

Date:

Participating Members:

Assessment Context:

A-Specify and Standardize Data
3-Resource Allocation and Prioritization

A.3.b – Analysis Parameters

Element Established analysis parameters (e.g. asset deterioration and treatment benefit models, treatment unit costs, analysis time horizons) supporting
Description resource allocation analysis and decision-making.

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
Analysis is ad-hoc and therefore there is no recognized need for standardizing analysis parameters.	Simple analysis parameters (e.g. unit costs or service life) are standardized to support asset decision-making and resource allocation. These are only useful for general, network-level analysis.	Condition or performance-based analysis parameters (e.g. improvement benefits of various treatment types or asset deterioration models) are standardized to support asset decision-making and resource allocation. These are typically only useful for network-level analysis or rough project-level estimates.	Condition or performance-based analysis parameters are standardized to support asset decision-making and resource allocation. These are useful for both network- and project-level analysis.	Analysis parameters are defined consistently across assets, supporting cross-asset resource allocation analysis.
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"/> Identify base parameters supporting estimation of annual needs (e.g. asset service life, typical treatment unit costs, or annual life-cycle maintenance costs).	<input type="checkbox"/> Expand parameters to support condition or performance based forecasting (e.g. asset deterioration and improvement benefit models).	<input type="checkbox"/> Work with field asset managers to expand analysis parameters to support individual asset level needs assessment and investment optimization.	<input type="checkbox"/> Expand analysis parameters to include asset specific contributions to agency goals or objective areas.	
<input type="checkbox"/> Communicate general expectations for asset-related needs or investment analysis.	<input type="checkbox"/> Document a methodology for asset needs forecasting.	<input type="checkbox"/> Document a methodology for application of network-level analysis for project-level, field decisions.	<input type="checkbox"/> Examine analysis methodologies across different assets and develop a consistent approach to analysis parameter definition (e.g. service life) to enable cross-asset analysis.	
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	

Assessment Notes:

Improvement Notes:

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