



# MAPLand Act



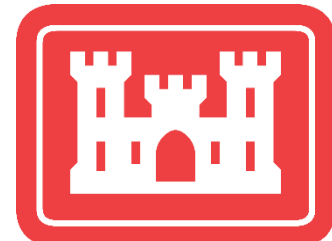
Improving Outdoor Recreation Data for You

Presented By:

Angie Southwold, *NPS AK Region GIS Coordinator*

# MAPLand Act Overview

- “Modernizing Access to Our Public Lands Act”
- [Public Law 117-114 \(congress.gov\)](https://www.congress.gov/public-law/117-114)
- Directs federal land management agencies to standardize and digitize recreational access information and make it available to the public.



# MAPLand Act Intent

Provide easy to use, consistent digital data

TO

THE

PUBLIC

about access to public lands for recreation.



# MAPLand Act Intent

Where  
can I go?



# MAPLand Act Intent

Where  
can I go?

How do I  
get there?



# MAPLand Act Intent



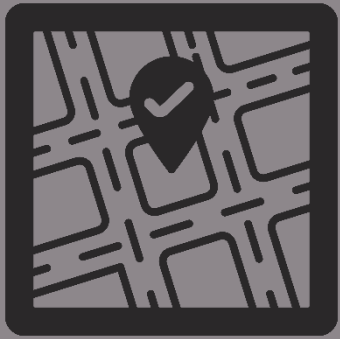
Where  
can I go?

How do I  
get there?

What can  
I do?

# MAPLand Act Data Elements

Where can I go?



Roads and Trails

How do I get there?



Modes of Travel

What can I do?



