

**Trade-Off Analysis**  
**(System Safety Considerations)**  
**Similar Options A, B, and C**

Similar Trade Options	Evaluation Factors	Risk Attributes Under Evaluation										Total Risk Score
		Estimated High Risks to Mitigate	Estimated Complexity to Mitigate Risks  (Reaching successful mitigation)	Estimated Cost of Mitigation  (Cost is expected to be reasonable)	Estimated Benefits Gained in Safety	Estimated Complexity of Recovery  (Not complex)	Estimated Degree of Risk Detection	Estimated Degree of Knowledge Concerning Risk	Estimated Degree of Knowledge of Science to Mitigate Risks	Estimated Degree of Knowledge of Science Associated with System	Estimated Degree of Knowledge of Loss History Associated with Risks	
Option A	Cell-index Factor	3	2	4	2	3	4	5	4	3	3	228
	(Cell-index Factor)(Weight) = Product Score	(3)(10) = 30	(2)(10) = 20	(4)(8) = 32	(2)(6) = 12	(3)(7) = 21	(4)(6) = 24	(5)(5) = 25	(4)(7) = 28	(3)(6) = 18	(3)(6) = 18	
Option B	Cell-index Factor	1	4	3	4	2	4	5	4	4	5	252
	(Cell-index Factor)(Weight) = Product Score	(1)(10) = 10	(4)(10) = 40	(3)(4) = 12	(4)(9) = 36	(2)(4) = 8	(4)(7) = 28	(5)(8) = 40	(4)(5) = 20	(4)(7) = 28	(5)(6) = 30	
Option C	Cell-index Factor	4	5	4	5	4	3	2	1	3	2	237
	(Cell-index Factor)(Weight) = Product Score	(4)(10) = 40	(5)(10) = 50	(4)(7) = 28	(5)(10) = 50	(4)(6) = 24	(3)(4) = 12	(2)(5) = 10	(1)(3) = 3	(3)(4) = 12	(2)(4) = 8	

**Evaluation Factors Key:**

Cell-index Factor	Weighting Factor
1 = Unfavorable	1 = Low Weight
2 = Slightly Unfavorable	10 = High Weight
3 = Neutral	
4 = Favorable	
5 = Very Favorable	