

UC

Presentation Title

PRESENTER NAMES

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Data, Data, Data

- How are pipeline routes being stored in the new model?
 - Past models, stored pipelines and systems in StationSeries and LineLoop/LineLoopHierarchy tables.
 - UPDM; we have ability to review existing systems hierarchy and make key decisions
- Do you reference historical stationing within your system?
 - Everything can be tied to one continuous pipeline length and re-routes (addition/subtraction of pipe) by simply updating the total M/length value
- Utility Pipeline Data Model (UPDM) can be used for a pure transmission operator, but it really appeals to gas operators.
- Pure transmission operators (gas or liquids) have historically stored their data in our industry standard models, PODS (Relational/Spatial) or APDM. With PODS Next Generation on the horizon and the perceived jump from APDM to UPDM as being a huge project, we've found our pure transmission friends are road-mapping and planning prior to making the move.
- UPDM is the ultimate destination for gas utilities, operators are taking a phased approach and moving over the transmission data now. They are looking towards distribution down the road. Knowing that distribution data will be moved to the schema in the future, we can migrate transmission data now, stand up 10.5 server and ArcGIS environments and utilize the APR extensions.

Licensing and Deployment

- **ArcGIS Pro Location Referencing Extension**

- **Named User License. Use Pro License and the APR License to named user**
- **Single Use License. Provision APR as a single use on the same machine**
- **Adding Extension, user must enter text of Location Referencing Pro**

Software Authorization Wizard

Authorize Software Extensions
Please select an option below.

Options

I do not want to authorize any extensions at this time.

I have authorization number(s) to authorize one or more extensions.

Extensions

Feature	Authorization Number
3D Analyst	
Spatial Analyst	
Network Analyst	
(N/A)	
Data Interoperability	
Geostatistical Analyst	
(N/A)	
(N/A)	
(N/A)	
Workflow Manager	
Data Reviewer	
Location Referencing Pro	

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ArcGIS Pro Single Use License

Name	Version	Expires
Basic	1.4.0.7198	N/A
Standard	1.4.0.7198	N/A
Advanced	1.4.0.7198	Never

Esri Extensions

Name	Licensed	Expires
3D Analyst	No	N/A
ArcGIS Data Reviewer	No	N/A
Data Interoperability	No	N/A
Geostatistical Analyst	No	N/A
Location Referencing	Yes	01/01/01
Network Analyst	No	N/A
Spatial Analyst	No	N/A
StreetMap Premium Asia Pacific	No	N/A
StreetMap Premium Europe	No	N/A
StreetMap Premium Latin America	No	N/A
StreetMap Premium Middle East and Africa	No	N/A
StreetMap Premium North America	No	N/A
Workflow Manager	No	N/A

Licensing and Deployment

- ArcGIS Desktop Location Referencing Extension
 - Adding Extension, user must enter text of Location Referencing Desktop

Software Authorization Wizard

Authorize Software Extensions
Please select an option below.

Options

I do not want to authorize any extensions at this time.

I have authorization number(s) to authorize one or more extensions.

Extensions

Feature	Authorization Number
3D Analyst	
Spatial Analyst	
Network Analyst	
Publisher	
Data Interoperability	
Geostatistical Analyst	
Tracking Analyst	
Schematics	
Full Motion Video	
Workflow Manager	
Data Reviewer	
Location Referencing Desktop	

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Licensing and Deployment

- **ArcGIS Server Location Referencing Extension**
 - Adding Extension, user must enter text of Location Referencing Server

Software Authorization Wizard

Authorize Software Extensions
Please select an option below.

Options

I do not want to authorize any extensions at this time.

I have authorization number(s) to authorize one or more extensions.

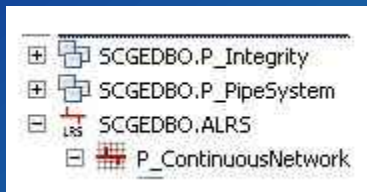
Extensions

Feature	Authorization Number
Network Server	
Data Interoperability Server	
Business Server	
Workflow Manager Server	
Data Reviewer Server	
Production Mapping Server	
Defense Mapping Server	
Maritime Charting Server	
Maritime Bathymetry Server	
Aviation Charting Server	
Aviation Airports Server	
Location Referencing Server	

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Centerline and Data Loading

- All APR tools installed and properly licensed in Desktop, Pro and Server.
- Highly recommended, that you create the APR core outside of the enterprise GDB and migrate it to the destination once its complete.
 - Several “gotcha” situations arose when trying to stand up the LRS networks and events with a fully populated UPDM.
- Create the features/tables/LRS Networks (listed below) externally to the enterprise GDB and migrate them over. By doing so, the features/data that had been previously migrated (outside the core) will assume the LRS Network properties and users can proceed with using the APR applications.