Hunting and Rec Shooting Closures



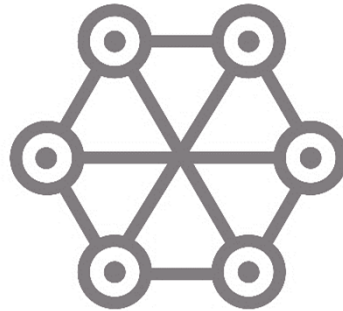
Recreation Sites

# MAPLand Act Task

Enterprise  
Perspective



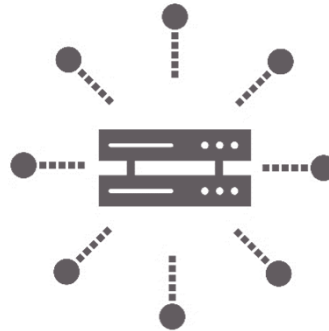
Quality



Integration



Data Standards



Distributed

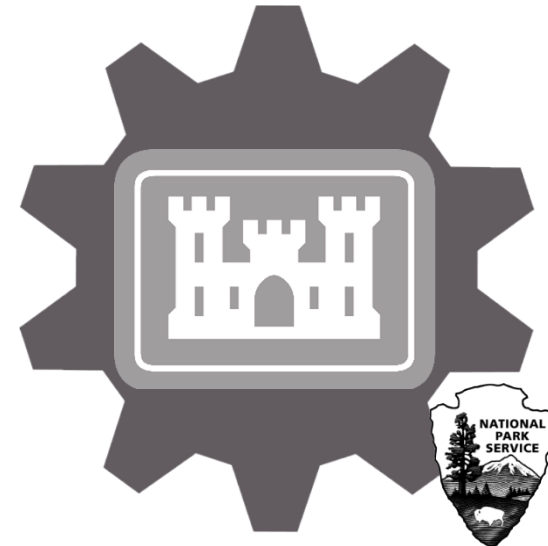


Dissemination

