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**WHAT:** The FAA cannot easily maintain and query JTA data currently stored in Microsoft Excel 2016 workbook files.



**GOALS:** A Microsoft Access database with data validation and a user interface would enable data maintenance (loading and modifying data) and queries (searching the data and generating reports).



**HOW:** Develop a Microsoft Access 2016 database and user interface. The user executes a search by selecting a dataset, providing keywords, and (optionally) selecting filters.

Search **Modify** Load Help Exit Application

**Role:** Tech Ops Common

Files:	Dataset Name	Date	Organization	Notes
	OJT Tech Ops Common	2/27/2018	OJT	OJT Tech Ops
	<b>Tech Ops Common</b>	<b>1/10/2018</b>	<b>Raytheon</b>	<b>Tech Ops Common Original Upload</b>
	Tech Ops Common CAMI	2/14/2018	CAMI	Tech Ops Upload CAMI

**Query:**  Generate Report

Search Filters				Output Filters			
<b>Hierarchy:</b>	<b>Importance:</b>	<b>Frequency:</b>	<b>Delivery Method:</b>	<b>Hierarchy:</b>	<b>Columns:</b>		
<input type="checkbox"/> Select All	<input checked="" type="checkbox"/> Select All	<input checked="" type="checkbox"/> Select All	<input checked="" type="checkbox"/> Select All	<input type="checkbox"/> Select All	<input checked="" type="checkbox"/> Select All		
<input checked="" type="checkbox"/> Activity	<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> Blended	<input checked="" type="checkbox"/> Activity	<u>Task Statement</u>	<u>DIF</u>	<u>Proficiency</u>
<input checked="" type="checkbox"/> Sub-Activity	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> FAC	<input checked="" type="checkbox"/> Sub-Activity	<input checked="" type="checkbox"/> ID	<input checked="" type="checkbox"/> Learn	<input checked="" type="checkbox"/> Knowledge
<input checked="" type="checkbox"/> Task	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> SP	<input checked="" type="checkbox"/> Task	<input checked="" type="checkbox"/> Task Description	<input checked="" type="checkbox"/> Perform	<input checked="" type="checkbox"/> Performance
<input type="checkbox"/> Sub-Task	<input checked="" type="checkbox"/> 4	<input checked="" type="checkbox"/> 4		<input type="checkbox"/> Sub-Task		<input type="checkbox"/> Importance	<input checked="" type="checkbox"/> Initial
<input type="checkbox"/> Step	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 5		<input type="checkbox"/> Step		<input checked="" type="checkbox"/> Frequency	<input checked="" type="checkbox"/> Recommended Format
<input type="checkbox"/> Element				<input type="checkbox"/> Element			<input checked="" type="checkbox"/> Recommended Method
							<input checked="" type="checkbox"/> Knowledge
							<input checked="" type="checkbox"/> Skills

### Exemplar Report

TASK Statement		DIF				Proficiency		Priority Rating		Delivery		KSAs	
ID	Task Description	Learn	Perform	Importance	Frequency	Performance	Knowledge	Initial	Refresher	Recommended Format	Recommended Method	Knowledge	Skills
TA.T162	Maintain the Information Display System 4 (IDS4) Terminal Doppler Weather Radar/Ribbon Display Terminal (TDWR/RBDT) interfaces	3	3	4	4	3-Advanced	C	High	Medium	SOJT	FAC	K1.2 FAA orders/directives (6000.15x, 6030.45x, 6000.30x) K1.3 Reference materials – maintenance alerts K1.4 Reference materials -TechNet K1.5 Reference materials – Notices K1.7 FSEP (Facilities Service Equipment Program) K1.8 FRD (Faculty Reference Data modifications and documentation)	Sk3.2 Climbing Sk3.3 Hand tools/test equipment Sk5.2 Data

- WHY**
- Improve training content by identifying job tasks that are critical to training and performance of ATC and Tech Ops personnel
  - Enhance efficiency by reducing the manual effort to maintain and to query JTA data

**IMPACT:** New and existing JTA data must be stored, maintained, and queried as the job tasks of FAA personnel evolve. A database system will facilitate utilization of these data in the design of training systems, processes, and procedures.