FOCIS Helps Nations Improve Management of Their Defense Sectors
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In 2006, IDA researchers developed a relational database called the Force Oriented Cost Information System (FOCIS). FOCIS is part of a long-term IDA project to develop analytic techniques that help defense sector leaders understand how capabilities and costs interact with one another. Using FOCIS, IDA project teams have helped decision makers in many foreign defense institutions formulate affordable multi-year defense plans.

**FOCIS is used to develop, assess, monitor, and evaluate multi-year defense program plans.** The foundation of FOCIS is a unit-level force structure database that can model alternative force structures based on defense policy decisions or strategies. FOCIS’s suite of analysis tools allows users to evaluate the cost and capability of any future force plan. Case studies from Colombia, Philippines, Botswana, and Kosovo show how FOCIS improves defense sector management, leading to an increase in the sustainable capability of the force structure.

**FOCIS empowers users to produce a defense program budget that provides for a capable and affordable force structure that supports defense policy objectives within budget limits.** Ideally, defense planning and programming processes produce a program budget that provides a force structure able to achieve defense policy objectives within defense budget limits. Military units are the building blocks of a capable force. To be capable, units rely on budget plans that pay for personnel, equipment, and other resources that contribute to capability. Therefore, in order to produce a capable and affordable force, units’ resource inputs need to be balanced. However, it is difficult to relate budget inputs to capability outputs. FOCIS allows defense planners to relate a force structure and associated elements to cost at the unit level. This allows planners to analyze trade-offs between capabilities and cost, simultaneously compare multiple options to develop their force structure, and analyze whether a proposed force structure will produce an affordable, capable force.