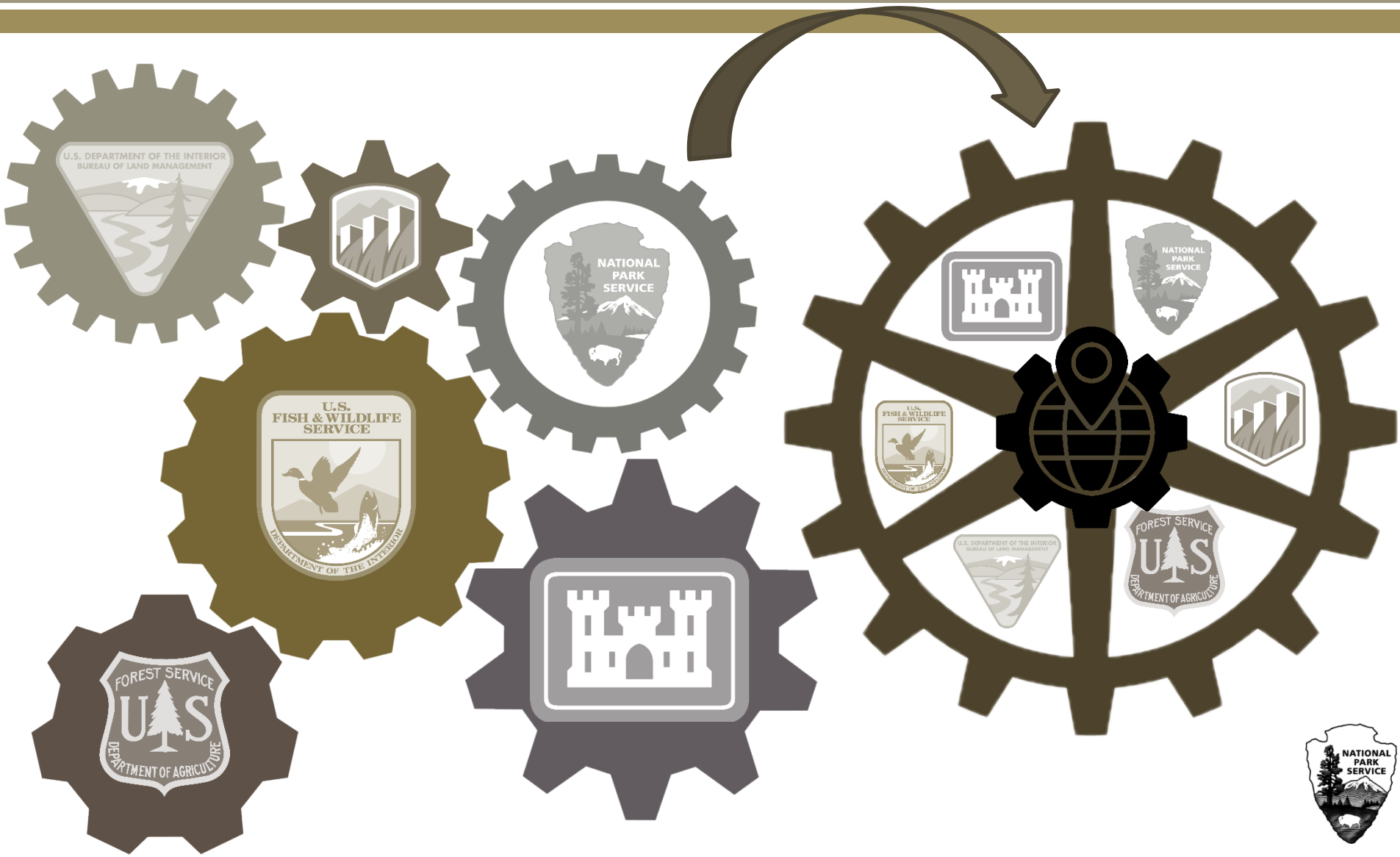




# MAPLand Act Challenge



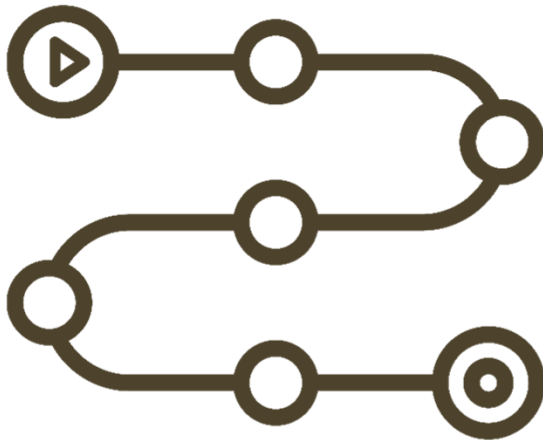
# MAPLand Act Challenge



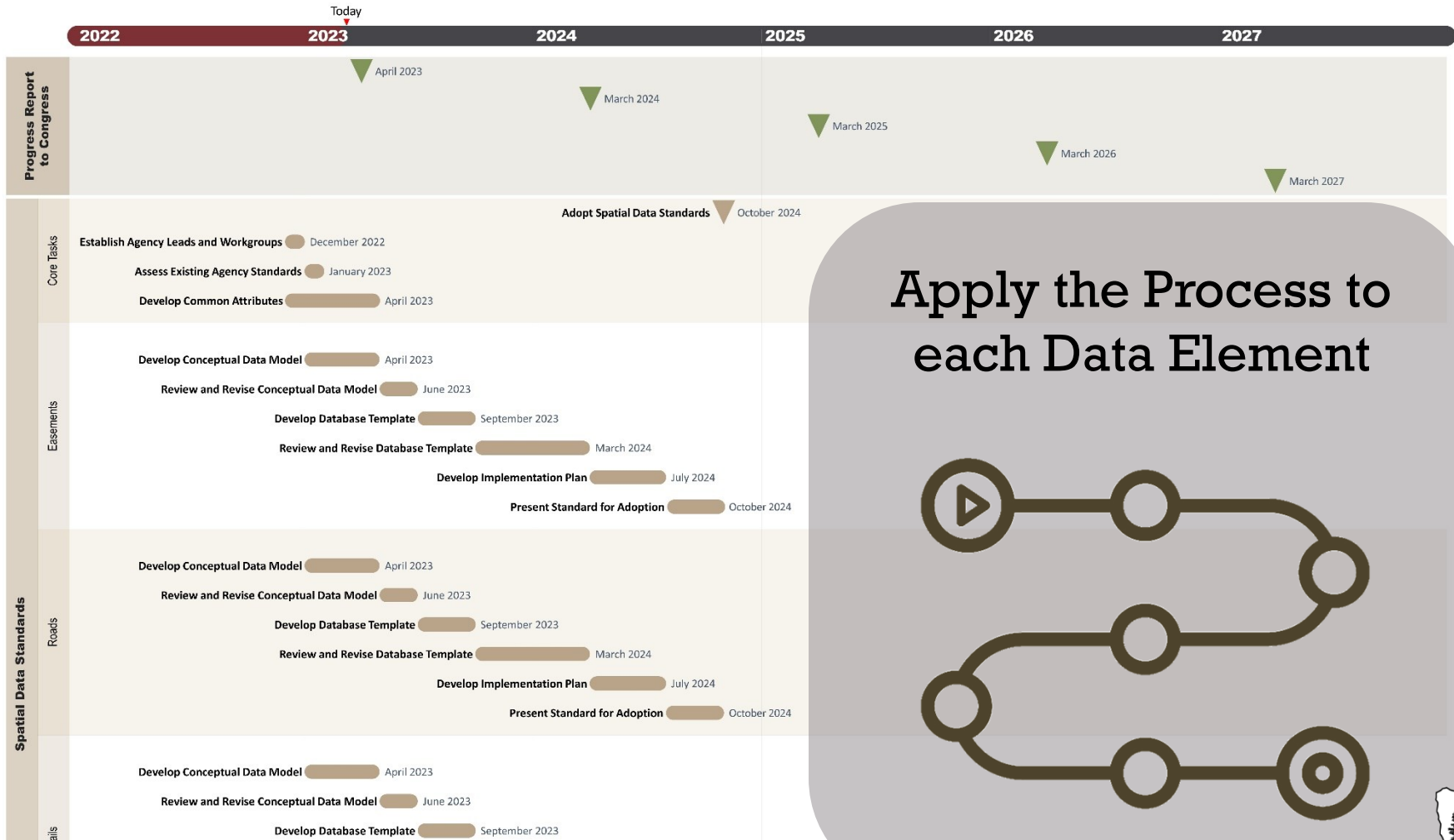
**“I love implementing  
Spatial Data Standards...  
so long as I’m the one who  
developed them.”  
–Angie Southwold**

