



## LIKELIHOOD RATING

5	Very High	Occurrence is almost certain, and may not be controlled by following existing processes, procedures, and plans
4	High	Occurrence is very likely, and may not be entirely controlled by following existing processes, procedures, and plans
3	Moderate	Occurrence is possible, and may not be entirely controlled by following existing processes, procedures, and plans
2	Low	Occurrence is unlikely, and may not be entirely controlled by following existing processes, procedures, and plans
1	Very Low	Occurrence is very unlikely, and may not be entirely controlled by following existing processes, procedures, and plans

## Code IRM Summary Card

<b>LIKELIHOOD</b>	5	10	16	20	23	25
	4	7	13	18	22	24
	3	4	9	15	19	21
	2	2	6	11	14	17
	1	1	3	5	8	12
		1	2	3	4	5
<b>CONSEQUENCE</b>						

### Timeframe

Near	0 to 3 months
Mid	>3 Months but <9 months
Far	>9 months

Consequence Definitions		1	2	3	4	5
<b>Safety</b>	<b>Personnel</b>	Minor first aid treatment or injury	Moderate injury, illness, incapacitation or impairment	Significant or long-term injury, illness, incapacitation or impairment	Permanent or major injury, illness, incapacitation or impairment	Death
	<b>Facilities, Equipment, or Other Assets</b>	Minor damage to non-essential assets	Major damage to non-essential assets or minor damage to essential assets	Loss of non-essential assets, or major damage to essential assets, or minor damage to flight assets	Loss of essential assets or major damage to flight assets	Loss of flight assets
	<b>Environmental</b>	Minor environmental impact	Moderate environmental impact	Significant environmental impact	Major environmental impact	Catastrophic environmental impact
<b>Performance</b>	<b>Mission</b>	Minor impact to requirements, design margins, mission objectives, or exit criteria/ performance goal of a minor Center milestone	Moderate impact to requirements, design margins, mission objectives, or exit criteria/ performance goal of a major Center milestone	Significant impact to requirements, design margins, mission objectives, or exit criteria/ performance goal of a Center milestone	Major impact to requirements, design margins, mission objectives, or exit criteria/ performance goals of more than one Center milestone	Technical goals not achievable with existing engineering capabilities/ technologies
	<b>Supportability</b>	Minor impact to personnel, facilities or infrastructure	Moderate impact to personnel, facilities or infrastructure	Significant impact to personnel, facilities or infrastructure	Major impact to personnel, facilities or infrastructure	Catastrophic impact to personnel, facilities or infrastructure
<b>Cost</b>		Negligible Cost Overrun, budget estimates not exceeded, some transfer of money within the system or level where the risk occurs.	Cost overrun < 5%, well below the project reserve and will not affect overall project spending.	Cost overrun > 5%, significant but within the project reserve.	Cost overrun > 10% cost up to the project reserve.	Cost overrun > 15% (or what is the project reserve. Need to go to next higher level for additional funding).
<b>Schedule</b>		1 month delay to major <u>project</u> milestone	1-3 month delay to major <u>project</u> milestone	>3 month delay to major <u>project</u> milestone	1-3 month delay to major <u>program</u> milestone or more than one Center milestone	>3 month delay to major <u>program</u> milestone or cannot meet major program milestone
<b>Management</b>		<ul style="list-style-type: none"> <li>Minor negative impact on GRC</li> <li>No reporting or involvement outside the Center</li> </ul>	<ul style="list-style-type: none"> <li>Moderate negative impact on GRC</li> <li>Reported to Agency Mgt</li> <li>May entail external assistance or involvement</li> </ul>	<ul style="list-style-type: none"> <li>Significant negative impact on GRC</li> <li>Reported by local media</li> <li>Center Director obliged to make a public statement</li> </ul>	<ul style="list-style-type: none"> <li>Major negative impact on Agency</li> <li>Reported by national media</li> <li>NASA PM or AA required to make public statement</li> </ul>	<ul style="list-style-type: none"> <li>Catastrophic negative impact on Agency</li> <li>Reported internationally</li> <li>NASA Administrator or President required to make public statement</li> </ul>