

Date:

Participating Members:

Assessment Context:

D-Analyze Data

1-Data Exploration, Reporting and Visualization

D.1.b – Analysis Practices

Element Description Procedures, standard reports, templates, and training to ensure valid and productive analysis of current data.

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
No standard reports or agency reporting procedures have been established.	Limited standard reports are available within the agency's individual asset management systems. Reports are produced on request.	A regular process has been established to produce and make available standard reports.	A regular process of data exploration and analysis has been established to identify patterns in the data, explore hypotheses and derive actionable information. Staff conducting this analysis receive appropriate training in statistics and data analysis techniques.	Based on inputs from data analysts, data and analysis environments are continually improved to enhance the agency's ability to derive valuable insights from data.
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"/> Configure agency asset management systems and tools to provide standard reporting for asset SMEs.	<input type="checkbox"/> Put standard operating procedures in place to develop reporting commonly needed outside the asset area.	<input type="checkbox"/> Integrate data science practices within asset related analysis.	<input type="checkbox"/> Develop a data science program to share and develop techniques to generate quantifiable, data-drive insights among data scientists and analysts.	
<input type="checkbox"/> Identify ad-hoc data exploration, reporting, and visualization practices in use in asset related business.	<input type="checkbox"/> Document and promote useful analysis techniques to deliver on common needs.	<input type="checkbox"/> Document and promote useful techniques to communicate complex asset management analysis results.	<input type="checkbox"/> Develop training plans for data analysis and data science practices 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: