



Parker Cadet Squadron

Operational Risk Management (ORM)

Safety Down Day

Lieutenant Colonel Chuck West

08 OCT 09

Safety is a Mindset

Parker CAP ORM #1



“Basic Level ORM...should be taken by every member of Civil Air Patrol.”

Colonel Lyle Letteer National Safety Officer



Just the Facts...



Missing ORM Basic Report

C - Indicates complete in eServices
 X - Indicates NOT complete in eServices

Name - CAPID	Status
RMR-CO-173	
David E Adamson - 125912	X
Elijah M Anderson - 436158	X
Tammy R Bass - 450540	X
Benjamin N Bass - 300361	X
Cody S Brasel - 378512	X
Jerry M Burney - 440310	X
Robert L Burney - 440368	X
Brittany D Burney - 440391	X
Benjamin O Burney - 440390	X
Daniel D Christensen - 442858	X
Karren H Clonts - 394701	C
Thomas B Cordell - 436279	X
Marikus A DeHerrera - 459540	X
Avin R Deherrera - 465511	X
Julia E G Doherty - 454445	C
Peter H Dunn - 352005	X
Andrew H Dunn - 345148	X
Danielle R Eidsvik - 412912	X
Chris S Eidsvik - 409152	X
Kyle S Faulkison - 458645	X
Joseph W Gebhards - 456569	X
Chester R Gebhards - 457158	X
Zac F Hanna - 458993	X
Kyle J Hawkins - 453805	X
Hailey D Hendrickson - 454692	X
Allie M Jackson - 494453	X
James T Kadolph - 422041	C
Daniel J Kuminka - 459993	X
Erika B Kunges - 467318	X
Benjamin A Lovelace - 457285	X
Elijah Z Lovelace - 457303	X
Isaac Y Marble - 450268	C
Nathan W Marble - 450517	X
Scott K Marble - 462232	X
Glen A Peters - 138941	X
Chase A Peters - 431138	C
Chris R Phillips - 457518	X
Ray C Phillips - 458863	C
Jennifer E Ploegman - 211133	X
Gable G Prach - 448212	X
Robert S Preston - 438696	X
Cody S Preston - 418029	X
Samuel Ramos - 438938	X
Richard A Shaw - 441252	X

C - Indicates complete in eServices
 X - Indicates NOT complete in eServices

Name - CAPID	Status
Chance W Sheek - 448209	X
Michael I Taneler - 447320	X
Kim S Taneler - 450207	X
Garrett W Titera - 434458	X
Tyler J Traver - 446896	X
Eric T Vera - 392799	X
Caitlin V Vera - 392800	X
Dakota L Webster - 463918	X
Benjamin R Welter - 409154	X
Charles N West - 430763	X
Andrew W West - 415279	X
Isaac B Wise - 465801	X
Aaron W Wulf - 459717	X

Total number of members who have Completed ORM Basic Training - 6
 Total number of members who have NOT Completed ORM Basic Training - 51



- When the National Safety Officer says our squadron's members "should," we "shall"
- Roger?
- Cadets – and Senior Members - grunt in unison: "ohh rah!"



Grab a Pen and Paper

- We will now take the Basic ORM Course - as a squadron
- You may experience minor brain-discomfort during this process... ☹️
- At the end of the course – you will be shown how to take the online test
- You will do great taking the open-book online test... 😊



Civil Air Patrol

BASIC LEVEL OPERATIONAL RISK MANAGEMENT





Basic ORM

Civil Air Patrol wishes to thank the USAF Safety Center for the use of their information in the creation of this presentation.



Basic ORM

Define Operational Risk Management

- It's a logic-based, common sense approach to making calculated decisions on human, material and environmental factors associated with any type of activity.

Or

Simply put, it's a methodical, six-step process to manage inherent risk.



Basic ORM

- Mankind has always dealt with risks through intuition and memories of past experiences. Success through this method, has always been, and will continue to be, hit and miss.
- The ORM process allows systematic risk decision-making that manages risk as part of the whole operation, reduces mishaps and improves the cost-benefit ratio by lowering risk. The end result is that we are safer, our resources are conserved and our operational capability is optimized.



Basic ORM

- The Six Steps of the ORM Process
 1. Identify the hazards
 2. Assess the risks
 3. Analyze the risk control measures
 4. Make control decisions
 5. Risk control implementation
 6. Supervise and review



Basic ORM

1. Identify the hazards:

This is the foundation of the ORM process.

If you don't know the hazards to mission degradation, personnel injury or death, or property damage, then they can't be controlled.

A hazard is simply a condition that could cause loss. Focus on what is at risk and list potential hazards.



Basic ORM

2. Assess the risks:

Quantify and qualify the probability and severity of loss from exposure to the hazard.

Examine each hazard and determine the exposure, severity and mishap probability for the activity. After a hazard is examined, risk can be established. Use the Risk Assessment Index, to prioritize the hazards into levels of risk and work on the worst one first. Managers should deal in risk rather than hazards since hazards do not have an explicit mission connection.



Basic ORM

3. Analyze risk control measures:

Investigate a variety of actions which will either reduce or eliminate the risk.

Determine which risks can be eliminated, reduced or controlled in some manner. If you did the previous step correctly, you'll know which one to concentrate on first. A risk control must change the risk by impacting the exposure, severity or the probability of a mishap. Prioritize these control measures to get the most "bang for your buck".



Basic ORM

4. Make control decisions:

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.

This decision making process should involve the right person making the decision at the right time, based on the right inputs.



