

Date:

Participating Members:

Assessment Context:

D-Analyze Data

1-Data Exploration, Reporting and Visualization

D.1.c – Analysis Tools

Element Description Tools supporting productive analysis and reporting practices (e.g. GIS, charting, reporting, dashboards)

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
No tools exist.	Tools for data exploration, reporting, and visualization are available in the agency but they are geared to expert users and requests for reports, dashboards or maps involve a request process with substantial lead time for service.	Limited tools are procured by individual business units that can be used to meet basic reporting and mapping needs. There is no training (or support for training) on proper application of these tools.	A variety of tools for data exploration, reporting, and visualization are available for use, and training is available to ensure that the capabilities of these tools is fully leveraged.	Standard tools for data exploration, reporting, and visualization are available across the agency, and meet the needs of asset management staff. The agency provides training and support for these tools and undertakes periodic improvements / upgrades to ensure they evolve with changing business and technology.
Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>	Current: <input type="checkbox"/> Desired: <input type="checkbox"/>
<input type="checkbox"/> Develop agreements and/or process for use of analysis tools and/or expert analysts in support of priority analysis needs.	<input type="checkbox"/> Implement analysis tools allowing internal asset program staff to meet basic reporting and mapping needs.	<input type="checkbox"/> Transition existing analysis to standard business intelligence/analysis tools.	<input type="checkbox"/> Implement data profiling tools supporting random sampling of large datasets and provide graphical insights into data distributions and outlier values.	
<input type="checkbox"/> Inventory in-house asset management, reporting, business intelligence, dashboarding and other tools useful to asset related analysis.	<input type="checkbox"/> Document simple user instructions for available analysis tools.	<input type="checkbox"/> Develop training materials supporting application of standard tools to individual program analysis, reporting, and mapping needs.	<input type="checkbox"/> Develop detailed training plans for analysis tool uses and applications. Routinely evaluate to ensure alignment with staff needs.	
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	

Assessment Notes:

Improvement Notes:
