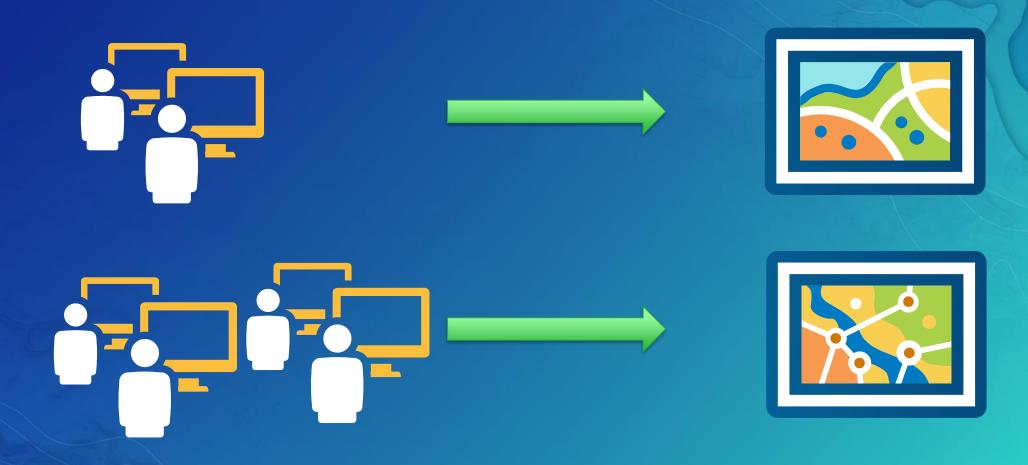


No Standards



With Standards









Data and Map Production



Data and Map Production

ArcGIS Workflow Manager

Workflows

ArcGIS
Data
Reviewer

Quality
Control

Esri
Production
Mapping
Cartography

Automation
Efficiency
Accuracy
Standardization
Quality
Safety
Continual



What is a workflow?

 A workflow is a sequence of steps that a unit of work has to pass from initiation to completion.

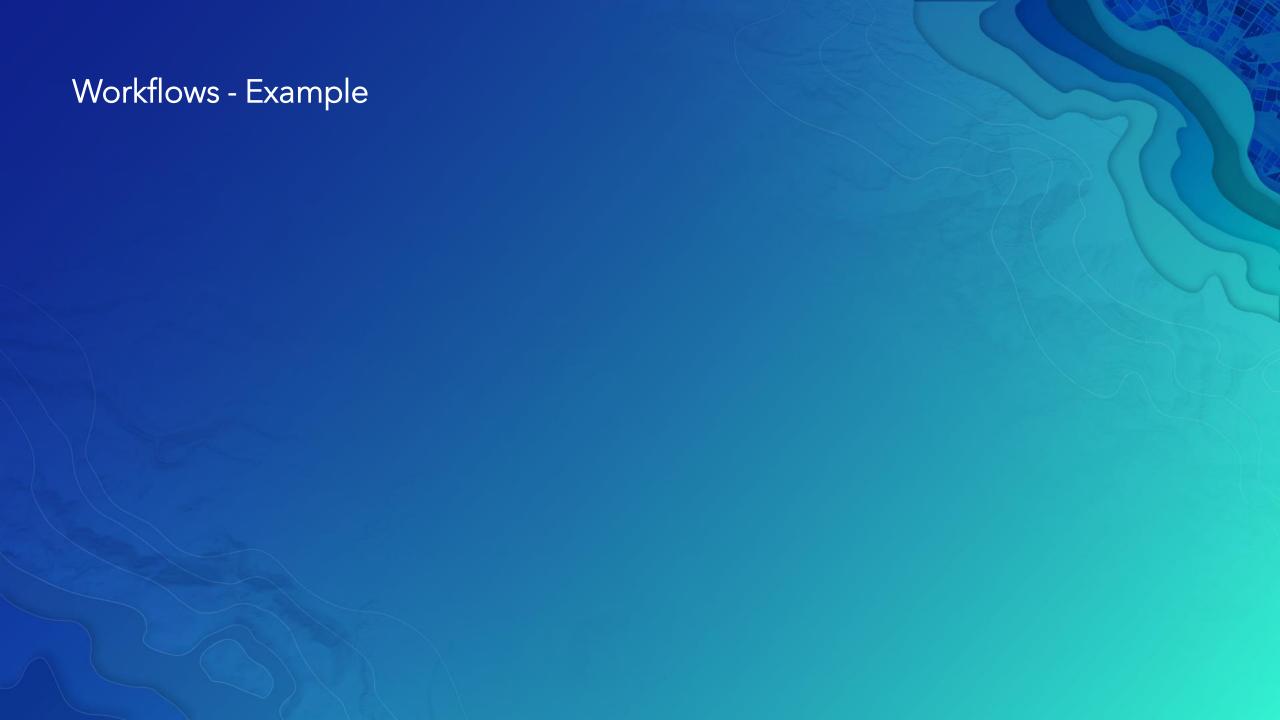


Infrastructure Repair



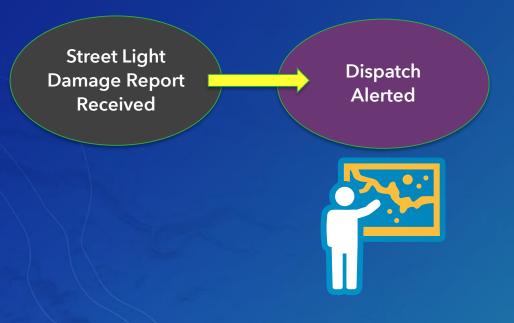


Emergency Management

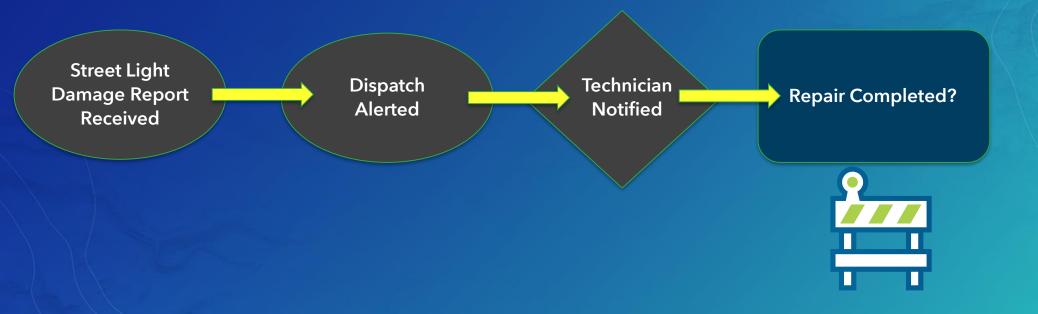


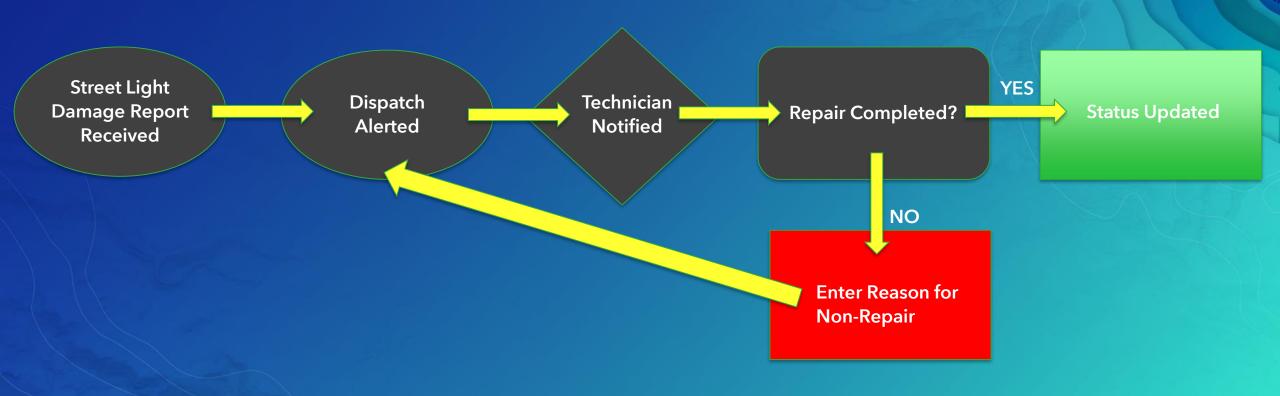
Street Light Damage Report Received

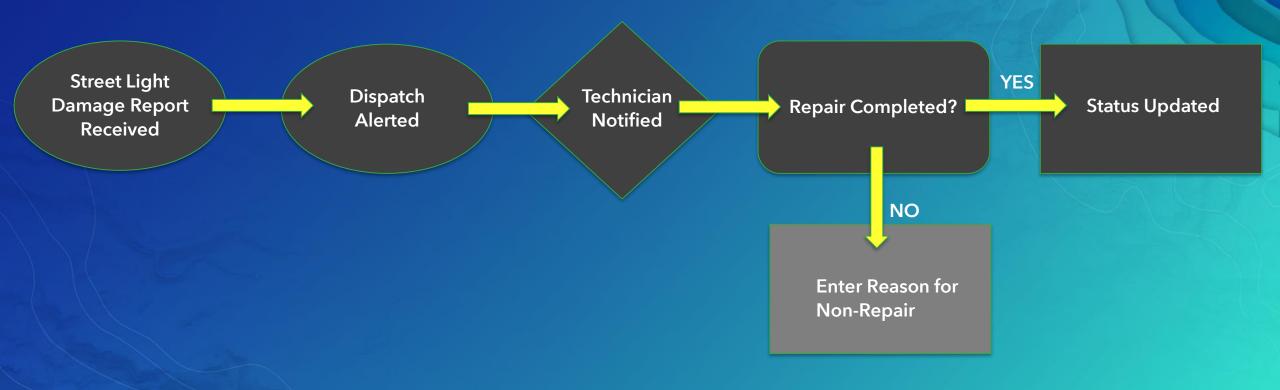












Centralized Workflows



Supporting GIS professionals and the entire organization

Configure and Create

- Configure Repeatable Steps
- Create Units of Work based on Workflows



Execute and Manage

- Manage Due Dates/Priorities
- Execute Workflow



Evaluate and Improve

- Measure Performance
- Refine Workflows
- Adapt



ArcGIS Workflow Manager Server



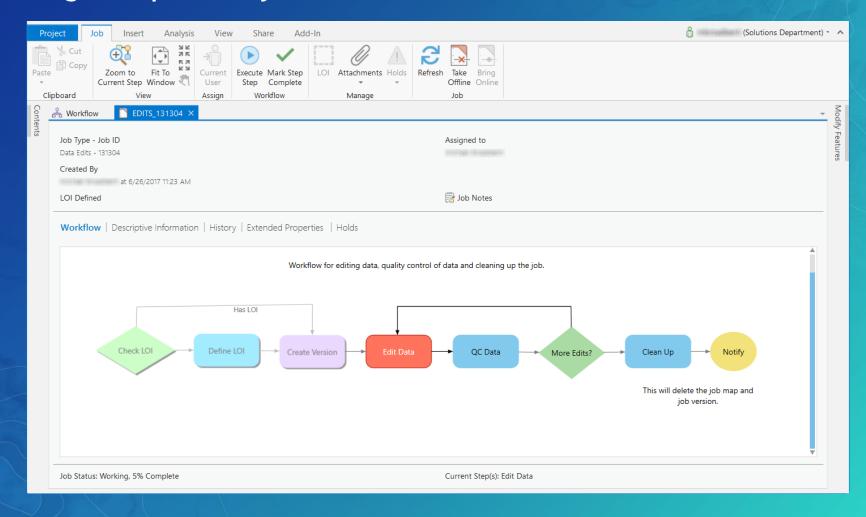
Expose workflow capabilities to your entire Organization

Demo

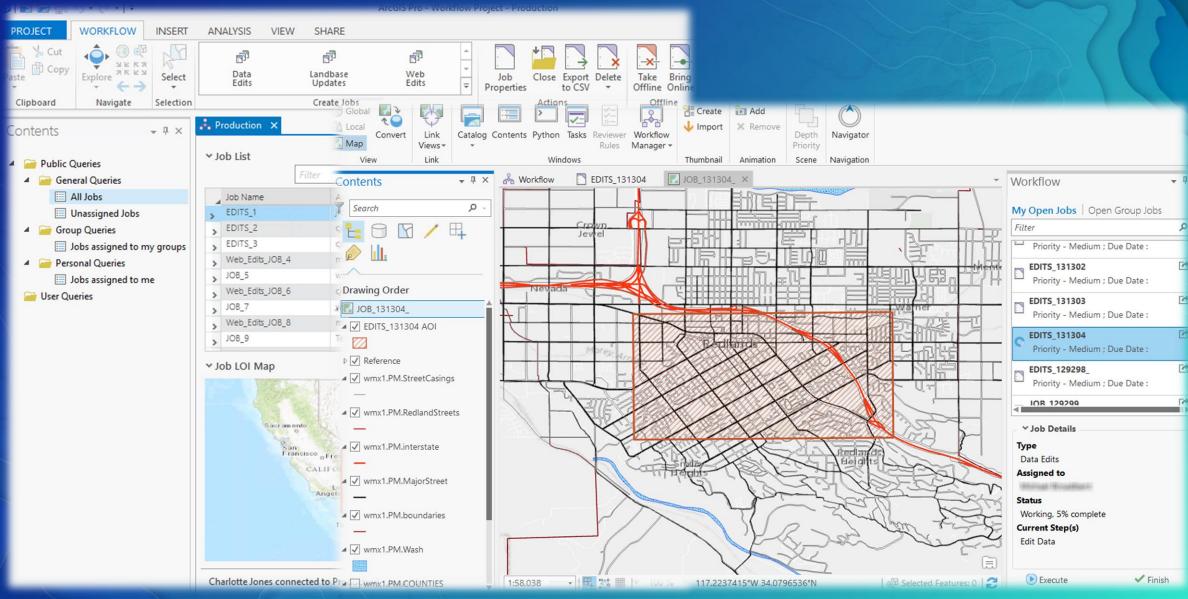
ArcGIS Workflow Manager

Workflow Manager in ArcGIS Pro

