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Network Category		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Terminal Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Tier		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Add Tier Group		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Create Utility Network		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Network Category		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Rule		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Delete Terminal Configuration		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disable Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enable Network Topology		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Associations		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Rules		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Export Subnetwork Controllers		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Import Associations		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Toolset/Tool	Basic	Standard	Advanced
Import Rules		✓	✓
Import Subnetwork Controllers		✓	✓
Repair Network Topology		✓	✓
Set Association Role		✓	✓
Set Edge Connectivity		✓	✓
Set Network Attribute		✓	✓
Set Network Category		✓	✓
Set Subnetwork Definition		✓	✓
Set Terminal Configuration		✓	✓
Trace Configuration toolset			
Add Trace Configuration		✓	✓
Delete Trace Configuration		✓	✓
Export Trace Configurations		✓	✓
Import Trace Configuration		✓	✓

43. Workflow Manager toolbox

Toolset/Tool	Basic	Standard	Advanced
Configuration toolset			
Clear Job Replication Information		Requires Workflow Manager	Requires Workflow Manager
Create Workflow Database		Requires Workflow Manager	Requires Workflow Manager
Export Job Data		Requires Workflow Manager	Requires Workflow Manager

Toolset/Tool	Basic	Standard	Advanced
Import Job Data		Requires Workflow Manager	Requires Workflow Manager
Publish Workflow Service		Requires Workflow Manager	Requires Workflow Manager
Replicate Job Data		Requires Workflow Manager	Requires Workflow Manager
Synchronize Job Data		Requires Workflow Manager	Requires Workflow Manager
Upgrade Workflow Database		Requires Workflow Manager	Requires Workflow Manager
Jobs toolset			
Create New Jobs		Requires Workflow Manager	Requires Workflow Manager
Get Job AOI		Requires Workflow Manager	Requires Workflow Manager
Get Job Data Workspace		Requires Workflow Manager	Requires Workflow Manager
Get Job Parent Version		Requires Workflow Manager	Requires Workflow Manager
Get Job Version		Requires Workflow Manager	Requires Workflow Manager
Post Job Version		Requires Workflow Manager	Requires Workflow Manager

II. ARCGIS PRO (Advanced) EXTENSIONS

Các tiện ích mở rộng là những sản phẩm tích hợp liền mạch với ArcGIS Pro để tăng cường năng suất và phân tích. Các tiện ích mở rộng này được mua và cấp phép riêng biệt so với sản phẩm cốt lõi. Thông tin thêm về các tiện ích mở rộng có thể được tìm thấy từ trang tổng quan ArcGIS Pro.

