

SAFETY GRAM



Marine Corps Mishap Synopsis & Lessons Learned

Issue 11 - January 2012

Safety Division's *Monthly Safety Gram* is provided to senior leaders to maintain awareness of mishap trends that directly affect the operational readiness of the Corps. This information should also be disseminated at every level of your command to assist high-risk Marines and Sailors in understanding the impact of the decisions they make every day both on and off-duty.

January 2012: Mishap Summary

The mishaps below occurred throughout the Marine Corps from January 1 - January 31, 2012 causing serious injury or death to Marines, and/or damage to equipment.

01 Jan 2012: A Marine was speeding and veered off the road crashing and causing his vehicle to burst into flames. His body was burned beyond recognition inside the car and positive identification was later made during an autopsy.

04 Jan 2012: A Marine was riding his bicycle when he had a head on collision with a pickup truck. He was transported to the hospital and treated for a concussion with the loss of consciousness, brain injury, and fractured leg.



08 Jan 2012: A Marine was involved in a single motorcycle mishap when he lost control in a turn. He was pronounced deceased by emergency personnel that arrived on the scene.

09 Jan 2012: AV-8B AN/ALQ-28 LITENING pod forward section damaged during aircraft tow. Class C AGM

09 Jan 2012: MV-22 crew chief fell off nacelle while performing post flight inspection. Class C AGM

12 Jan 2012: UH-1Y FLIR ball damaged when it impacted the ground during a hover. Class C FM

13 Jan 2012: A Marine was the victim of a hit and run vehicle mishap while operating his motorcycle. He was taken to the hospital where his spleen was removed and he was treated for bruised lungs, kidneys, and brain swelling.

15 Jan 2012: A Marine fell down his basement stairs resulting in significant head injury. He was taken to the hospital for evaluation and placed in the ICU.

16 Jan 2012: A Marine was involved in a PMV mishap while under the influence of alcohol causing his vehicle to roll-over. The Marine was taken to the hospital in serious condition. The civilian passenger was ejected from the vehicle and taken to the same hospital in critical condition.

18 Jan 12: CH-53E experienced intermediate gearbox input housing failure. HAZREP

19 Jan 2012: AV-8B rolled into jet blast deflector during maintenance; tail damaged. Class C AGM

19 Jan 2012: CH-53D crashed while conducting night operations in support of OEF. Class A FM

20 Jan 2012: KC-130J departed runway on landing rollout. Class B FM

21 Jan 2012: A Marine was involved in a PMV mishap while under the influence of alcohol. He struck another vehicle which resulted in the death of two of five total civilian occupants, and injuries the remaining three occupants. The Marine was taken to the hospital in stable condition with a broken ankle and was later arrested for felony DUI and manslaughter.

24 Jan 2012: RQ-7B engine failure on takeoff. Class C FM

27 Jan 2012: A Marine was involved in a motorcycle mishap when he struck another vehicle and was thrown from his bike at a high rate of speed. He sustained several lacerations on extremities and a punctured abdomen.

28 Jan 2012: A Marine sprayed his foot with a hot water sprayer causing 1st and 2nd degree burns.

28 Jan 2012: A Marine was involved in a motorcycle mishap and sustained a laceration to one of his fingers.

30 Jan 2012: Two Marines were driving in a PMV when the driver lost control of the vehicle causing a rollover. Marine #1 (driver) sustained a concussion, a laceration to his scalp, and brain injuries. Marine #2 (passenger) sustained numerous injuries and was taken to the hospital in critical condition with brain injuries, spine injuries, and crushed ribs.

30 Jan 2012: A Marine was involved in a motorcycle crash and sustained a broken ankle when his transmission "locked up". He was wearing all required PPE and had graduated from the basic riders course.

USMC Ground Mishap Investigation Course

(A-493-0078 Equivalent)



Primary Location:

Joint Services Safety & Occupational Health Training Program. Fort Rucker, AL

Dates: **16-20 Apr. 2012**
(12 Seats Available)
06-10 Aug. 2012

Other Locations: *As requested*
(Please contact us to coordinate)

Contact:

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Course Topics

Background

- Introduction
- Legal Aspects of Mishap Investigation
- Types of Investigations and Investigation Boards
- Reporting and Recordkeeping requirements

This 40 hour (5 day) course utilizes a case study and focuses on **root cause analysis** and **report writing**.

Classes conducted at Ft Rucker include a **crash dynamics lab** to practice evidence collection and interviewing techniques.

Investigation Techniques

- Mishap Site Management
- Evidence Collection
- Interviewing Techniques
- Reconstruction Techniques
- Analytical Tools & Techniques
 - **DoD HFACS**
- Developing conclusions & Recommendations
- Safety Investigation Report (SIREP) Writing
- SIB Executive Summary Briefing

Marine Ground Climate Assessment Survey (GCASS) Issue Papers

The GCASS issue papers referenced below are published by Advanced Survey Design and available upon request by contacting ASD directly, or visiting www.semperfisurveys.org. Issue Papers are based on the anonymous input ASD receives from GCASS surveys taken throughout the Marine Corps. These issue papers identify trends without revealing individual inputs or unit specific data, and are effective tools for commanders, safety representatives, and higher headquarters staff, helping them to understand perceptions and attitudes expressed by their units and to open up unit safety dialogue. Read more about GCASS Issue Papers by clicking [here](#).

