

Date:

Participating Members:

Assessment Context:

**B-Collect Data**

**3- Maintenance Information**

**B.3.b – Maintenance Information Automation**

**Element Description** Processes and technologies used to automate collection and processing of maintenance activities, work orders, and work accomplishment data.

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
Pen/paper collection	Stand-alone, standardized electronic forms or spreadsheets are used to facilitate collection. Data are not automatically populated into the source system of record.	Data collection using primarily automated/semi-automated techniques through specialized solutions (e.g. custom applications with GPS location detection voice recognition, bar codes / QR codes).	Data collection using primarily automated / semi-automated techniques with capabilities to efficiently adapt tools to meet varied data collection requirements across multiple data collection business processes or asset types.	Application of state-of-the-art computer vision and change-detection techniques for data extraction and efficient updating.
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"/> Document business cases for automation of work order data collection through internal practice, peer agency, and best practice reviews.	<input type="checkbox"/> Pilot and implement semi-automated field collection tools (e.g. mobile data collection applications) for work order data collection.	<input type="checkbox"/> Pilot and implement field collection tools useful for multiple data collections (e.g. standardized apps or enterprise asset management system tools).	<input type="checkbox"/> Use change detection to automate and/or focus collection of work order and/or maintenance work accomplishment data.	
<input type="checkbox"/> Implement simple solutions to move away from pen & paper collection (e.g. digital forms or spreadsheet tools) for work order data collection.	<input type="checkbox"/> Evaluate opportunities to pre-populate high-level activity or asset information based on work order or contract/task information.	<input type="checkbox"/> Evaluate opportunities to pre-populate detailed asset or work accomplishment data based on work order or contract/task information.	<input type="checkbox"/> Conduct periodic evaluation and pilot testing of cutting-edge data collection applications or capabilities. Implement solutions as appropriate.	
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	

**Assessment Notes:**

**Improvement Notes:**