

Modeling the Efficiency of the Special Forces Pipeline

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Abstract: The U.S. Army John F. Kennedy Special Warfare Center and School (USAJFKSWCS) is charged with assessing, selecting, and training the U.S. Army's Special Forces. From selection to graduation, candidates undergo between 53 and 95 weeks of challenging training and evaluation. It is crucial USAJFKSWCS maximizes the efficiency and throughput of their Special Forces (SF) Pipeline so the Army Special Forces can meet its operational requirements globally. Working with USAJFKSWCS, the Capstone Team analyzed available data to identify current trends and performance throughout the Pipeline. The Team then developed a simulation model of the SF Pipeline and conducted experiments to improve overall efficiency. This data and simulation analysis will inform USAJFKSWCS in developing effective changes that improve its SF Pipeline efficiency.

Keywords: USAJFKSWCS, Modeling, Simulation, Virtual Testing