# Establish the Process

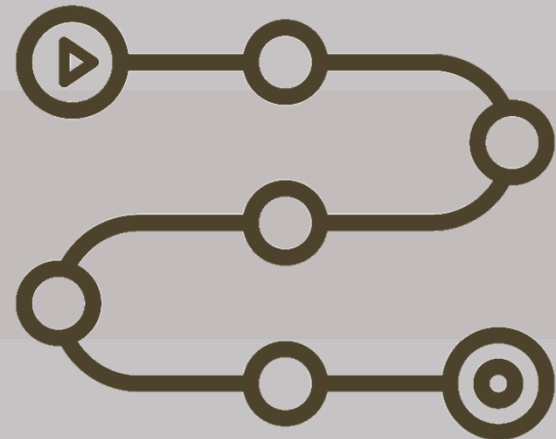
- Emphasizes process over the standard content or style
- Follows the data standard from inception to implementation
- Recommends a timeline that reflects the workload and effort
- Improves support with review periods and deliverables that allow for realistic testing



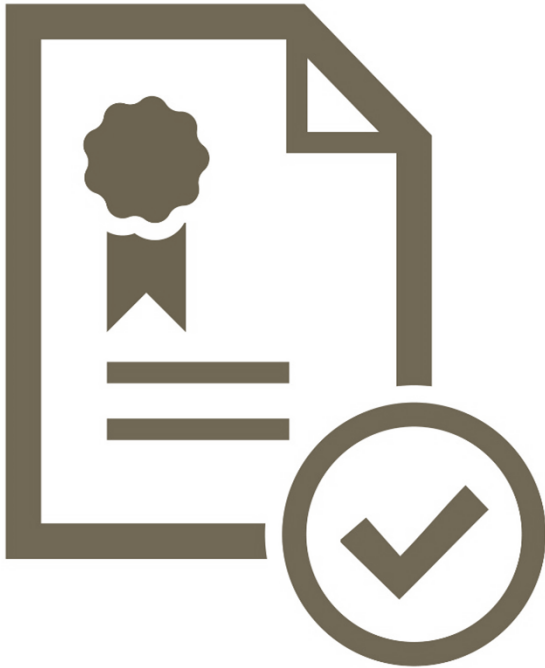
# Establish the Process



Apply the Process to each Data Element



# Establish Core Fields



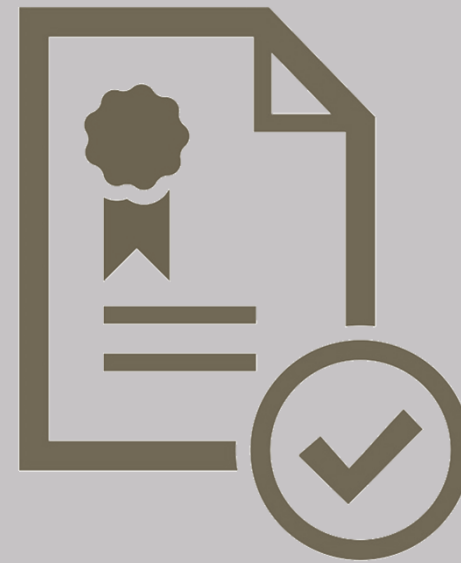
- Designed to facilitate the data standard development process
- Serves as a starting point and minimum requirement
- Provides a structured framework for documenting feature metadata
- Provides consistency across all data elements



