

Runway Safety Checklist - Weighting Matrix

Domain (Weighting)	Explanation	Notes	Minimal (1-5)	Small (6-10)	Medium (11-15)	Large (16-20)
Safety Benefit (10)	Safety benefit of Element includes scope for reduction of likelihood and/ or consequence of outcome.	Ultimately applies to aircrew and passengers from a safety perspective.	Safety benefit is Minimal. Minimal increase in safety margins.	Safety benefit is Small Small increase in safety margins.	Safety benefit is Significant Significant increase in safety margins.	Safety benefit is Large Large increase in safety margins.
Complexity (6)	Procedural and Technological complexity, maturity of solution, degree of development involved, implementation difficulty, clarity of requirements.	This item may change throughout the life of the project.	Minimal development. Well known and understood approach, predominantly 'off-the-shelf' solution. Simple implementation.	Some minor development. High confidence in outcome, predominantly 'off-the-shelf' solution perhaps with some integration. Simple implementation.	Significant development in familiar territory or some development in unfamiliar territory. May have complex requirements for which there is high confidence in the solution. Straightforward implementation at a few sites.	Complex development or significant development in unfamiliar environments. Complex requirements and/or multiple interfaces. May involve evolutionary requirements. Difficult implementation at multiple sites.
Stakeholder Impact (8)	Impact of solution (Internal & external), workload impacts, involvement required, sensitivity, training impact.	Contributes to reputation risk, stakeholders include airlines, airports, pilots, passengers, internal users, politicians, lobby groups, support providers.	Stakeholders largely internal or well known. Positive and low impact. Simple training requirements.	Stakeholder may include a mix of internal and external. Impacts may be varied but not highly negative. Multiple stakeholders may require training.	Significant positive and negative impacts. Multiple stakeholder groups with conflicting interests and complex training requirements.	Complex stakeholder mix with major potential conflict. Known resistance. Potential to embarrass organisation or Minister. Complex training requirements that may affect operational capability.
Financial Impact (9)	Estimated cost of implementation of Element for agency	Includes all costs associated with implementation for agency	< \$100k	\$100k to \$1m	\$1m to \$5m	> \$5m
Dependencies (4)	Degree of dependency of this change on others, and other changes on this.	This item may change throughout the life of the project.	Largely a stand-alone activity. No, or minimal, reliance or impact on other changes or requirements.	Requirement may directly link to another change or requirement. Simple, low-impact relationships.	Linkages or interfaces with other changes or requirements. These may be complex and significant potential impact.	Critical, high-impact or high priority linkages or interfaces to other changes or requirements.