1. Advanced analysis (Phân tích nâng cao):

ArcGIS Pro extensions for advanced analysis

Name	Description
3D Analyst	<p>Tiện ích mở rộng ArcGIS 3D Analyst cung cấp các công cụ để tạo và phân tích các bề mặt và dữ liệu 3D. Bạn có thể quản lý dữ liệu lidar, thực hiện phân tích khả năng nhìn thấy, đánh giá các đặc tính hình học của các đối tượng 3D, và sử dụng TINs làm nguồn độ cao.</p>
Business Analyst	<p>Tiện ích mở rộng ArcGIS Business Analyst cung cấp các công cụ thực hiện các thao tác GIS cơ bản cho phân tích thị trường. Bạn có thể thực hiện báo cáo dân số, xem xét phân phối khách hàng và đối thủ cạnh tranh, xác định các khu vực thương mại quan trọng, và trực quan hóa các biến dữ liệu.</p>
Geostatistical Analyst	<p>Tiện ích mở rộng ArcGIS Geostatistical Analyst cung cấp các công cụ cho mô hình hóa bề mặt nâng cao và khám phá dữ liệu. Bạn có thể tạo mô hình nội suy với nhiều kỹ thuật thống kê để xác định xu hướng, biến động không gian, sự tập trung, và nhiều hơn nữa. Các mô hình có thể được đánh giá thông qua kiểm tra chéo và các chỉ số khác.</p>
Image Analyst	<p>Tiện ích mở rộng ArcGIS Image Analyst cung cấp các công cụ để trực quan hóa, đo đạc, và phân tích dữ liệu hình ảnh. Bạn có thể biên soạn dữ liệu đặc trưng 3D với khả năng xem và vẽ bản đồ stereo, làm việc với hình ảnh nghiêng trong không gian hình ảnh, thực hiện phân loại hình ảnh, và phân tích dữ liệu hình ảnh sử dụng nhiều công cụ và chức năng xử lý hình ảnh.</p>
Network Analyst	<p>Tiện ích mở rộng ArcGIS Network Analyst cung cấp các công cụ phân tích dựa trên mạng lưới giao thông để giải quyết các vấn đề định tuyến phức tạp. Nó sử dụng một mô hình dữ liệu mạng tiện ích hoặc giao thông có thể cấu hình, cho phép bạn đại diện cho các yêu cầu mạng lưới tiện ích hoặc đường phố độc đáo của tổ chức. Bạn có thể lên kế hoạch cho các tuyến đường cho cả một đội xe, tính toán các đa giác thời gian lái xe, xác định các cơ sở, và giải quyết các vấn đề liên quan đến mạng lưới giao thông.</p>
Spatial Analyst	<p>Tiện ích mở rộng ArcGIS Spatial Analyst cung cấp các công cụ để tạo và phân tích dữ liệu raster và thực hiện phân tích tích hợp giữa dữ liệu raster và vector. Bạn có thể tạo ra các bề mặt như độ dốc và khía cạnh từ các mô hình độ cao số; tạo các mô hình tính toán sự phù hợp của địa điểm sử dụng phân tích lớp chồng; và thực hiện phân tích cảnh quan phức tạp, như tìm kiếm các lối đi ít chi phí nhất hoặc mô hình hóa dòng chảy, nồng độ và sự phân tán của vật liệu trên một bề mặt.</p>

2. Data and workflows (xử lý dữ liệu và tự động hóa quy trình làm việc):

ArcGIS Pro extensions for data and workflows

Name	Description
ArcGIS Reality for ArcGIS Pro	<p>Tiện ích mở rộng ArcGIS Reality for ArcGIS Pro mở rộng khả năng lập bản đồ ortho với việc tạo ra các sản phẩm 3D và 2D có độ chính xác cao. Sử dụng hình ảnh drone và hình ảnh số từ trên không, bạn có thể tạo ra DSM độ phân giải đầy đủ, True Orthos, lưới DSM 2D, mây điểm 3D dày đặc, và mô hình 3D chân thực. Bạn cũng có thể tạo sản phẩm Ortho Mapping từ hình ảnh vệ tinh và hình ảnh từ máy quét trên không. Các wizard hướng dẫn bạn qua các quy trình quang học để tạo không gian làm việc cho loại hình ảnh của bạn, thực hiện điều chỉnh khối và tạo sản phẩm.</p>
Data Interoperability	<p>Tiện ích mở rộng ArcGIS Data Interoperability là một bộ công cụ extract, transform, load (ETL) cho dữ liệu không gian và không phải không gian. Nó hoạt động trong khung xử lý không gian của ArcGIS bằng các công cụ ETL không gian được viết với ứng dụng Safe Software's Feature Manipulation Engine (FME) Workbench, hoặc có thể tương tác trong ứng dụng Workbench được khởi chạy từ tab Phân tích. Tiện ích mở rộng này cho phép ArcGIS Pro nhập, sử dụng, và xuất hàng trăm định dạng dữ liệu tệp, cơ sở dữ liệu và web.</p> <p>*Note: Tiện ích mở rộng này được cài đặt riêng biệt với ArcGIS Pro.</p>
Data Reviewer	<p>Tiện ích mở rộng ArcGIS Data Reviewer cung cấp các công cụ tự động hóa và đơn giản hóa quá trình kiểm soát chất lượng dữ liệu của bạn. Bạn có thể kiểm tra dữ liệu về lỗi thông qua phương tiện tự động hoặc trực quan, và quản lý tập trung quy trình sửa lỗi và xác minh.</p>
Indoor Positioning System (IPS)	<p>ArcGIS IPS là một tiện ích mở rộng hệ thống định vị trong nhà (IPS) cung cấp khả năng xác định vị trí chính xác cho nhiều trường hợp sử dụng vị trí trong nhà. ArcGIS IPS cho phép bạn định vị trong nhà bằng cách hiển thị một điểm xanh trên bản đồ trong nhà kỹ thuật số, chia sẻ vị trí thời gian thực của bạn với người khác (tùy chọn), theo dõi vị trí thời gian thực của người khác (tùy chọn), thu thập dữ liệu vị trí và khám phá các thông tin phân tích.</p> <p>*Note: Tiện ích mở rộng này được cài đặt riêng biệt với ArcGIS Pro.</p>
Indoors	<p>Cần có giấy phép ArcGIS Indoors Pro hoặc ArcGIS Indoors Maps để sử dụng các công cụ xử lý Indoors để tải dữ liệu bản đồ nền và tạo một mạng lưới có thể định tuyến, cấu hình các thể loại Indoors và khởi chạy các hành động, và tạo và chia sẻ bản đồ nhận thức theo tầng trong ArcGIS Pro.</p>
LocateXT	<p>*Note: Tiện ích mở rộng này được cài đặt riêng biệt với ArcGIS Pro.</p> <p>Tiện ích mở rộng ArcGIS LocateXT cung cấp các công cụ để trích</p>

