

## RISK MATRIX EXAMPLE-INCHEON AIRPORT

**Severity table-Incheon Airport**

Number	Severity	Loss	Meaning
5	Very High	Human Loss	Casualties are more than 10 people
		Hardware Loss	More than 10 million dollars
		Operational Loss	Airport Close or airport operation suspension
4	High	Human Loss	Casualties are 1 to 9 people
		Hardware Loss	More than 1 million and less than 10 million dollars
		Operational Loss	Runway close: more than 24 H, taxiway and apron close: more than 72 h
3	Moderate	Human Loss	Serious Injuries to be hospitalized
		Hardware Loss	More than 100,000 and less than 1 million dollars
		Operational Loss	Runway close: more than 12 H, taxiway and apron close: less than 72 h
2	Low	Human Loss	Light injuries more than 4 weeks medical treatment
		Hardware Loss	More than 10,000 and less than 100,000 dollars
		Operational Loss	Aircraft Operational Delay 3 H or Aircraft operation cancel
1	Very Low	Human Loss	Light injuries less than 4 weeks medical treatment
		Hardware Loss	less than 10,000 dollars
		Operational Loss	No effect airport operation

**Probability table- Incheon Airport**

Number	Probability	Meaning
5	Very High	It is expected to happen in a month
4	High	It is expected to happen in a year
3	Moderate	It is expected to happen in 5 years
2	Low	It is expected to happen in 20 years
1	Very Low	It is expected don't happen in 20 years

**Risk Matrix-Incheon Airport**

Severity \ Probability	Very High 5	High 4	Moderate 3	Low 2	Very Low 1
Very High 5	Very High (25)	Very High (20)	High (15)	High (10)	Moderate (5)
High 4	Very High (20)	Very High (16)	High (12)	Moderate (8)	Moderate (4)
Moderate 3	High (15)	High (12)	High (9)	Moderate (6)	Low (3)
Low 2	High (10)	Moderate (8)	Moderate (6)	Moderate (4)	Low (2)
Very Low 1	Moderate (1)	Moderate (5)	Low (3)	Low (2)	Low (1)

**Criteria table-Incheon Airport**

Level of risk		Acceptability of risk	Criteria for management
16~25	Very high	Intolerable	It is required to be eliminated or reduced to be less than middle risk
9~15	High	Tolerable	It is required to be eliminated or reduced to be less than middle risk
4~8	Middle		It is acceptable, but further action is required
1~3	Low	Acceptable	no further action is required

