Esri Production Mapping: An Introduction
Amber Bethell & Joseph Sheffield
Your organization’s processes

Collect

Share

Manage

Produce
Esri Production Mapping solution

Data Production

Cartography

Workflow

Data Validation
Production Mapping provides tools to support the entire production workflow

Data Production → Data Validation → Cartographic Production → Disseminate
Workflows

- Data Production
- Data Validation
- Cartographic Production
- Disseminate

Increase productivity through consistent processes
Employ consistent processes

Step 1

Step 2

Step 3
Employ consistent processes

Step 1 → Step 2 → Step 3
Employ consistent processes
Employ consistent processes
Manage and track work

Who is available?
Where is work happening?
What are you working on?
When will you be done?
Manage and track work

Who is available?
Where is work happening?
What are you working on?
When will you be done?
Manage and track work

Who is available?  
Where is work happening?  
What are you working on?  
When will you be done?
Workflow Manager

Manage

Execute

Configure
Workflow Manager

- Manage
  - Versions
  - Maps
  - Resources

- Execute
  - Geoprocessing
  - Applications
  - ArcMap

- Configure
Jobs

Workflow

Jobs
Workflow Manager

Ensuring the right work is completed...

...the right way...

...at the right time...

...by the right person
Work Management

with ArcGIS Workflow Manager
Data Production

Creating and maintaining authoritative data
Seamless data collection
Seamless data collection
Feature collection specifications

- Building_Point
- Building_Polygon
Feature collection specifications

Building_Point

Building_Polygon
Feature collection specifications

Building_Point
Building_Polygon
Feature collection specifications

Building_Point

Building_Polygon
Feature collection specifications

Building_Polygon – length and width > 50 meters
Building_Point – length and/or width < 50 meters
Feature collection specifications

Building_Polygon – length and/or width > 50 meters
Building_Point – length and/or width < 50 meters
Configure your standards
Integrate workflows
Integrate workflows
Configure field display
Configure field display

Editing Rules
Ensure correctness
Ensure correctness

Attribute 3 must be populated
Production Mapping - Editing

Creating and maintaining high quality data ...

...consistently...

...competently...

...and correctly
Data Editing

with Esri Production Mapping
Data Validation

Putting an emphasis on quality data
Data quality matters!
Data quality matters!

- Intended purpose & use
- Technical Specifications
- Client Requirements
- Industry Standards
Quality control life cycle
Quality control life cycle
Quality control life cycle
Quality control life cycle

Review → Correct
Quality control life cycle

1. Review
2. Correct
3. Verify
Quality control life cycle

1. Review
2. Correct
3. Verify
Quality control life cycle

1. Review
2. Correct
3. Verify
Quality control life cycle

Review → Correct → Verify
Centralized error information
Centralized error information
Better data produces...

...better maps...

...and better analysis
Quality Control

with ArcGIS Data Reviewer
Cartographic Production

Creating high-volume, specification driven products

Data Production

Data Validation

Cartographic Production

Disseminate

Workflows
Standard products
Standard products
Standard products

Product Library

Maps & Files

Carto Rules
Standard products
Standard products

Product Library

Maps & Files

Carto Rules
Cartographic workflow steps

• Context
Cartographic workflow steps

- Context
- Cartographic data
Cartographic workflow steps

- Context
- Cartographic data
- Symbology
Cartographic workflow steps

- Context
- Cartographic data
- Symbology
- Cartographic edits
Cartographic workflow steps

- Context
- Cartographic data
- Symbology
- Cartographic edits
- Layout
Cartographic workflow steps

- Context
- Cartographic data
- Symbology
- Cartographic edits
- Layout
- Print
Producing great maps and charts...

...with great quality...

...in great quantity
Cartography
with Esri Production Mapping
Workflows

What’s Next
For Production Mapping and You
Esri Production Mapping

Editing
Cartography
Product Library

Extensions

ArcGIS Data Reviewer for Desktop
ArcGIS Workflow Manager for Desktop
Mapping and Charting Solutions

Esri Production Mapping

Extensions

ArcGIS Data Reviewer for Desktop
ArcGIS Workflow Manager for Desktop
Mapping and Charting Solutions

Esri Production Mapping

ArcGIS for Aviation
Esri Defense Mapping Solution
ArcGIS for Maritime

Editing
Cartography
Product Library

Extensions
ArcGIS Data Reviewer for Desktop
ArcGIS Workflow Manager for Desktop

Server Extensions
ArcGIS Data Reviewer for Server
ArcGIS Workflow Manager for Server
Mapping and Charting Solutions

Esri Production Mapping

Extensions

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Editing
Cartography
Product Library

Server Extensions

ArcGIS Data Reviewer for Server
ArcGIS Workflow Manager for Server
Esri Production Mapping for Server

ArcGIS for Aviation
Esri Defense Mapping Solution
ArcGIS for Maritime

ArcGIS for Aviation
Esri Defense Mapping Solution
ArcGIS for Maritime
Production Mapping Server
Real-time vector cartography with layouts over the web
Multi-scale mapping tools

9.x

10.2.2

10.3 and Beyond

Insert picture of fill gaps
Multi-scale mapping samples
Multi-scale mapping samples
ArcGIS Pro – Workflow Manager
ArcGIS Pro – Data Reviewer
# Production Mapping Technical Workshops

<table>
<thead>
<tr>
<th>Day &amp; Time</th>
<th>Session</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>Tues 8:30am – 9:45am</td>
<td>ArcGIS Data Reviewer: An Introduction</td>
<td>14 A</td>
</tr>
<tr>
<td>Wed 8:30am – 9:45am</td>
<td>ArcGIS Data Reviewer: An Introduction</td>
<td>14 A</td>
</tr>
<tr>
<td>Wed 8:30am – 9:45am</td>
<td>Esri Production Mapping: An Introduction</td>
<td>15 B</td>
</tr>
<tr>
<td>Wed 10:15am – 11:30 am</td>
<td>ArcGIS Workflow Manager: An Introduction</td>
<td>14 A</td>
</tr>
<tr>
<td>Wed 3:15pm – 4:30pm</td>
<td>ArcGIS Data Reviewer: Planning and Deploying Data Quality Services</td>
<td>15 B</td>
</tr>
<tr>
<td>Thurs 10:15am – 11:30am</td>
<td>ArcGIS Workflow Manager: Advanced Workflows and Concepts</td>
<td>15 A</td>
</tr>
<tr>
<td>Thurs 3:15pm - 4:30pm</td>
<td>Esri Production Mapping: Advanced Cartography</td>
<td>15 B</td>
</tr>
<tr>
<td>Thurs 3:15pm – 4:30pm</td>
<td>Esri Production Mapping: An Introduction</td>
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Resources

- **External Product page** [www.esri.com/productionmapping](http://www.esri.com/productionmapping)
  - 60-day Free Evaluation

- **Training** [www.esri.com/training](http://www.esri.com/training)
  - Streamline and Standardize Cartographic Workflows with Esri Production Mapping

- **Production Mapping Resource Center**

- **Email questions and comments** productionmapping@esri.com
Thank you...

- Please fill out the session survey:

  **First Offering ID: 1290**  
  **Second Offering ID: 1390**

  Online – [www.esri.com/ucsessionssurveys](http://www.esri.com/ucsessionssurveys)  
  Paper – pick up and put in drop box