Currently working on equivalency



ArcGIS Workflow Manager in ArcGIS Pro





Defining Quality

A business perspective

Executive

- Confidently make decisions
- Reduce financial risk
- Optimize organizational performance

Manager

- Effective data stewardship
- Drive increased usage
- Maximize productivity

Knowledge worker

- Increased efficiencies
- Confidence in GIS



Defining Quality



What is ArcGIS Data Reviewer?

Data Quality Management for ArcGIS

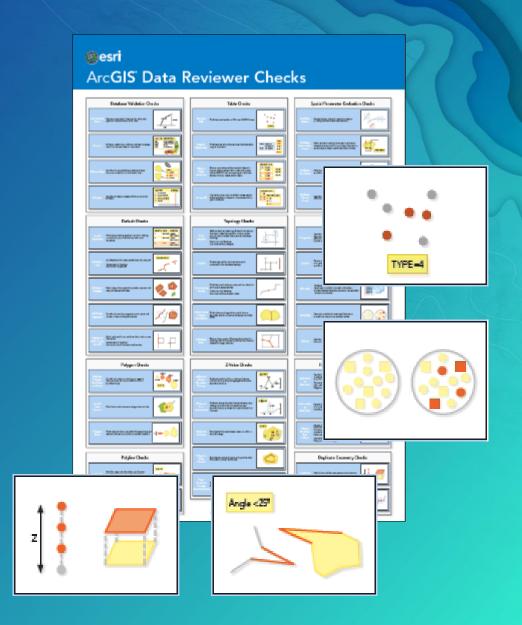
Provides

- Rule-based validation
- Interactive tools
- Track errors
- For individuals and enterprise
 - Saves time/money
 - Less rework
- For multiple domains
 - Configurable
 - Extendable



Automate data validation

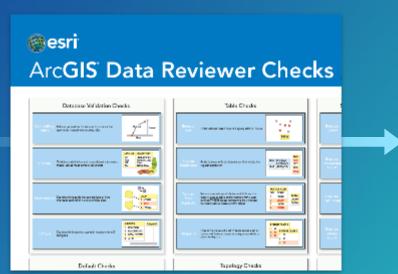
- Data quality checks
 - 42 configurable checks
 - Attributes
 - Spatial relationships
 - Feature integrity
 - Metadata

