

System Description

System		Threat
Training Squadron with 3 SLEP Courses of Action	No SLEP	Delayed replacement aircraft
	Small SLEP	
	Large SLEP	Surge in graduate demand

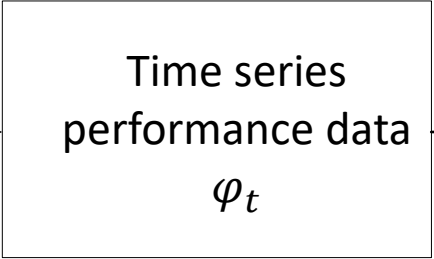
System Data/Model

	Commanding Officer	Program Manager
Functional Outputs	Graduates / Quarter	Graduates / Quarter
	Satisfaction / Quarter	Satisfaction / Quarter
		Aircraft / Day

Stakeholder Preferences

Stakeholder	Quarterly Graduates		Satisfaction Quarterly	Ready Aircraft Daily	Time Horizon t_h Years	Int. Sub. χ_t
	Normal	Surge				
Squadron CO	65	90	85%	NA	3	0, 1, χ_t
Program Manager	65	90	85%	85%	15-35	0, 1, χ_t

Functional Output Data



Resilience Model

$$R = \frac{M_{\chi} \Delta T_i + F_{\chi} \Delta T_f + R_{\chi} \Delta T_r + H_{\chi} \Delta T_h}{\Delta T_i + \Delta T_f + \Delta T_r + \Delta T_h}$$

Resilience Measurements