Esri Production Mapping: Automate Map Production With ArcGIS Workflow Manager

Joe Sheffield
Employ consistent processes

Step 1

Step 2

Step 3
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Step 1

Step 2

Step 3
Civilian Topographic Model (CTM)
Enabling Production Mapping for Topographic Mapping

- Template Maps
- Cartographic Rules
- Generalization Rules
- Editing Rules
- Validation Rules
- Workflows
- Sample Data

Derived from NFDD
https://github.com/esri/ctm
Jobs

- Area of Interest
- Resources
- Workflow
- Activity Log
- Geospatial Data
- Descriptive Information
- Area of Interest
Jobs

- Workflow
- Resources
- Activity Log
- Area of Interest
- Geospatial Data
- Descriptive Information
Automation - WMX Custom Steps
WMX Custom Steps Demo
with ArcGIS Workflow Manager
Automation - Geoprocessing Tools
Python Demo
with ArcGIS Workflow Manager
Map Generation
with ArcGIS Workflow Manager
Cartographic Production

Cartographic Rules

- Production Mapping Tools.txt
  - Cartographic Data
  - Cartographic Editing
  - Conversion
  - Distributed Geodatabase
  - Editing
  - Generalization
  - Product Library
  - Surround Elements
  - Symbology
    - Calculate Visual Specifications
    - Drop Visual Specifications
    - Select Features By Specifications Difference
    - Select Features By Symbol Color
  - Utilities

Diagram:
- Resource Mxd to Replica Database (Cartography)
  - Apply VST Rules
  - Convert Labels to Annotations
  - Launch ArcMap (Cartography)
Cartographic Production

Make Map

- Launch A/Map (Cartography)
- Map Generation Step
- Add PDF to Job
- Internal Map QC
  - Cartographic Project Lead
  - Cartographic Technician
- Map Edits?
Questions?
References

**Civilian Topographic Model**

[https://github.com/esri/ctm](https://github.com/esri/ctm)

**Workflow Manager**

Learn More:


60-day Free Evaluation

**Production Mapping**

Learn More:

[http://www.esri.com/productionmapping](http://www.esri.com/productionmapping)

60-day Free Evaluation

**Reach out:**

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