PanunTools - ArcGIS Pro License Requirements

Toolset	Tool	License Level Required
Daily Workflow	Calculate Containment	**Basic** • **Contained vs Uncontained** **Advanced** • **Inspect Alignment** o *arcpy.PolygonToLine_management()* o *arcpy.Erase_analysis()* • **Contained vs Exterior Length** o *arcpy.PolygonToLine_management()* o *arcpy.Erase_analysis()*
	Calculate Ownership	**Advanced** • *arcpy.Identity_analysis()*
	Create Fire Perimeter Export	**Basic**
	Create Fire Progression	**Basic**
	Dissolve Explode Perimeter Line	**Basic**
	GISS Workflow Assistant	**Spatial Analyst** • **Insert ElevFeet** o *arcpy.sa.ExtractValuesToPoints()* **Advanced** • **Insert LandOwner into Event Points/Lines** o *arcpy.Identity_analysis()*
	PDF Georeference Check	**Basic**
	PDF Multi Export	**Basic**
	Update Perimeter IR	**Basic** • **Isolated Heat** • **Intense Heat** • **Scattered Heat** **Advanced** • **Inspect Growth/Reduction** o *arcpy.Erase_analysis()* o *arcpy.PolygonToLine_management()* • **Check Alignment of Contained Features** o *arcpy.Erase_analysis()* • **Heat Perimeter** o *arcpy.PolygonToLine_management()* o *arcpy.Erase_analysis()*

Data Download	Base Data Acquisition	**Basic**
		• **USGS Topo Vector**
		• **SMA**
		
		Standard
		• **NAIP Imagery**
		 o *arcpy.CreateMosaicDataset_management()*
		 o *arcpy.AddRastersToMosaicDataset_management()*
		 o *arcpy.DefineMosaicDatasetNoData_management()*
		 o *arcpy.BuildFootprints_management()*
		• **DEM 10m & 30m**
		 o *arcpy.CreateMosaicDataset_management()*
		 o *arcpy.AddRastersToMosaicDataset_management()*
		 o *arcpy.BuildOverviews_management()*
		
		Advanced
		• **USGS Topo Raster 100k & 250k**
		 o *arcpy.FeatureVerticesToPoints_management*()
		  • *Requires Advanced License*
		 o *arcpy.AddRastersToMosaicDataset_management()*
		  • *Requires Standard License*
		 o *arcpy.CreateMosaicDataset_management()*
		  • *Requires Standard License*
		
		Standard & **Spatial Analyst**
		• **USFS Topo Raster 24**
		 o *arcpy.AddRastersToMosaicDataset_management()*
		  • *Requires Standard License*
		 o *arcpy.CreateMosaicDataset_management()*
		  • *Requires Standard License*
		 o *arcpy.sa.Combine()*
		  • *Requires Spatial Analyst*
		• *Raster Hillshade 10m & 30m*
		 o *arcpy.sa.Hillshade()*
		  • *Requires Spatial Analyst*
		 o *arcpy.BuildPyramids_management()*
		  • *Requires Standard License*
		
		Spatial Analyst
		• *Vector Hillshade 10m & 30m*
		 o *arcpy.sa.RemapRange()*
		 o *arcpy.sa.Reclassify()*

	Feature Layer Download	**Basic**
	Feature Service Attachment Download	**Basic**
	Feature Service Backup	**Basic**

Incident Setup	Create Event Point Numbering Guide	**Basic**
	Incident Setup AGOL	**Basic**
	Incident Setup ArcGIS Pro	**Basic**
	Invite Remove Users AGOL	**Basic**
Miscellaneous	Bookmarks to Index Feature Class	**Basic**
	Create Content Summary AGOL	**Basic**
	Create Group Member List AGOL	**Basic**
	Summarize Folder Files	**Basic**
	Topo Raster 24K Symbolize	**Basic**