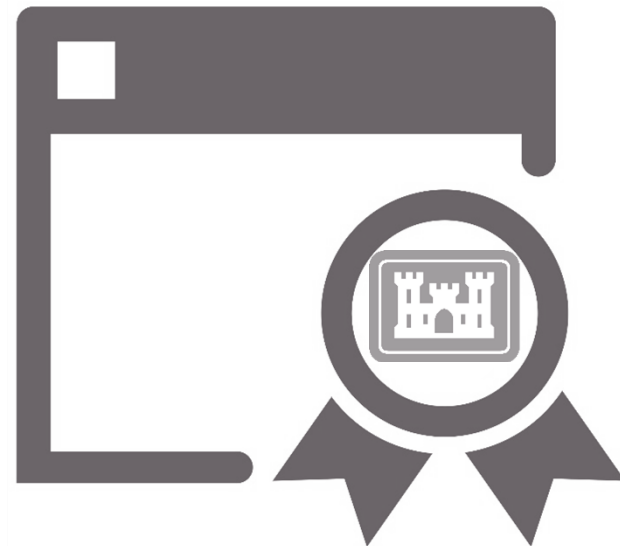
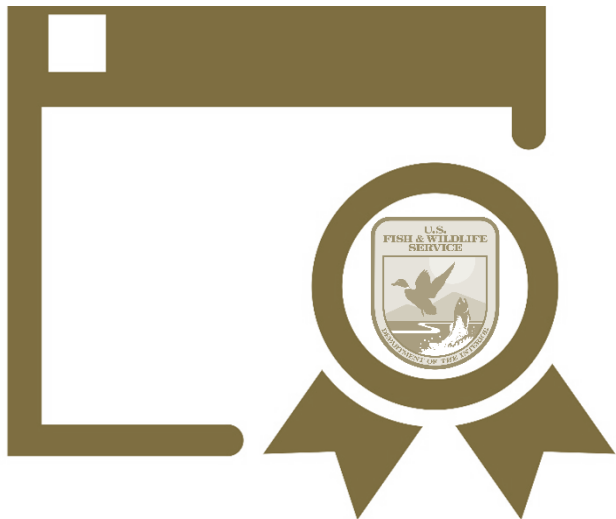
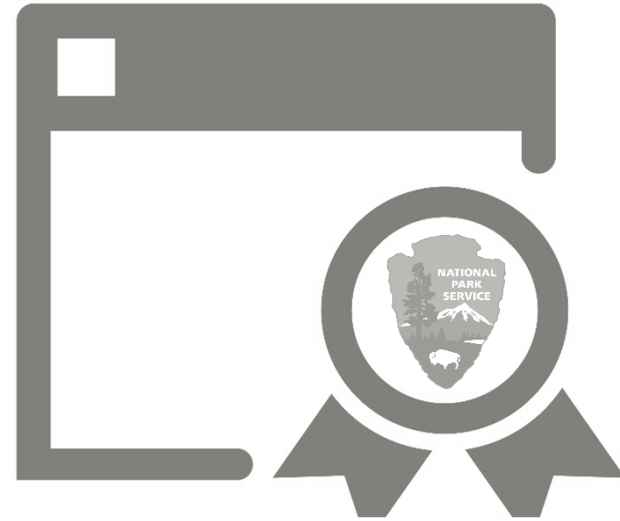
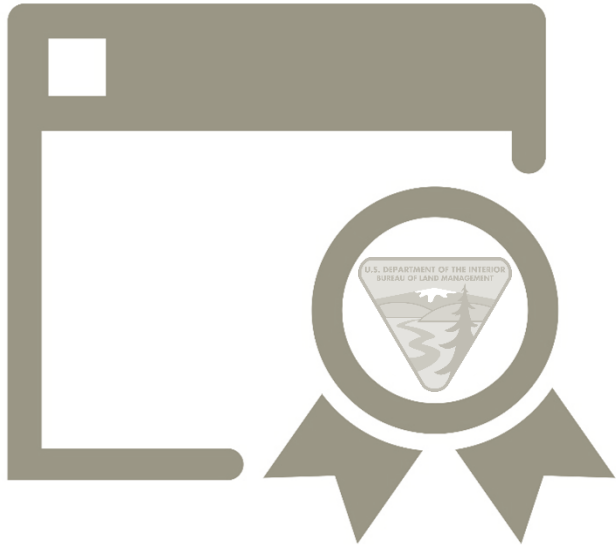
# Establish Core Fields