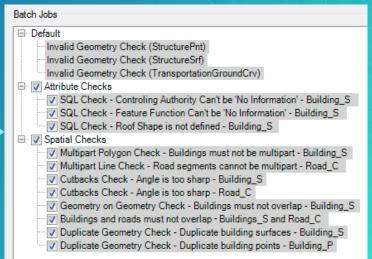


Automate data validation

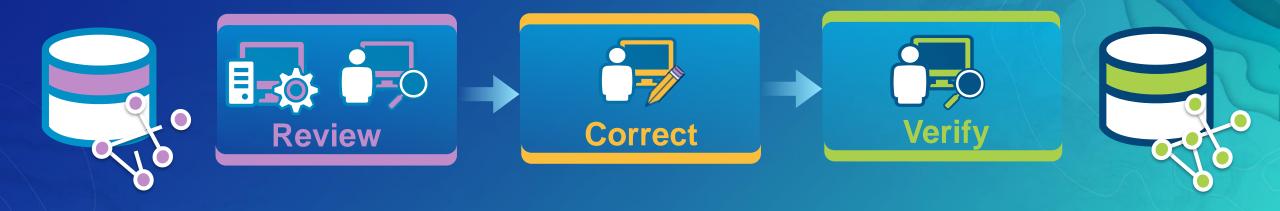
- Define and encapsulate quality requirements
- Configure automated checks
- Design once and execute many times

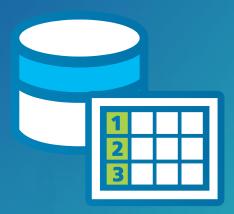






Quality control life cycle





What is ArcGIS Data Reviewer for Server?

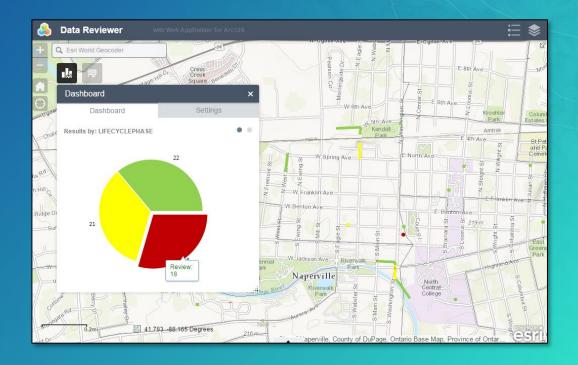
- Support data quality management
- Automate
- Measure data quality



Data Quality Reporting

Enabling transparency in data quality

- Better decision making by communicating data quality across stakeholders
- Open quality reporting
- Shared across ArcGIS system
- Tools and methods to communicate quality



Where to start Leveraging templates

- Data Reviewer Templates
 - Electrical utilities
 - Gas utilities
 - Local government
 - Topographic mapping
 - Water resources
 - Water utilities
- Based on Esri industry models
- Use as starting point



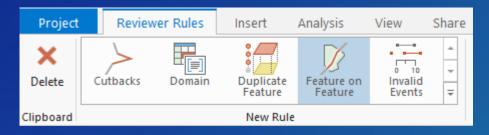
Demo

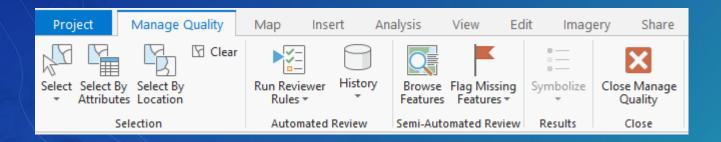
ArcGIS Data Reviewer

ArcGIS Data Reviewer in ArcGIS Pro

What's Next?

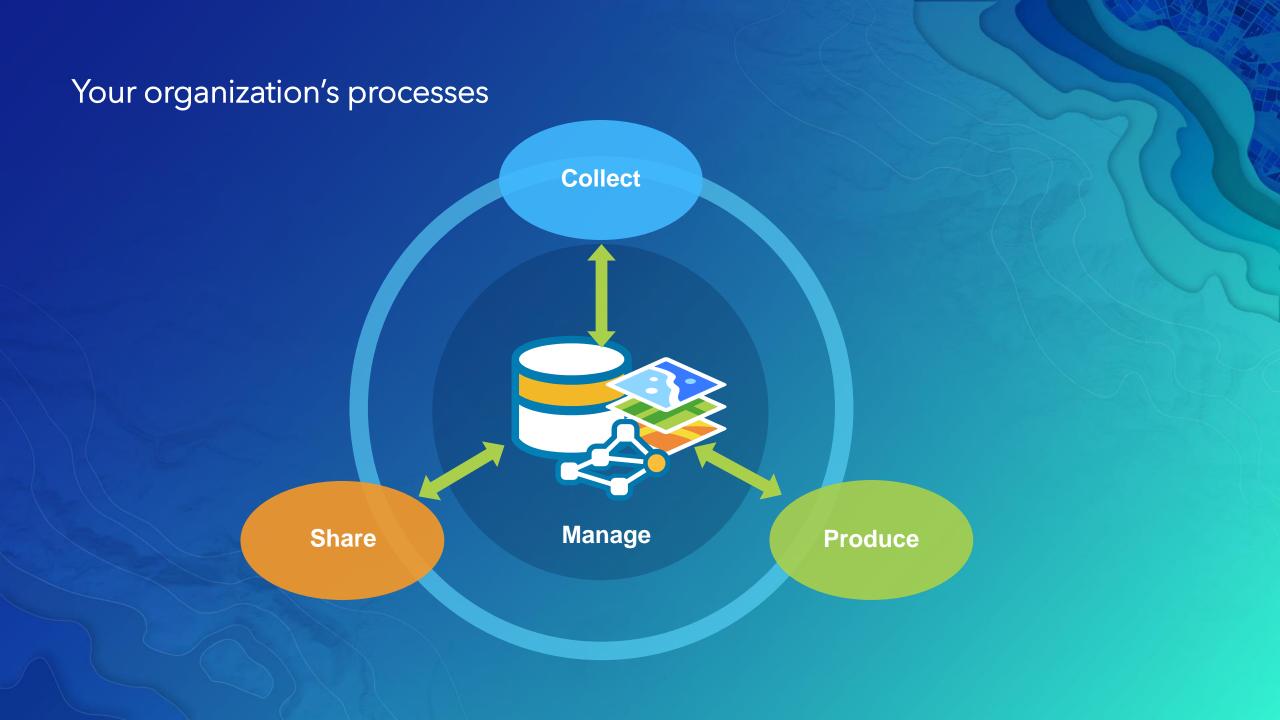
Adding New Configurable Checks Each Release

