

2025

# Hawai'i Annual Code Challenge (HACC)

<b>Challenge Title</b>	Standardized IT Project Review Web Application
<b>Department / Organization</b>	DAGS - ETS
<b>Subject Matter Contact</b>	Todd Omura
<b>Contact Phone &amp; Email</b>	todd.t.omura@hawaii.gov
<b>The Challenge</b>	
<b>Describe situation to be solved</b>	<p>Develop a web application for managing and displaying project review reports and dashboards – provided by state's Independent Verification and Validation (IV&amp;V) vendors.</p> <p>See detailed requirements below in the Basic Flow section.</p>
<b>Preconditions</b> <i>(How does it work now)</i>	Currently IV&V vendors post monthly reports on active projects at <a href="https://ets.hawaii.gov/report/independent-verification-and-validation-reports/">https://ets.hawaii.gov/report/independent-verification-and-validation-reports/</a>
<b>Assumptions/Issues</b> <i>(list any conditions that could impact the solution)</i>	Ideally, while the application should display the monthly project review reports as a dynamic web page, it would be also good to be able to export each monthly report as a Microsoft Word file or a PDF file.
<b>Current Approach</b> <i>(how is situation currently being handled)</i>	Currently, each vendor uses their own format for the PDF report they submit.
<b>Users</b> <i>(Who would use the application - employees or constituents or both? How many users would there be?)</i>	<ol style="list-style-type: none"><li>1. ETS Employees – 10 users</li><li>2. Representatives of IV&amp;V vendors – 15 – 20 users at any given time</li><li>3. Public as a read-only viewer of reports – scalable to potentially hundreds of simultaneous viewers</li></ol>
<b>Business Rules</b>	All interfaces must be available and accessible via a web browser.

<b>Special Requirements</b>	The solution must conform to the state's digital accessibility standard at <a href="https://ets.hawaii.gov/wp-content/uploads/2025/01/Hawaii-Electronic-Information-Technology-Disability-Access-Standards.pdf">https://ets.hawaii.gov/wp-content/uploads/2025/01/Hawaii-Electronic-Information-Technology-Disability-Access-Standards.pdf</a>
<b>Technical Platforms</b> <i>(in use or desired to be used)</i>	The solution must be easily deployable to any of the major cloud platforms
<b>Data set to be used or collected</b>	Data entered by the state's IV&V vendors
<b>Data set calculations or reporting needs</b>	Monthly IV&V project review reports
<b>Solution Road Map</b>	
<b>Basic Flow</b> <i>(steps of user action/system response)</i>	<p>REQUIREMENTS:</p> <ul style="list-style-type: none"> <li>• This application must allow ETS employees to create, edit, and if necessary, delete those State of Hawai'i information technology projects selected to have a separate IV&amp;V vendor contract.</li> <li>• The application must allow representatives of IV&amp;V vendors to add, modify, and submit monthly (or any desired frequency) project review reports on the state's large IT projects.</li> <li>• Project review reports must have the following component features: <ul style="list-style-type: none"> <li>○ <b>Issues Raised</b> <ul style="list-style-type: none"> <li>▪ Keep a list of all issues raised for a specific project by the IV&amp;V vendor. For each issue, provide at least the following: <ul style="list-style-type: none"> <li>• Description of the issue/risk</li> <li>• Impact (High, Medium, Low) <ul style="list-style-type: none"> <li>○ What is the impact of the issue on the likely success of the entire project?</li> </ul> </li> <li>• Likelihood (High, Medium, Low) <ul style="list-style-type: none"> <li>○ What is the likelihood of the issue impacting the success of the entire project?</li> </ul> </li> <li>• Calculated risk rating based on Impact and Likelihood <ul style="list-style-type: none"> <li>○ On a scale from 2 to 6 (Low=1, Medium=2, High=3)</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Date first raised <ul style="list-style-type: none"> <li>○ How long the issue has been tracked (age)</li> </ul> </li> <li>• Vendor recommendation to remedy the issue</li> <li>• Current status of the issue <ul style="list-style-type: none"> <li>○ Open, Closed</li> </ul> </li> <li>○ <b>Schedule Status</b> <ul style="list-style-type: none"> <li>▪ Show <b>Baseline schedule</b> vs. <b>Current schedule</b>.using a timeline graph</li> </ul> </li> <li>○ <b>Financials</b> <ul style="list-style-type: none"> <li>▪ Show <b>Original contract award</b> amount.</li> <li>▪ Show <b>Total paid out so far</b>.</li> </ul> </li> <li>○ <b>Scope Status</b> <ul style="list-style-type: none"> <li>▪ Track <b>Scope completion</b> separately from schedule completion.</li> <li>▪ Example: Deliverables/features completed vs. total committed.</li> </ul> </li> </ul>
<b>Goal of Solution</b>	To provide easy-to-read standard project reviews on the state's large IT projects to the public
<b>Business Value</b> <i>(potential financial or time savings)</i>	<ul style="list-style-type: none"> <li>• Standardized reports will enable the public compare and contrast the current status of the state's large IT projects</li> <li>• Project review workflow between Departments, ETS, System Implementation Vendors and, and IV&amp;V vendors will be improved</li> </ul>
<b>Success Scenario</b> <i>(how you know a solution is working)</i>	Customer satisfaction by the reviewing public will improve
<b>To be completed by the HACC Planning Committee</b>	
<b>Community/Industry Data Available</b>	
<b>Potential Community/Industry Co-Sponsors</b>	