

Quad Chart – To send to the panel and to the faculty

Project Overview <ul style="list-style-type: none">• Several bullets describing what you did• List of team members and their candidate degrees (e.g., John Smith MSSE 2015)	Work Accomplished <ul style="list-style-type: none">• Analysis approach or engineering methodology used• Sponsor engagement strategy• Verification and validation approach
Problem Statement <ul style="list-style-type: none">• What problem are you solving, who is the sponsor, what is the work products	Impact <ul style="list-style-type: none">• Measurable impact, e.g., new capabilities delivered

Center for Army Analysis (CAA)

Economic Impact Tool (EIT) Quad Chart

<p>Project Overview</p> <ul style="list-style-type: none"> Conducted a literature review on previous economic impact tools, and compiled a list of potential economic impact factors Discovered authoritative databases containing data relevant to the chosen factors Collected and scrubbed all required data Determined relationships between economic impact factors and economic impact Developed a tool that will predict the economic impact of realigning or closing an installation on the surrounding community using the designated factors <p>Team members</p> <ul style="list-style-type: none"> Sarah Harrop, MSOR 2015 Emily Foglia, MSOR 2015 Christie Quaranta, MSOR 2015 	<p>Work Accomplished</p> <ul style="list-style-type: none"> Utilized economic base analysis to determine which industries in each region were basic vs non-basic and ultimately calculate a basic multiplier to determine indirect job losses Engaged sponsor throughout entire process <ul style="list-style-type: none"> Weekly status meetings monthly update briefs Methodology and tool have been validated Manually calculated scenarios to ensure tool produces correct results Compared EIT multipliers to those utilized in BRAC05 stationing analysis Ran 182 BRAC scenarios through EIT and compared results from BRAC05 report to those generated by the EIT Utilized Army, stationing analysis, economics, and operations research SMEs
<p>Problem Statement</p> <ul style="list-style-type: none"> Develop an economic impact tool (EIT) that will capture the impact of realigning or closing Army installations on the surrounding community <ul style="list-style-type: none"> Take into account relevant factors to estimate the impact on a local community due to a stationing action Consider differences due to the location of the installation and the economics of the installation's surrounding communities Provide an updated economic impact analysis methodology to estimate the economic impact of stationing actions on the surrounding community Sponsor: Center for Army Analysis (CAA) Work Products: An EIT with user guide, manual, and full documentation 	<p>Impact</p> <ul style="list-style-type: none"> Delivering a completed EIT to the Center for Army Analysis (CAA) for use in future stationing actions EIT is an updated, robust, validated tool that includes more measures for economic impact than previous tools, with updated data Reports job losses and associated income loss with a 90 percent confidence level Tool is Army-owned and utilizes authoritative databases Tool can be used in day-to-day stationing decisions as well as future strategic stationing actions.