Marine Ground Climate Assessment Surveys

Recent Issue Papers:

- [Issue Paper # 46](#) - Authority to Halt Unsafe Activities
- [Issue Paper # 45](#) - ORM, Surveys, & Stand-downs: A Powerful Combination
- [Issue Paper # 44](#) - Operational Risk Management (ORM)
- [Issue Paper # 43](#) - Overview of GCASS Survey Process
- [Issue Paper # 42](#) - Unit Morale

Naval Aviation Climate Assessment Surveys

Recent Issue Papers:

- [Issue Paper # 121](#) - Tactics Training vs. Basic Flying Skills Training
- [Issue Paper # 120](#) - Flight Safety and Aircrew Proficiency
- [Issue Paper # 119](#) - Contractor Maintenance (CTR) Survey
- [Issue Paper # 118](#) - Comparison of the 5 Bottom-Ranked Survey Items
- [Issue Paper # 117](#) - Unit Morale

Set up a survey and find more Issue Papers at: www.SemperFiSurveys.org

2012 Joint Safety Professional Development Conference (PDC)

The 20th Annual Safety Professional Development Conference (PDC) will be held at the [Hampton Convention Center, Hampton VA](#).

The [Embassy Suites Hampton Roads - Hotel, Spa & Convention Center](#) is the host hotel for the conference. The PDC registration page is now online at <http://www.public.navy.mil/navsafecen/navsafenvtracen/Pages/default.aspx> until 24 February 2012 at which time it will be taken down for processing and printing of badges. On-site registration can also be accomplished starting Sunday, 11 March 2012 at 1900. Be aware that the majority of seminars are open seating and are based on a first come, first served basis. There are only three courses that require pre-registration, they are: ASSE - Reducing Loss from Occupational Risks and Environmental Exposures, Associate Safety Professional (ASP) Examination Preparation Workshop, and Leadership Principles for Occupational Safety and Health Professionals.

The conference agenda is also available on the registration page: <http://www.public.navy.mil/navsafecen/navsafenvtracen/Pages/default.aspx>

Did You Know?

- Check out Safety Division's latest "Did You Know?" newsletter featuring "Fad Diets" by visiting: www.marines.mil/unit/Safety/Pages/did_you_know.aspx
- Find Safety Division's new blog on [MilSuite](#) by visiting: <https://www.milsuite.mil/book/groups/cmc-safety-division>

Mishap Lessons Learned

Almost every mishap that occurs may have been avoided if just one or two things were done differently to break a chain of events. Learn from others, and don't become a statistic.

Ground Safety

Safety Division's Investigation Detachment at the Naval Safety Center conducts mishap investigations throughout the Marine Corps and produces important Lessons Learned from those mishaps. These "Mishap Lessons Learned" are FOUO and can be found on the Marine Corps Center for Lessons Learned (MCCLL) webpage by clicking here: <https://www.mccl.usmc.mil> (CaC Enabled)

Check out the latest Lessons Learned featuring a recent fatality caused by a 7-Ton (MK25) rollover, and a recent friendly fire mishap brief by following the link above.

Aviation Safety

The following lessons have been cited over the last month that, if heeded, may have prevented the death, serious damage, or injury cited. While these lessons may seem obvious it seems they are continually violated, resulting in catastrophic consequences. For the complete SIR please contact your ASO or Safety Division.

Bird strikes continue to be a problem for all aviators. In FY11 there were 55 BASH related HAZREPS. Most often there is only minor damage to the aircraft, sometimes aircrew don't know they have struck a bird until post-flight. Other times the bird is of sufficient size and strikes a critical component of the aircraft, causing a mishap. All aircrew should maintain a vigilant scan for birds especially when flying in close proximity to the ground and in areas of known bird activity. All bird strikes should be reported in order to alert others of potential danger areas.

Aviation Safety Grams

The Aviation Safety Grams referenced below are published on a monthly basis by the model managers with input from the squadron and released as messages. Use the Date-Time Group (DTG) referenced below in [AMHS](#) to view these messages in full.

HMMT-164 DTG: 241658Z Jan 12

Discusses the in-depth ORM the unit conducted in preparing and executing a training plan for an upcoming MEU deployment.

HMHT-302 DTG: 242111Z Jan 12

Discusses the continuous use of ORM in a high op-tempo environment to avoid complacency.

HMLAT-303 DTG: 171808Z Jan 12

Discusses managing the risks presented when a unit returns from a combat deployment and different mindset required in a training environment.

VMAT-203 DTG: 302148Z Jan 12

Discusses ORM in maintenance activities and how its lack of use almost caused a mishap.

VMU-1 DTG: 271014Z Jan 12

Discusses the recent UAS conference and the community's lack of confidence in the arresting net

KC-130J ATU DTG: 021527Z Feb 12

Discusses the use of Leg Segment Altitudes when conducting initial low light level TACNAVs.

VMMT-204 DTG: 252204Z Jan 12

Discusses the deliberate ORM process the squadron used to train prior to embarking aboard amphibious shipping.



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