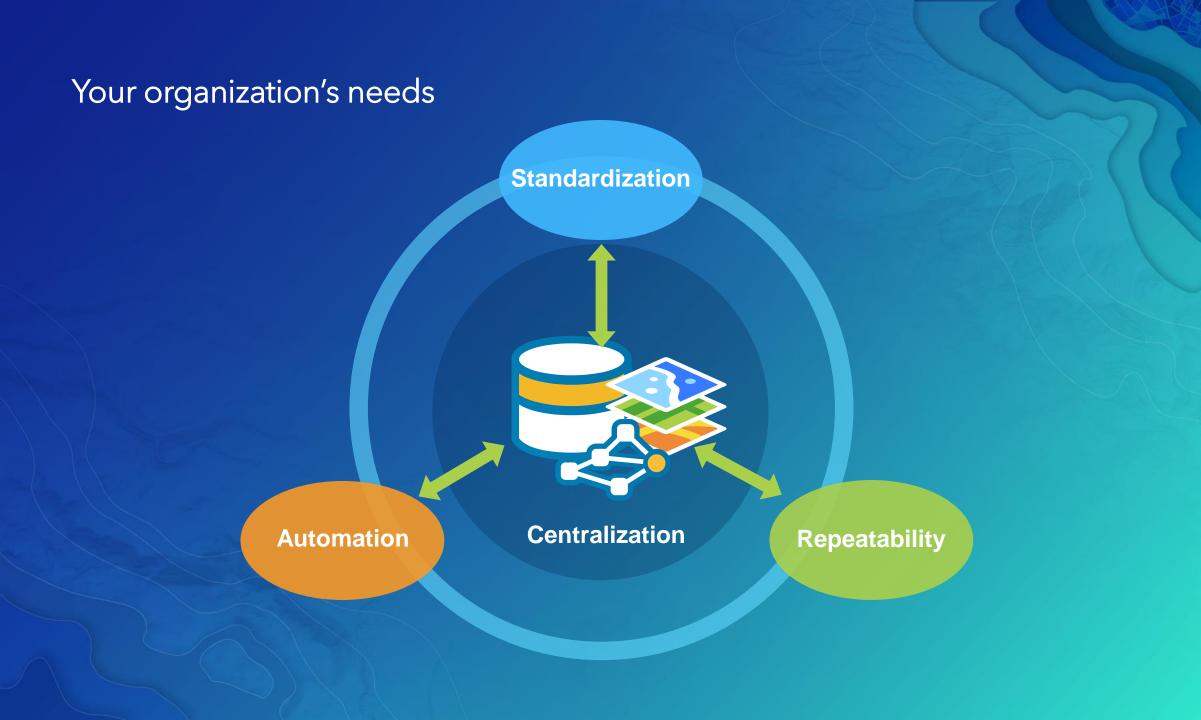




Feature on Feature	
→ Data Sources	
* Input Feature Layers	
	A
T Dirty Areas	
Point Errors	
T Line Errors	
Polygon Errors	
VegetationPoints	
T UtilityInfrastructurePoints	
* Features to Compare	
7	+ +
▼ Check Parameters	
Spatial Relationship	
Intersects	
Intersects Search Distance	•
0	*
☐ Invert relationship	
▼ Result Details	
Title	
New Feature on Feature Rule	
Notes	
Severity (1-High, 5-Low)	
3 *	
▼ Tags	