A	B	C	D	E	F	G	H
Agency >>	MAPLand Field Name	MAPLand Description	DecisionToKeep	Recommend, Required, Optional	Decision Date	Subgroup review	Justification/Notes
1 General Attribution vs generalized field names							
2 Feature Name	NAME	Official name of the feature.  [Free Text]	Yes  include for roads, trails, and recreation.	Required as available.	1/13/2023 Confirmed on 3/27/2023	Yes  Include in: EASEMENTS=Yes HUNTING=Yes	Review in easements and hunting data element subgroups.  This attribute is reserved for the name value only. Other non-name identifiers that should be used for feature identification and labeling will be populated into MAPLABEL.
3 Alternative Name			No	N/A	1/13/2023	Yes  If multiple subgroups determine that this field is needed, we need to establish a consistent attribute name and definition.  Include in: ROADS=Yes TRAILS=Yes EASEMENTS=No HUNTING=No RECREATION=Yes	May not apply across all themes. Review in data element subgroups.
4 Feature Description			No	N/A	1/13/2023	Yes  If multiple subgroups determine that this field is needed, we need to establish a consistent attribute name and definition.  Include in: ROADS=Yes TRAILS=Yes EASEMENTS=No HUNTING=No RECREATION=Yes	May not apply across all themes. Review in data element subgroups.
5 Map Label	MAPLABEL	Text used for labeling purposes where an official feature name does not exist or does not meet the need of a particular cartographic product.  [Free Text]	Yes  include for roads, trails, and recreation.	<b>OPTION 1: Required only if NAME is null or if a preferred value other than NAME should be displayed on a feature label. This will require a map app to use MAPLABEL if a value is provided and otherwise NAME.</b>  <b>OPTION 2: Always required and if the value that should be displayed on a feature label is the NAME, that value is duplicated in both fields. A map app will always use this field for labeling purposes.</b>	1/13/2023 Confirmed on 3/27/2023	Yes  Include in: EASEMENTS=Yes HUNTING=Yes	Review in easements and hunting data element subgroups.
6 Dataset Originator	ORIGINAGENCY	Name of agency providing the feature; where the data originated.  [Domain] Bureau of Land Management; Bureau of Reclamation; National Park Service; U.S. Army Corps of Engineers; U.S. Fish and Wildlife Service; U.S. Forest Service	Yes	Required.  May be calculated during USGS aggregation, if process proceeds.	1/13/2023 Confirmed on 3/27/2023	N/A	
7 Geographic Unit	AGENCYUNIT	Name of the agency unit where the feature is geographically located.  [Structured Text] Value must be the valid full name of a unit/straton without abbreviation or codes. A bureau-level domain may be implemented to ensure integrity.	Yes	Required	1/23/2023 Confirmed on 3/27/2023	N/A	USBR suggests using county and state as Reclamation Regions or Area Office boundaries may not be relevant to the public.

Apply the Core Fields to each Data Element

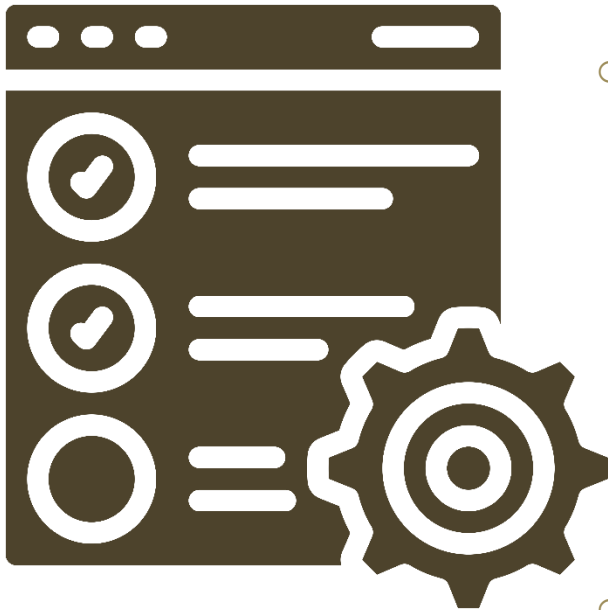


# Collect Agency Standards





# Establish MAPLand Standards



- Include all Core Fields
- Promote fields from Agency Standards that are...
  - Relevant to the Public
  - Common across Agencies
  - Required by the Act
- Distribute Draft for Agency Review



