

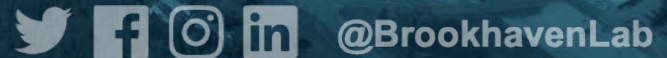


TAKE FIVE for Safety- Dynamic System Model

Frank Craner

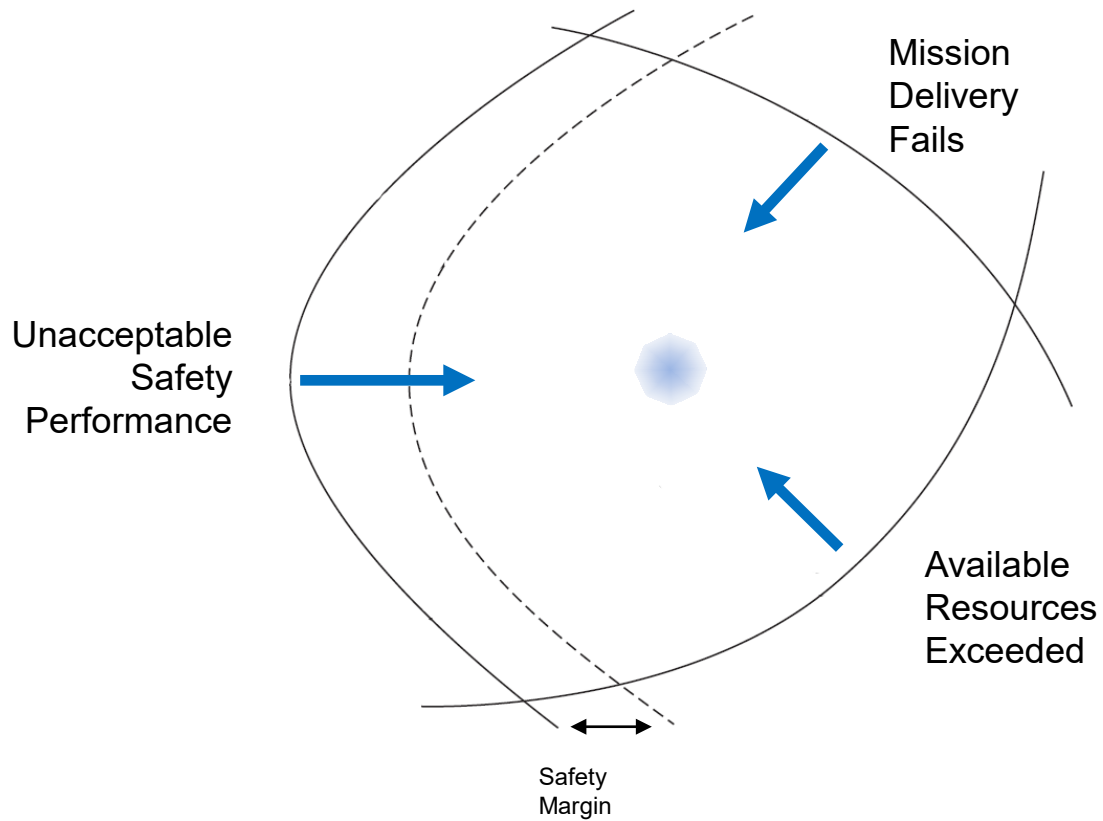
Dynamic System Model Slides courtesy of W. Brown of PPQM