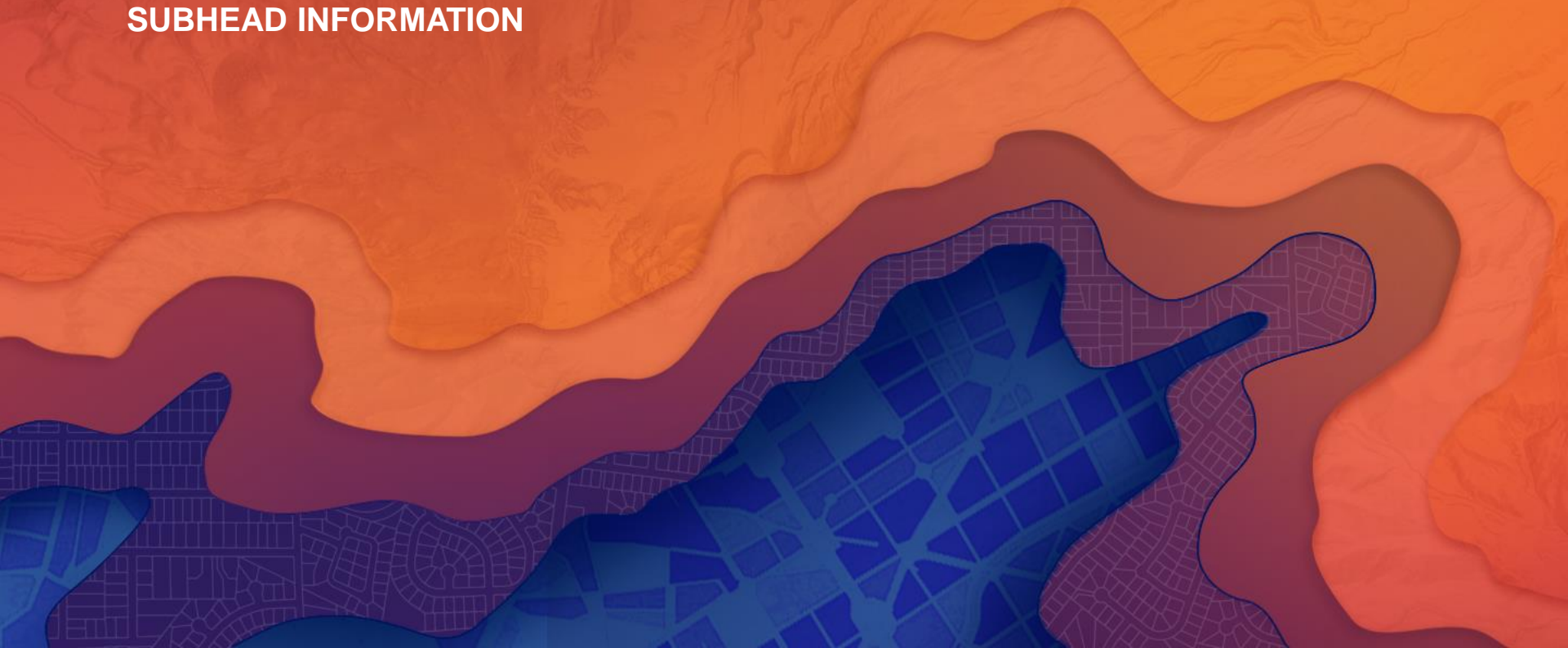
Core Features, Tables and LRS Network

- P_Centerline, P_ContinuousNetwork/P_EngineeringNetwork, P_CalibrationPoint, P_Redline, Centerline_Sequence, LRS Network(s), LRS Events (and the associated LRS tables in the process) are the core LRS Network
- If your organization has the opportunity to start fresh and in an external FGDB, the tools provided within APR will greatly streamline the data loading.
- Not only should you use the tools for creating the LRS Networks, loading routes and calibration, but they are also very easy to use tools for bulk data loading. Try out the handy tool Append Events (Location Referencing) located in ArcGIS Pro to load data to an existing feature class!



Section Header

SUBHEAD INFORMATION





Header for Demo Slide

Supporting Text