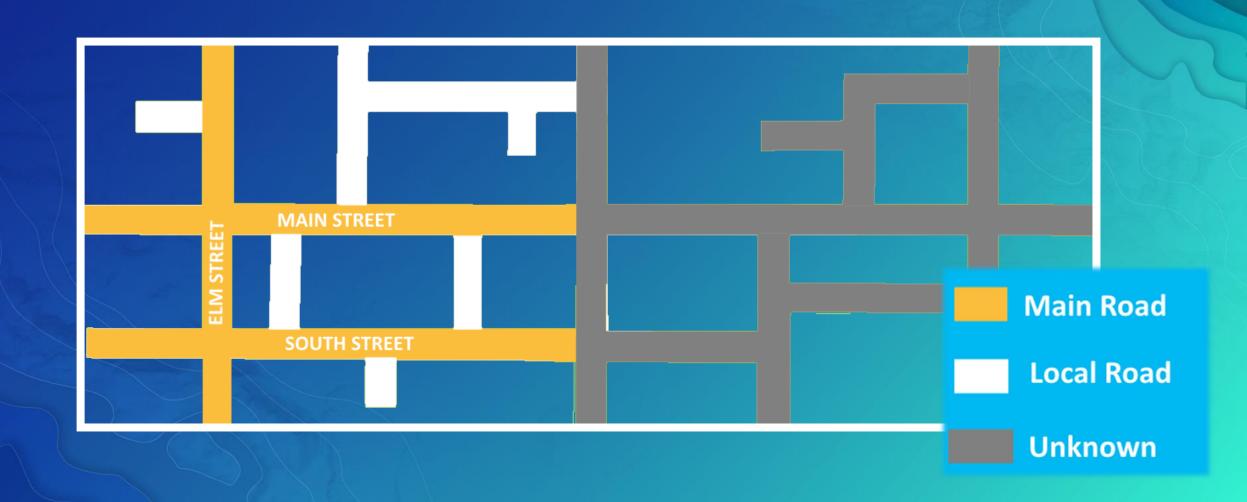
Creating and Managing Specification Driven Maps Esri Production Mapping



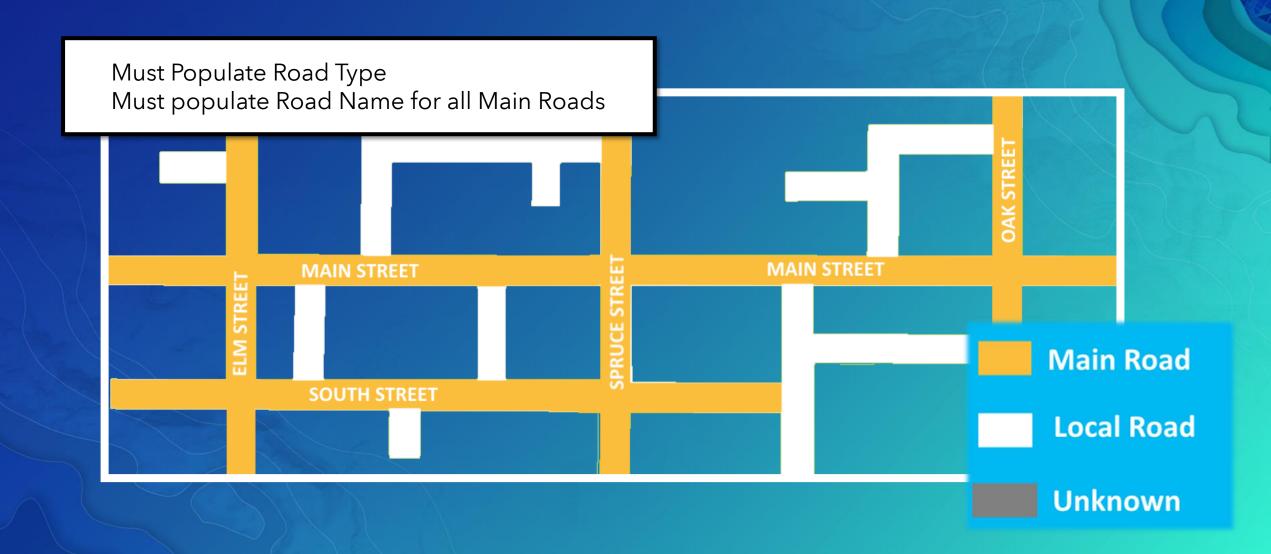


Esri Production Mapping solution Data Production Data Validation Workflow Cartography

