**Automated Drone Workflow GP Tool Documentation**

This GP tool finds the following file extensions (.lasd, .vrt, and .slpk) in the output product folder and publishes the products as a Tile Package (.vrt files) or a Scene Layer Package (.slpk or .lasd files). Files with the extension .vrt will be converted to a .crf file before being uploaded as a tile package to ArcGIS Online (AGOL). The GP tool will automatically publish these packages in AGOL for the user as either a Scene Layer or Tile Layer, depending on the product you are publishing.

The products from the workflow will be published to AGOL as Tile Package (DSM or True Ortho outputs) or a Scene Layer Package (DSM\_Mesh, Mesh or Point\_Cloud outputs). As mentioned earlier these packages will automatically be published for the user as either a Scene Layer or Tile Layer.

Scene Layer packages (.slpk) contain a cache of a building, a multipatch, an integrated mesh, a point, or a point cloud dataset.

Tile packages (.tpk) contain a set of tiles (images) from a map or raster dataset that can be published as a web tile or web elevation layer. Alternatively, you can use the tile package as a basemap in ArcGIS applications.

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Workflow Output Products

This is what the tool will look like when the user opens it. The two inputs are required to run the tool. This tool will publish your output products from the Drone Workflow. The user will input the folder containing the product they wish to publish to their AGOL account, and they will specify a name for the package to be shared.

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The product outputs will be located in the “Results” Folder. For example, if the user wants to publish the Point\_Cloud product to their AGOL account, the user will input the Point\_Cloud folder into the GP tool. The only exception will be publishing the DSM. The user will need to navigate into the DSM folder and select the “tif” folder.

Hovering over the “i” will provide the user with more information on what to input into each parameter.

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This is an example of what the DSM\_Mesh will look like in AGOL after the GP tool is run. Depending on what the user names their package, the names for the outputs will appear different, in this case the name "DSM\_Mesh” was chosen.

The user will find a Scene Layer Package and a Scene layer (hosted) which was published from the Scene Layer Package for this example. Other products may be published as Tile Packages/Tile Layers (DSM or True Ortho outputs)

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