	<p>xuất tọa độ địa lý, tên địa phương và các dữ liệu vị trí khác từ văn bản không cấu trúc và chuyển đổi thông tin này thành một lớp đối tượng điểm.</p>
Publisher	<p>Tiện ích mở rộng ArcGIS Publisher cho phép bạn chia sẻ các gói bản đồ di động (mobile map packages) trực tiếp với người dùng ứng dụng ArcGIS Field Maps. Người dùng có thể mở gói bản đồ và sử dụng bản đồ mà không cần đăng nhập vào ArcGIS Online.</p>
StreetMap Premium	<p>Mỗi tiện ích mở rộng ArcGIS StreetMap Premium khu vực cung cấp dữ liệu đường phố phong phú cho bản đồ hóa theo nhiều tỷ lệ, mã hóa địa chỉ chính xác, và phân tích mạng tối ưu, bao gồm định tuyến và hướng dẫn lái xe.</p> <p>*Note: Tiện ích mở rộng này được cài đặt riêng biệt với ArcGIS Pro.</p>
Territory Design	<p>Tiện ích mở rộng ArcGIS Territory Design cung cấp các công cụ để xây dựng, chỉnh sửa, cân bằng, và duy trì các vùng lãnh thổ cho các bộ dữ liệu điểm và đa giác. Sử dụng các ranh giới tùy chỉnh hoặc các lớp địa lý trong Business Analyst, bạn có thể tạo tự động, cân bằng và chỉnh sửa các khu vực bán hàng, khu vực dịch vụ hoặc vùng nhượng quyền.</p> <p>*Note: Tiện ích mở rộng này được đi kèm với ArcGIS Business Analyst.</p>
Workflow Manager	<p>Tiện ích mở rộng ArcGIS Workflow Manager là thành phần máy tính để bàn của kiến trúc dịch vụ của ArcGIS Workflow Manager Server cho phép bạn tạo ra các quy trình làm việc liền mạch trên các nền tảng máy tính để bàn, web và di động. Workflow Manager là một hệ thống quản lý quy trình làm việc có thể mở rộng giúp tự động hóa và đơn giản hóa nhiều khía cạnh của công việc GIS và phi GIS lặp đi lặp lại để tăng năng suất trong một tổ chức.</p>
Workflow Manager (Classic)	<p>ArcGIS Workflow Manager (Classic) là phiên bản truyền thống của Workflow Manager giúp bạn chuẩn hóa, quản lý và theo dõi công việc GIS (cũng như công việc phi GIS hoặc công việc kết hợp) trong một môi trường cơ sở dữ liệu đa người dùng.</p>

