



North Carolina Wing Weekly Safety Blast



2018 - Topic #12 – ORM Review

Reason for this Blast:

Give a quick, easy and fact based review of Basic RM and how to use it.

What is Operational Risk Management (ORM)?:

It's a logic-based, common sense approach to making calculated decisions on human, material and environmental factors associated with any type of activity. Put simply, it's a methodical, six-step process to manage inherent risk.

Six Steps:

1. Identify the hazards
 - a. This is the foundation of the ORM process.
2. Identify the hazards
 - a. Examine each hazard and determine the exposure, severity and mishap probability for the activity. Use the Risk Assessment Index, to prioritize the hazards into levels of risk and work on the worst one first.
3. Analyze the risk control measures
 - a. Determine which risks can be eliminated, reduced or controlled in some manner. A risk control must change the risk by impacting the exposure, severity or the probability of a mishap.
4. Make control decisions
 - a. The appropriate decision maker uses cost versus benefit analysis to choose the best control(s). This step involves two actions. First, select the best possible risk controls. Next, decide if those controls will assure that the benefits will outweigh the costs.
5. Risk control implementation
 - a. The key here is for the risk controls to truly be integrated within the plans, processes and operations with which they are associated. For the controls to be successful, the implementation must be clear to everyone, there must be accountability and leadership must provide support.
6. Supervise and review
 - a. When risk controls are properly integrated, the supervision of them is just like any other leadership action -- this is the prime reason for the emphasis on completely integrating the risk controls. Review is the systematic measurement of whether or not the benefit was worth the cost.



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Three ORM Levels:

- Deliberate
 - Primarily uses experience and brainstorming to identify hazards and develop controls and is most effective when done in a group.
 - Takes place well in advance of an activity in the planning stages.
- Time critical
 - It's an "on-the-run" mental or verbal review of a situation using the basic risk management process without necessarily recording the information.
 - Typically used during the execution phase of an operation as well as crisis response situations.
- Strategic
 - Used to study the hazards and associated risks in a complex operation in which the hazards are not well understood.
 - Used for high-visibility risks and requires a lot of time and resources.

Levels of Severity:

- Catastrophic – Complete mission failure, death, or loss of system.
- Critical – Major mission degradation, severe injury, occupational illness or major system damage.
- Moderate – Minor mission degradation, injury, minor occupational illness, or minor system damage.
- Negligible – Less than minor mission degradation, injury, occupational illness, or minor system damage.

Levels of Severity:

- Frequent – Occurs often in career/equipment service life. Everyone exposed. Continuously experienced.
- Likely – Occurs several times in career/equipment service life. All members exposed. Occurs frequently.
- Occasional – Occurs sometime in career/equipment service life. All members exposed. Occurs sporadically, or several times in inventory/service life.
- Seldom – Possible to occur in career/equipment service life. All members exposed. Remote chance of occurrence; expected to occur sometime in inventory service life.
- Unlikely – Can assume will not occur in career/equipment service life. All members exposed. Possible, but improbable; occurs only very rarely.



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Risk Assessment Matrix

		Probability				
		Frequent	Likely	Occasional	Seldom	Unlikely
S E V E R E T Y	Catastrophic	Extremely High		High		Medium
	Critical	High	Medium		Low	Very Low
	Moderate	Medium	Low		Very Low	
	Negligible	Low	Very Low			
	Very Low	Very Low	Very Low			

MAIN DISCUSSION POINT OF THIS SAFETY BLAST

Development of sufficient proficiency in applying the process so that risk management becomes an automatic part of the decision-making methodology during CAP activities and your personal time.