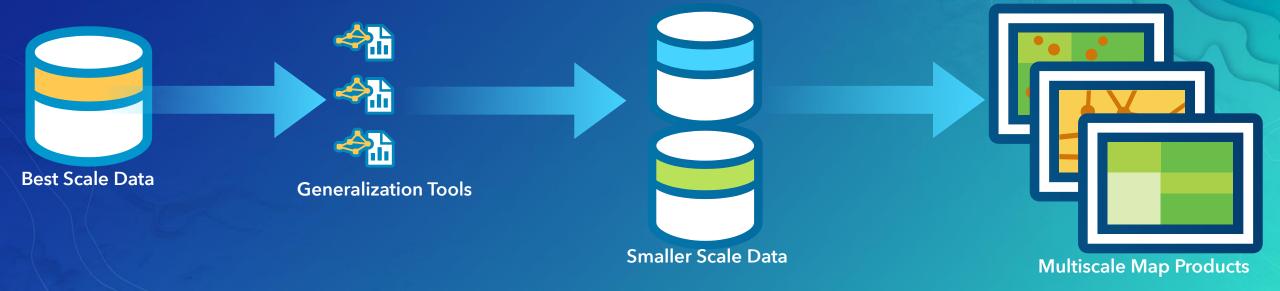
Without Collection Specifications



Feature collection specifications

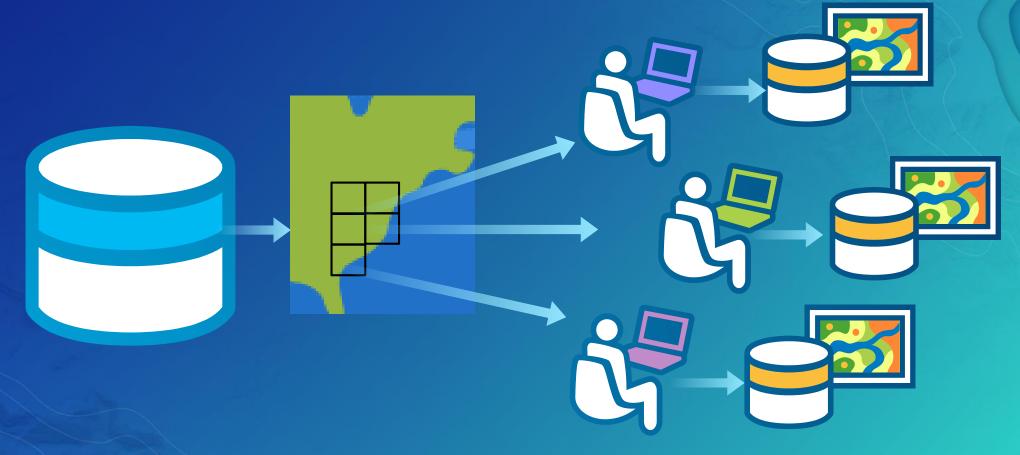


Generalization



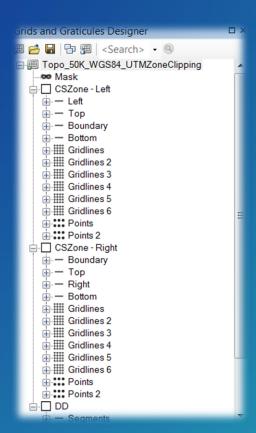
Traditional Cartography

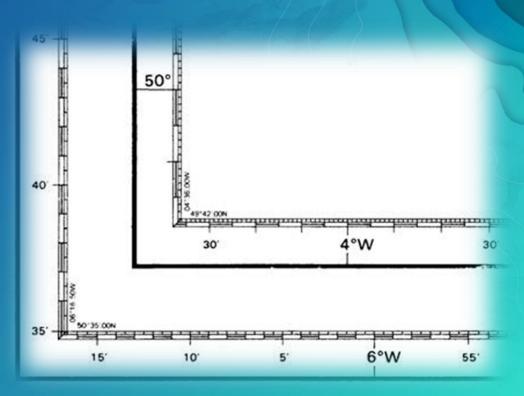
With ArcMap



Grids and Graticules Design

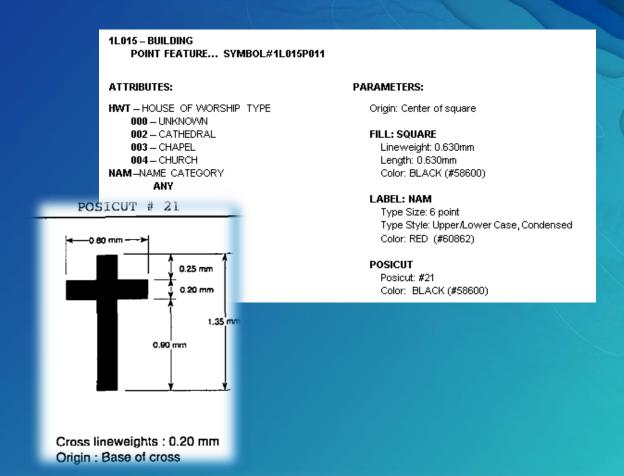
- Feature Based
- Custom Design
- Geographically aware
 - Scale
 - Coordinate system
 - Rotation





Visual Specifications Defining

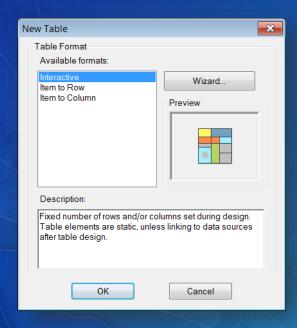
- Create Symbology
- Define Specifications

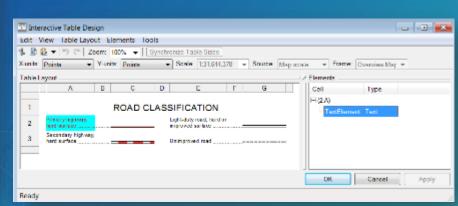


Rule Description Dataset SQL Statement Preview SELECT < Target Table.OID> FROM < Target Table> WHERE F_CODE = 'AL241' Tower Structure Pnt Structure: Tower (with Annotation) Pnt SELECT <TargetTable.OID> FROM <TargetTable> WHERE HWT in (000, 002, 003, 004) structure: Building, HOW - Christian Pnt Church Structure Pnt Ruilding/Shed SELECT / Tames Table OID | FROM / Tames Table | WHERE F. CODE = '41 012' OR F. CODI = | Structure: Building Structure Sif Options >> Cancel

Layout Providing Context

- Graphic Table Element
 - Dynamic table creation
 - Linked to feature layers
 - Include text, symbols