Adjudicate Feedback and Revise

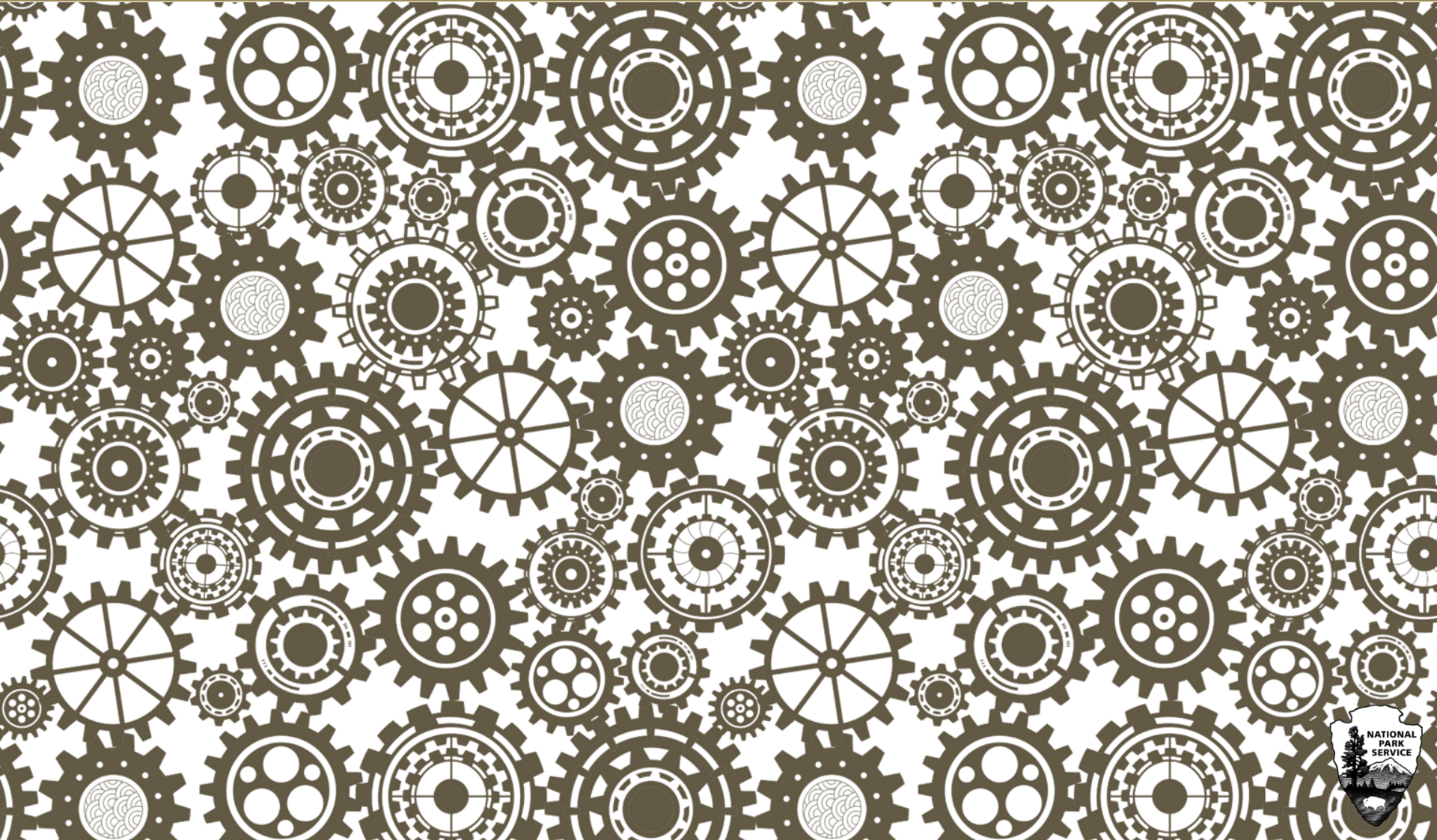


# MAPLand Act Next Steps

Deadline	Task	MAPLand Act
April Annually	<ul style="list-style-type: none"><li>• Submit progress report to Congress</li></ul>	Section 7
October 2024 (30 months)	<ul style="list-style-type: none"><li>• Jointly develop interagency spatial data standards and ensure compatibility among databases for dissemination</li><li>• For Recreation Sites (element #1?) that depict locations where recreation is available to the public (under review by Departments)</li></ul>	Section 3
April 2026 (4 years)	<ul style="list-style-type: none"><li>• Publish Easements and Less-than-fee Interests (element #2) in private land that provide public recreational access to federal land</li></ul>	Section 4
April 2027 (5 years)	<ul style="list-style-type: none"><li>• Publish Roads (element #3) and Trails (element #4) that are open/closed to specific vehicle classes</li><li>• Publish Hunting and Shooting Boundaries (element #5) that are regulated/closed</li></ul>	Section 5



# Alaska Next Steps?



# Questions?

## Contact Me

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Creating a database can be like  
creating a universe, only more complicated.  
At least when the universe was created,  
There was no one around to complain.

-Michael J. Hernandez, Database Design for Mere Mortals