3. Industry focused (Tiện ích mở rộng ArcGIS Pro theo ngành):

Name	Description
Aviation Airports	Tiện ích mở rộng ArcGIS Aviation Airports cung cấp các công cụ giúp đảm bảo dữ liệu vận hành đáp ứng các yêu cầu quy định của sân

Name	Description
Aviation Charting	<p>bay. Nó bao gồm một cơ sở dữ liệu sân bay đã sẵn sàng để sử dụng, các công cụ kiểm tra dữ liệu đã được cấu hình, công cụ quản lý bề mặt cản trở, các mẫu chỉnh sửa dữ liệu và nhập khẩu, xuất khẩu tự động giữa các lớp đối tượng cơ sở dữ liệu và shapefile.</p> <p>Tiện ích mở rộng ArcGIS Aviation Charting cung cấp các công cụ để tạo sản phẩm định hướng cho hàng không, quản lý dữ liệu hàng không hiệu quả và tuân thủ các tiêu chuẩn quy định trong môi trường doanh nghiệp.</p>
Bathymetry	<p>Tiện ích mở rộng ArcGIS Bathymetry cung cấp các công cụ để tạo ra một Hệ thống Thông tin Đo sâu (BIS), chỉnh sửa và xuất dữ liệu BIS, và tạo sản phẩm cũng như dữ liệu bị suy giảm và tổng hợp thích hợp để sử dụng trong sản xuất bản đồ hải lý.</p>
Defense Mapping	<p>Tiện ích mở rộng ArcGIS Defense Mapping cung cấp các công cụ để thu thập và ghi nhãn dữ liệu chuyên biệt, duy trì cơ sở dữ liệu, và kiểm tra dữ liệu, theo yêu cầu của các sản phẩm Topographic Data Store (TDS) và Multinational Geospatial Co-Production Program (MGCP).</p>
Maritime	<p>Tiện ích mở rộng ArcGIS Maritime cung cấp các công cụ để quản lý thông tin thủy văn. Bạn có thể tạo, nhập khẩu, ký hiệu, quản lý, và lưu trữ các sản phẩm vector S-57 và S-100, các sản phẩm giấy S-4, và dữ liệu định dạng Vector Product Format (VPF) trong định dạng Digital Nautical Chart (DNC).</p>
Pipeline Referencing	<p>Tiện ích mở rộng ArcGIS Pipeline Referencing cung cấp các chức năng và công cụ để xây dựng và duy trì một hệ thống tham chiếu tuyến tính (LRS) cho các đường ống. Tiện ích mở rộng này bao gồm một mô hình dữ liệu đã được xác định sẵn và cũng cho phép bạn định nghĩa mô hình dữ liệu riêng của mình.</p> <p>*Note: Tiện ích mở rộng này yêu cầu triển khai ArcGIS Enterprise.</p>
Production Mapping	<p>Tiện ích mở rộng ArcGIS Production Mapping cung cấp các công cụ để chuẩn hóa và tinh giản quy trình GIS trong toàn bộ tổ chức của bạn trong các lĩnh vực sản xuất bản đồ địa hình, thu thập đặc trưng địa lý, và quản lý dữ liệu cùng với kiểm soát chất lượng.</p>
Roads and Highways	<p>ArcGIS Roads and Highways là một giải pháp tham chiếu tuyến</p>

Name	Description
	<p>tính (LRS) cung cấp các công cụ để trực quan hóa và duy trì Mạng LRS đường bộ và dữ liệu sự kiện liên quan. Tiện ích mở rộng này bao gồm một mô hình dữ liệu đã được xác định sẵn và cũng cho phép bạn định nghĩa mô hình dữ liệu của riêng mình.</p> <p>*Note: Tiện ích mở rộng này yêu cầu triển khai ArcGIS Enterprise.</p>