



Cybersecurity Decision Support Tool

ICF offers an interactive tool that gives chief information officers (CIOs) a visual interface to the vast data that inform cybersecurity budget decisions. CIOs can enter the decision space with evidence from which to make intelligent choices. They can predict how changes in risk tolerance have an impact on the overall budget. They also can identify areas of spending on low impact risks that can be redirected to address higher likelihood threats.

The ICF tool shows the implications of changes to budgeting for cybersecurity projects. IT decision makers can view not only current budget variables in a tangible way but also their history of residual risk. Together with our expertise, ICF makes the decision process more intelligent and helps capture the evidence behind the decisions informing strategic direction.

Custom Tableau Interface to Wade Through Volumes of Data

The ICF decision support tool runs on Tableau, a data analytics tool that helps our clients visualize and engage with large, complex data sets. It translates an enormous amount of data—like the seemingly endless stacks of cybersecurity standards and best practices—into an easy-to-interpret picture of the situation. Our experts use this tool to enable IT decision makers to connect easily with the data and see the implications of changes to variables that affect risk. As variables change, the tool input must be updated.

Federal Information Technology Acquisition Reform Act

The Federal Information Technology Acquisition Reform Act requires CIOs to play a significant role in information technology decisions. All IT decision makers will have increased responsibilities to review and provide oversight function and direction on planning, programming, budgeting, execution, reporting, management, and governance. These increased responsibilities can be facilitated with easy-to-interpret access to the larger governance, risk, and compliance landscape.

ICF Cybersecurity Consulting Services and Tools

Our clients benefit from our expertise in security program development. They can combine our decision support tool, which facilitates budget planning, with our security management automation tool to set a strategic direction for security programs and to monitor the alignment of cybersecurity priorities. Check out the back of this page for a practical implementation of our cybersecurity decision support tool.

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Do you have half the budget and twice the IT projects? Far too often CIOs find themselves with the need adjust their goals to changes in budget or strategic direction. For this example, we will start with a budget that needs to be slimmed by \$30 million.

EXPLORE. Try out different approaches to risk tolerance. Remove low likelihood items and items with low impact. Include items that align with your goals.



INTERACT. Examine the impact on your changes by reviewing the entire list or drilling down through each item.

The screenshot displays the 'Security Control Implementation List' interface. It features a table with the following columns: Security Control Family, Control Name, and Cost. A tooltip for 'ACCESS CONTROL FOR MOBILE DEVICES' shows a cost of 1,000,000 and options to 'Keep Only' or 'Exclude'. The table lists various controls across different security control families, such as 'ACCESS CONTROL', 'ACCOUNTABILITY, AUDIT, AND RISK MANAGEMENT', 'AUDIT AND ACCOUNTABILITY', 'CONFIGURATION MANAGEMENT', 'CONTINGENCY PLANNING', 'DATA MINIMIZATION AND RETENTION', 'IDENTIFICATION AND AUTHENTICATION', 'INCIDENT RESPONSE', and 'INDIVIDUAL PARTICIPATION AND REDRESS'.

Security Control Family	Control Name	Cost
ACCESS CONTROL	ACCESS CONTROL POLICY AND PROCEDURES	100,000
	INFORMATION FLOW ENFORCEMENT	125,000
	PERMITTED ACTIONS WITHOUT IDENTIFICATION OR AUTHENTICATION	100,000
ACCOUNTABILITY, AUDIT, AND RISK MANAGEMENT	PRIVACY IMPACT AND RISK ASSESSMENT	140,000
	PRIVACY REPORTING	125,000
	PRIVACY REQUIREMENTS FOR CONTRACTORS AND SERVICE PROVIDERS	100,000
AUDIT AND ACCOUNTABILITY	AUDIT AND ACCOUNTABILITY POLICY AND PROCEDURES	100,000
	AUDIT STORAGE CAPACITY	160,000
CONFIGURATION MANAGEMENT	LEAST FUNCTIONALITY	160,000
CONTINGENCY PLANNING	ALTERNATE STORAGE SITE	1,000,000
	CONTINGENCY PLAN TESTING	100,000
	CONTINGENCY TRAINING	140,000
	TELECOMMUNICATIONS SERVICES	125,000
DATA MINIMIZATION AND RETENTION	MINIMIZATION OF PII USED IN TESTING, TRAINING, AND RESEARCH	100,000
IDENTIFICATION AND AUTHENTICATION	DEVICE IDENTIFICATION AND AUTHENTICATION	160,000
INCIDENT RESPONSE	INCIDENT RESPONSE TRAINING	125,000
INDIVIDUAL PARTICIPATION AND REDRESS	COMPLAINT MANAGEMENT	1,000,000
	INDIVIDUAL ACCESS	140,000

DECIDE. Now that you have experimented with changes to your program and budget, use the tool to communicate your selection list.

About ICF International

ICF International (NASDAQ:ICFI) provides professional services and technology solutions that deliver beneficial impact in areas critical to the world's future. ICF is fluent in the language of change, whether driven by markets, technology, or policy. Since 1969, we have combined a passion for our work with deep industry expertise to tackle our clients' most important challenges. We partner with clients around the globe—advising, executing, innovating—to help them define and achieve success. Our more than 5,000 employees serve government and commercial clients from more than 70 offices worldwide. ICF's website is www.icfi.com.

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