Risk-First Interference Checklist

Area	Concern	Notes	Point Value
Communication Risks			
- Channel Risk	Requires input from other team members		
	Requires input from other teams		
	Requires input from other departments		
	Input required, not clear from who, but further up the hierarchy		
- Protocol RIsk	Requires agreement on a protocol / data format with another team		
	Requires regular meetings		
- Learning Curve Risk	Requires learning an unfamiliar technology / standard		
	Untrained staff involved in the delivery		
- Invisibility Risk	Specifications not available		
	Reverse-Engineering Required		
- Internal Model Risk	Involves reconciliation with another data source		
	Involves real-time data synchronisation		
- Map And Territory Risk	Use of metrics		
	Use of bonuses		
	Competing targets / KPIs		
Coordination Risk	Task will require an approval from someone outside the team		
	Task requires sign-off from a committee/board		
	Requires other tasks to be completed		
	Work must be coordinated amongst multiple stakeholders		
	Approvals are required from multiple stakeholders		
	Different timezones involved		
	Data must be synchronised across different machines		
	Developers will be required to work together		
	Teams are required to work together		
Complexity Risks			
- Codebase Risk	Involves refactoring		
	Introduces new languages / DSLs		
	Requires adding significant code		
	Can’t be easily unit-tested		
	Requires manual testing		
	Requires deleting significant code		
	Creates new repos		
- Dead-End Risk	Involves experimentation about best approach		
	No prior work exists in this area		
	Significant algorithmic innovation is required		
- Boundary Risks	Ecosystem choice		
	Platform choice		
	App stores		
	Language choice		
	Market choice		
Feature Risks			
- Conceptual Integrity Risk	Requires new interface to be added		
	Requires refactoring of existing interfaces		
	Deprecates existing functionality		
	Requested by multiple stakeholders		
- Regression Risk	Changes existing functionality		
- Feature Access Risk	Interface Experimentation required		
	Varied user population		
	Accessibility requirements		
	Localisation Requirements		
- Implementation Risk	Developer unfamiliar with the requirements / system		
	Known corner-cases		
	Home-grown protocols vs. standards		
- Feature Fit Risk	Success criteria hard to define		
	Difficult-to-access user base		
- Market Risk	Rapidly changing market		
	Market needs are not clear		
	Market itself is uncertain		
	Product needs to find it’s market		
Agency Risk / Trust Risk / Security Risk	3rd Party involved		
	Competitor involvement		
	General public involved		
	Available on the open internet		
	Requires authentication / authorisation schemes		
	Requires cryptography		
	Involves crowdsourcing		
	Involves untrusted data-sources		
	Involves multiple processes / threads cooperating		
	Involves payments		
	Involves security infrastructure: firewalls, proxies, VPN etc.		
Dependency Risks			
- Software Dependency Risk	Requires the introduction of a new dependency		
	… which is immature		
	… which must be chosen from competing alternatives		
	… which is Open-Source		
	… which is In-House		
	… which is Commercial		
- Scarcity Risk	Requires booking time with a 3rd party		
	Requires specific licenses / approvals		
- Funding Risk	Requires payment by a customer for completed work		
	Requires agreement on pricing / budget		
- Staff Risk	Requires involvement from other members of staff		
	Requires hiring-in new specialist skills		
	Has dependency on key-persons		
- Red Queen Risk	Dependency on rapidly changing/unpublished standards		
	Dependency on rapidly evolving 3rd party code		
- Schedule Risk	Task is repetitive		
	Task takes a long time		
	Task is unusually tedious		
- Reliability Risk	Has strict reliability / response time requirements		
	Has unusual hosting requirements		
	Unfamiliar hardware involved		
- Process Risk	Unfamiliar process for releasing		
	New CI Steps Needed		
	Unfamiliar approvals required		
- Deadline Risk	Has components that must be completed during certain time windows (e.g. weekends)		
	Has components that must be completed before drop-dead dates		
Operational Risk	Requires new or extra production support		
	Requires special roll-out		
	Legal Requirements		
	Regulatory Requirements		