May 28, 2024



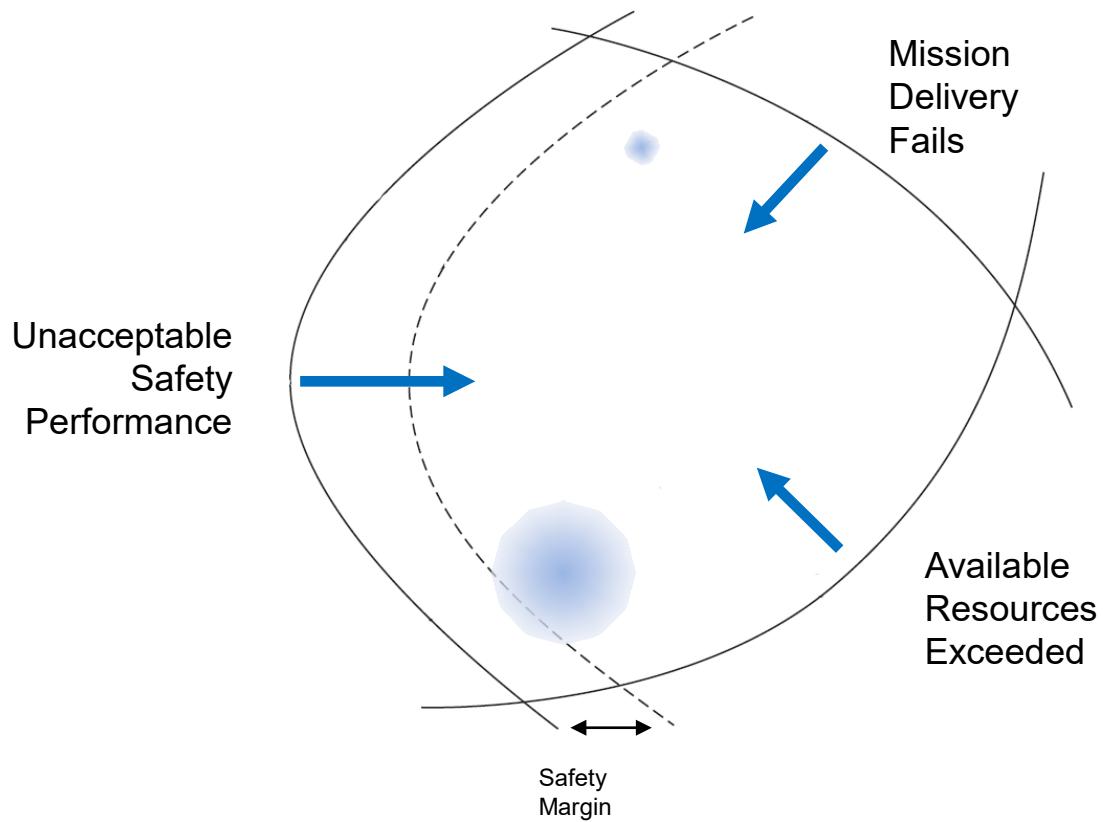
Dynamic System Model

Rasmussen (1997); (Cook & Rasmussen 2005)



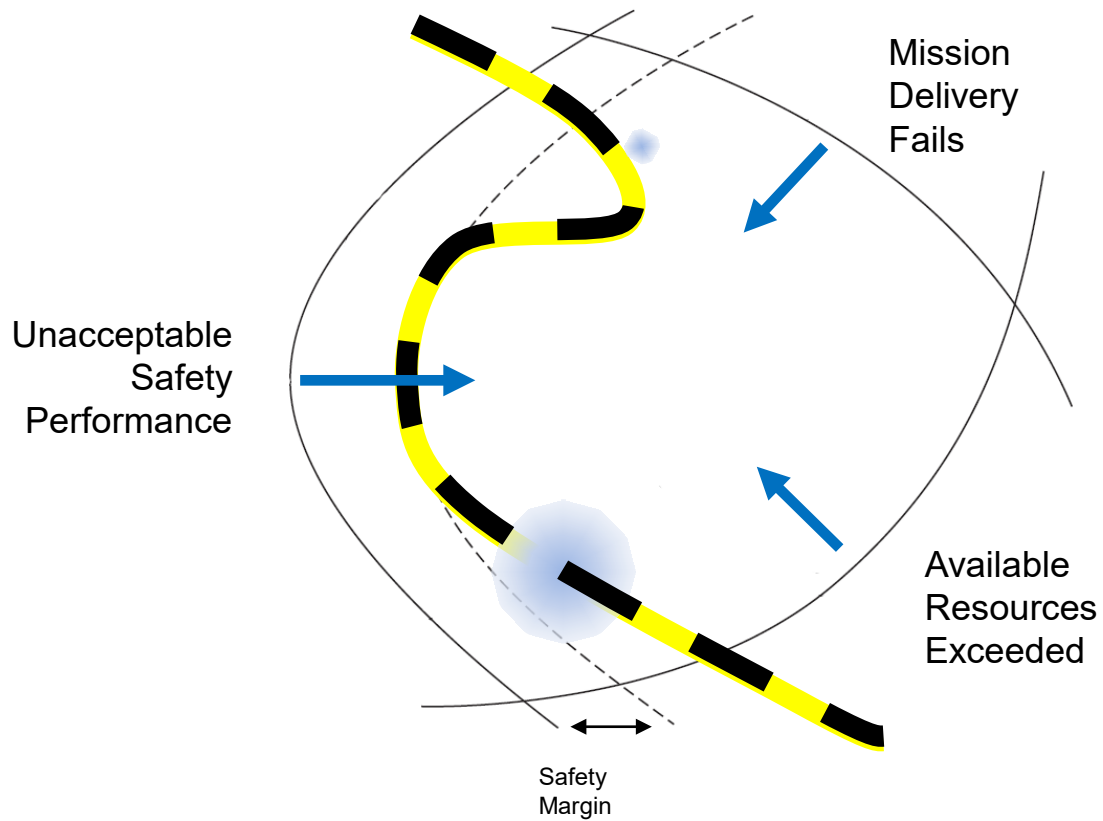
Dynamic System Model

Rasmussen (1997); (Cook & Rasmussen 2005)



Dynamic System Model

Rasmussen (1997); (Cook & Rasmussen 2005)



Points to be Considered

- Mission/Resources/Safety Model
 - Mission Success is an “Acute” Motivator
 - Safety Margin represents a Requirement
 - Changing work conditions cause a shift in the operating point
 - Performance in these 3 dimensions is interrelated.
 - Evaluation of Performance is not self-determined.
- C-AD Goal is zero ORPS events, and as close as possible to zero SCBNL events – independent of the size of the organization.
- Perceived delay in delivering the program to do the work planning and execution should not be viewed as delays in the first place – doing this correctly must supersede any consideration for speed.