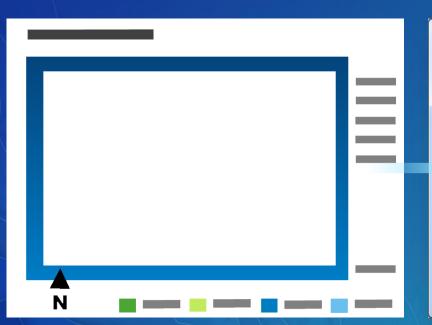


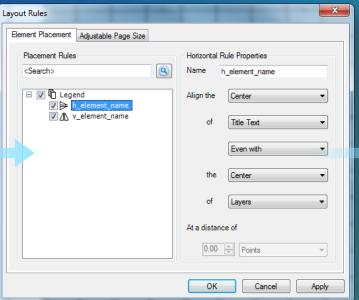




Layout Providing Context

- Element Placement
 - Layout rules



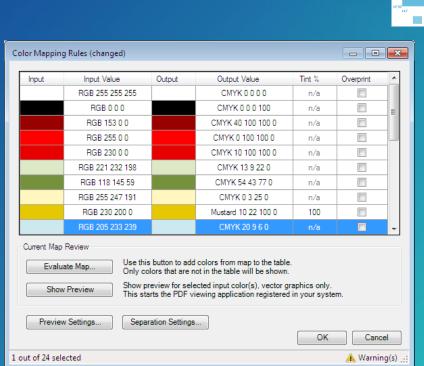




Output Production PDF

- Color Separation
- Transparency
- Overprint
- Etc.

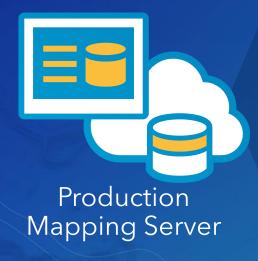


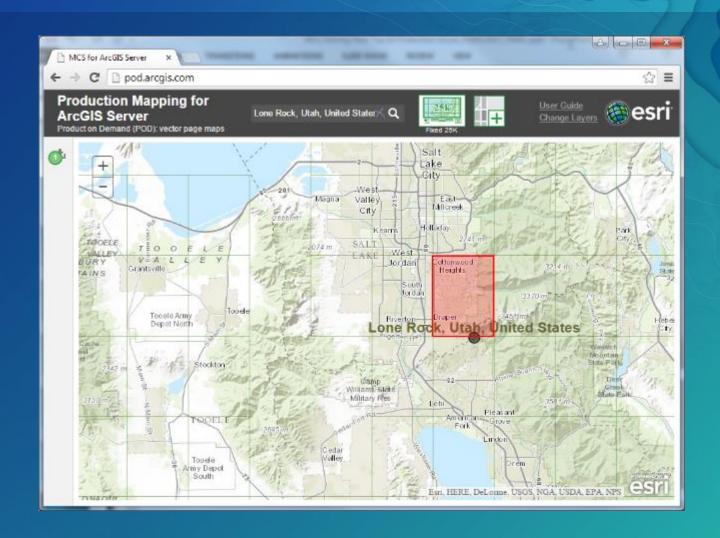




Production Mapping Server

Product on Demand





Demo

Production Mapping Cartography and Server

Moving Forward to Pro

- Production Mapping functionality will be known as Topographic Production
- First functionality will be at the next release



Data and Map Production

ArcGIS Workflow Manager

Workflows

ArcGIS
Data
Reviewer

Quality
Control

Esri
Production
Mapping
Cartography

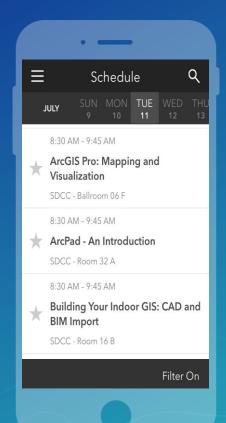
Automation
Efficiency
Accuracy
Standardization
Quality
Safety
Continual

Please Take Our Survey on the Esri Events App!

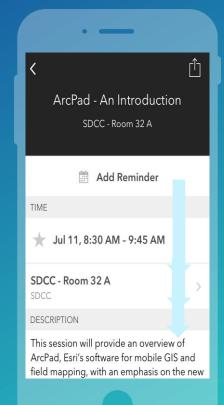
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



Want to learn more this week?

Day and Description	Туре	Time	Location
Wednesday, July 12			
ArcGIS Workflow Manager: Advanced Topics	Technical Workshop	10:15 - 11:30am	SDCC Room 31
ArcGIS Workflow Manager: Integrate Tasks into your Workflow Process	Demo Theater	11:30am - 12:15pm	SDCC Demo Theater 06
Esri Production Mapping: Generating High Quality Product-on- Demand Maps Over the Web	Demo Theater	1:00 - 1:30pm	SDCC Demo Theater 18
ArcGIS Data Reviewer: An Introduction	Technical Workshop	3:15 - 4:30pm	Room 31B
ArcGIS Data Reviewer: Integrating Data Validation Capabilities into Web Applications	Demo Theater	3:30 - 4:15pm	Demo Theater 8 Enterprise
ArcGIS Workflow Manager: Integrating Geoprocessing and Python into your Business Processes	Demo Theater	3:30 - 4:15pm	SDCC Demo Theater 06
Esri Production Mapping: Automate Map Production with ArcGIS Workflow Manager	Demo Theater	3:30-4:15 pm	SDCC Demo Theater 03
ArcGIS Data Reviewer: Implementing Data Quality Reporting in Web Clients	Demo Theater	4:30 - 5:15pm	Demo Theater 8 Enterprise
Thursday, July 13			
Supporting Daily Workflows with Tools	Demo Theater	3:30-4:15pm	SDCC Demo Theater 03
ArcGIS Data Reviewer: Advanced Data Validation	Technical Workshop	8:30 - 9:45am	Room 31A
ArcGIS Data Reviewer: Leveraging Geoprocessing for Data Validation	Demo Theater	9:30 - 10:15am	Demo Theater 6 Spatial Data Mgmt
ArcGIS Data Reviewer: Validating Linear-Referenced Events	Demo Theater	10:30 - 11:15am	Demo Theater 6 Spatial Data Mgmt

