# FAA Service Life Extension Program (SLEP) Dashboard

The FAA SLEP dashboard consist of two primary components: a Microsoft Excel database for nationwide program status and a local program risk table with categories that span across multiple locations.  Site specific information includes active status, scheduled maintenance dates and current program issues. Risk information also includes cost, score and severity ratings.  Minor modification where made to the data to support automated linking to the visualization and interactive selection with the Web Dashboard.

Developed using Power BI Pro, the system combines the program status and risk information into a common dashboard available via a web link or through the Power BI app on android or iOS devices. The original version included the ESRI Map with a timeline control but was replaced due to compatibility with the open web accessible version of Power BI. A time scale is also included for filtering based on month, quarter or year of scheduled activities.

The system binds the SLEP program information to multiple visualization components including the Map view for geospatial information and a tree map to display selectable program elements.  The elements are color coded to match the pie chart view and linked with selection via point and click (select or deselect the elements) or hover over to access tooltip information.  The table cross links automatically connect the view element Id field and allows for filtering across all visual elements.

Link to the latest SLEP Dashboard:

<https://app.powerbi.com/view?r=eyJrIjoiYjczNTAwMDMtMmI0Zi00NmVkLWExZmMtYmVlYzQyOTU3Njk4IiwidCI6IjljMzU2ZmRkLTNhNDMtNDA2Mi05MDk2LWExNDNmZjY2NDEwMyIsImMiOjF9>