Basic ORM

4. Make control decisions:

Who's the right person?

Whoever has the best grasp of the risk and the opportunity issues.



Basic ORM

4. Make control decisions:

Don't think that just because risk is present, you should avoid the activity. Only go for the risk when the total benefits outweigh the total costs. Always reject the risk when total costs outweigh total benefits.

What is the difference between a bold, prudent, decisive risk and a gamble? Information and the process used to make the decision – ORM.



Basic ORM

5. Risk control implementation:

The key here is for the risk controls to truly be integrated within the plans, processes and operations with which they are associated.

Without integration, it won't be nearly as effective. For the controls to be successful, the implementation must be clear to everyone, there must be accountability and leadership must provide support.



Basic ORM

6. Supervise and review:

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. This is the management aspect of ORM.



Basic ORM

- One of the objectives of risk management training is to develop 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.



Basic ORM

- There are three ORM Levels:

Deliberate – Primarily uses experience and brainstorming to identify hazards and develop controls and is most effective when done in a group. Typically used for a flight clinic, cadet activity or disaster response planning.

Usually takes place well in advance of an activity in the planning stages when there's plenty of time to methodically go through the steps and develop informed risk decisions.

Early, deliberate ORM in the planning stages helps to fully integrate risk controls into activity plans.



Basic ORM

- There are three ORM Levels:

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.

Time-critical ORM is particularly helpful for choosing the appropriate course of action when an unplanned event occurs during execution of a planned operation or daily routine.



Basic ORM

- There are three ORM Levels:

Strategic - Used to study the hazards and associated risks in a complex operation in which the hazards are not well understood.

It is typically used for high-visibility risks and requires a lot of time and resources.



Basic ORM

- It's important to understand that we should not only be targeting our risk issues, we should use ORM to systematically target risk barriers in order to expand operational capabilities.
- Time-critical ORM should be done prior to every flight. Look for hazards in your preflight activities. If you find some, assess the risk associated with them. Eliminate, reduce or control the risks in some manner.
- After making your risk control decisions, determine if the benefits of the activity outweigh the costs.



Basic ORM

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.



Basic ORM

LEVELS OF PROBABILITY

- **Frequent** (Individual/Item) – Occurs often in career/equipment service life. Everyone exposed. Continuously experienced.
- **Likely** (Individual/Item) – Occurs several times in career/equipment service life. All members exposed. Occurs frequently.
- **Occasional** (Individual/Item) – Occurs sometime in career/equipment service life. All members exposed. Occurs sporadically, or several times in inventory/service life.



Basic ORM

LEVELS OF PROBABILITY

- **Seldom** (Individual/Item) – Possible to occur in career/equipment service life. All members exposed. Remote chance of occurrence; expected to occur sometime in inventory service life.
- **Unlikely** (Individual/Item) – Can assume will not occur in career/equipment service life. All members exposed. Possible, but improbable; occurs only very rarely.



Basic ORM

Risk Assessment Matrix

		Probability				
		Frequent	Likely	Occasional	Seldom	Unlikely
S E V E R E I 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			



Basic ORM

CAPR 62-1

CIVIL AIR PATROL SAFETY RESPONSIBILITIES AND PROCEDURES

3d(1): At least once annually, Operational Risk Management (ORM) will be discussed during a unit safety meeting.



Basic ORM

CAPR 62-1

CIVIL AIR PATROL SAFETY RESPONSIBILITIES AND PROCEDURES

3d(2): New members will receive ORM familiarization training, which is included in the Level One Foundations Course.



Basic ORM

- Now complete a risk assessment of your last mission using the Risk Assessment Matrix.
- Using the Risk Assessment Matrix, complete a risk assessment for your next squadron meeting.
- Perform as many risk assessments as you need to feel comfortable with the process.
- When you are ready, click on the link below to take your exam.
- Good Luck!
- [Complete the Basic ORM Test](#)



National CAP SAFETY

Download Course – Take Test

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ORM

[Basic Operational Risk Management \(ORM\) Course \(PowerPoint\)](#)
[Basic Operational Risk Management \(ORM\) Course \(PDF\)](#)

[Intermediate Operational Risk Management \(ORM\) Course \(PowerPoint\)](#)
[Intermediate Operational Risk Management \(ORM\) Course \(PDF\)](#)

Basic & Intermediate ORM on-line Tests

ORM Worksheet. REQUIRED STAFF TRAINING: Part 2, Using ORM.

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Safety is a Mindset

Parker CAP ORM #31



CAP Online Test System

The screenshot shows the Civil Air Patrol Online Test System interface. It features a dark blue header with the CAP logo and the text "Civil Air Patrol Online Test System". A left sidebar contains navigation links for "Home" and "Test Reports & Certificates". The main content area is white and contains a light blue box titled "Online Test System". Inside this box, there is a dropdown menu for "Select Test" currently set to "Basic Operational Risk Management (ORM) Test", two input fields for "CAPID:" and "Last Name:", and a "Start Test" button. Below the form, a security warning is displayed: "Users who receive a Security Alert Warning each time you access one of the secure web pages on this server may need to install the DoD Root CA Certificate. [Click Here for more information on how to eliminate this warning.](#)" The browser's status bar at the bottom shows "Internet | Protected Mode: On" and a 100% zoom level.



The Reward



08 OCT 09

Safety is a Mindset

Parker CAP ORM #33



More Paper for YOUR File!

- Print out your Certificate of Completion and bring a copy to the next meeting
- Questions?
- Comments?
- Suggestions?