

Field Sanitation Team Certification Course (FSTCC)



NOISE HAZARDS AND NOISE MANAGEMENT

Enabling Learning Objectives

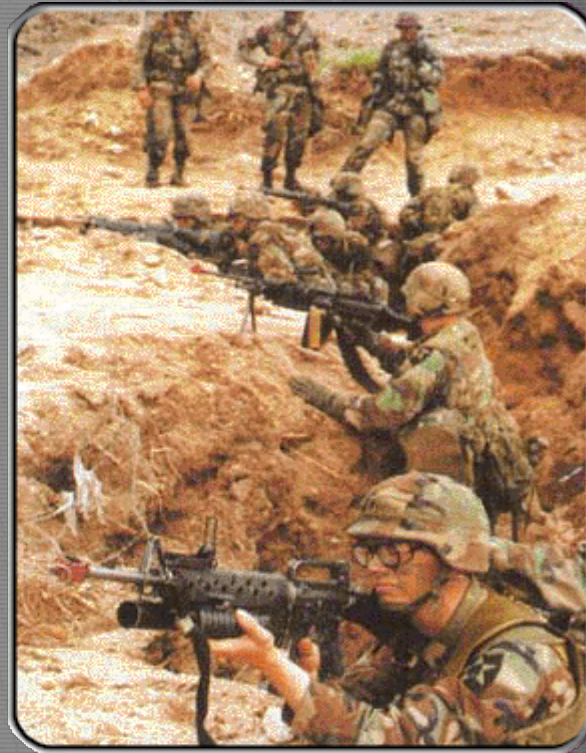
- ***Define the two types of noise***
- ***Recognize the effects of noise on the individual and on the mission***
- ***Identify the preventive medicine measures(PMM) necessary to protect personnel from exposure to noise***
- ***Identify the individual preventive medicine measures(IPMM) necessary to protect personnel from exposure to noise***
- ***Identify the noise management measures necessary to protect personnel from exposure to noise***

Noise



Noise = any unwanted sound

Impulse/Impact Noise



- ***Impulse Noise***
 - ***Small arms fire***
 - ***Cannon fire***

Steady Noise



- **Steady Noise**
 - **Field generators**
 - **Personnel carriers**
 - **Vehicles**
 - **Aircraft**

Effects of Noise



Immediate Reactions



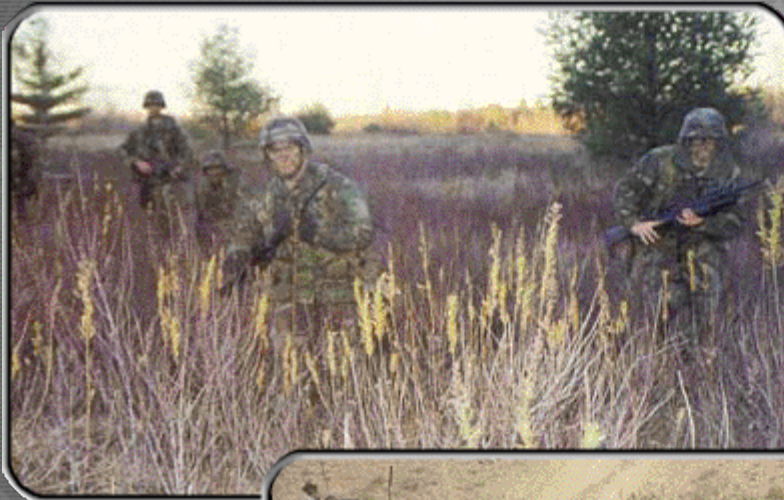
- ***Immediate Reactions***
 - ***ringing in ears***
 - ***Temporary hearing loss***
 - ***Pain***

Long Term Reactions



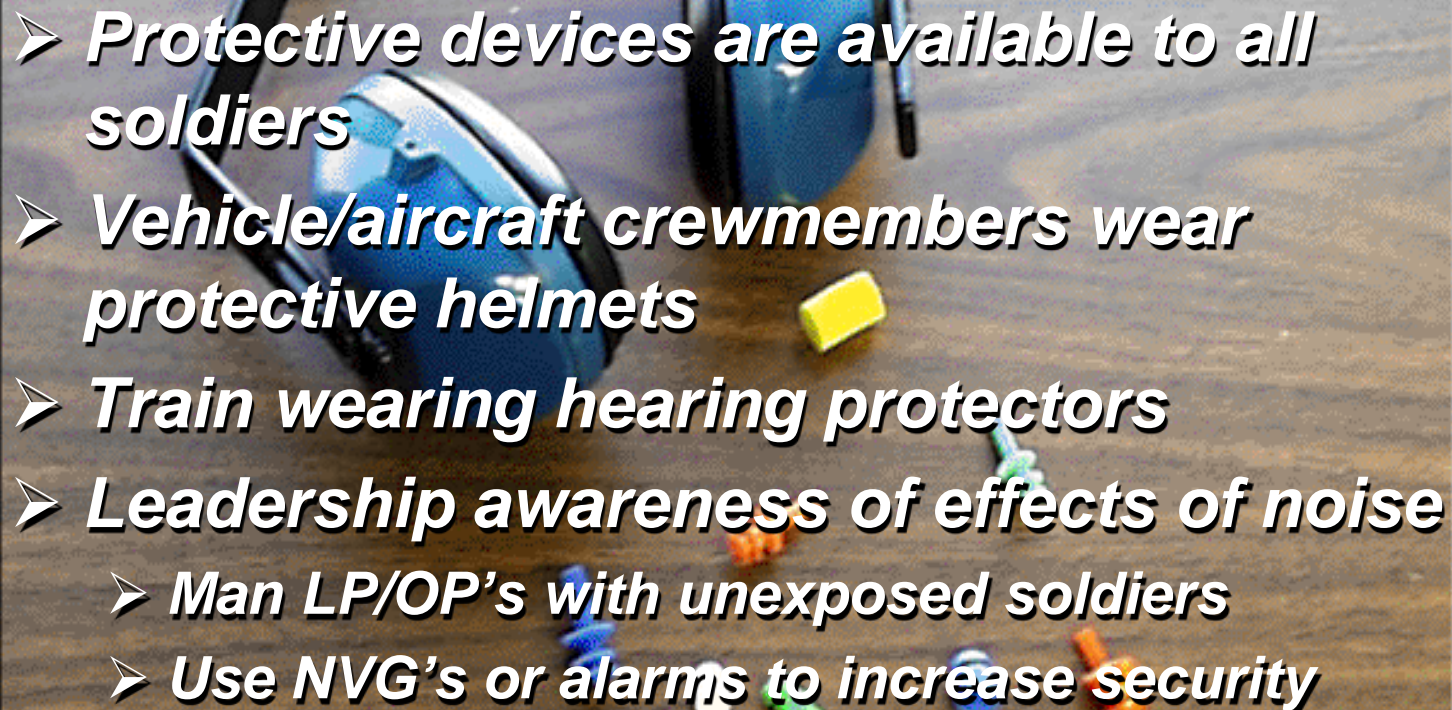
- ***Long Term Reactions***
 - ***Permanent hearing loss***
 - ***No known treatment***

Effects of Noise on the Unit Mission



- ***Inability to hear important sounds***
- ***Soldiers/units can be caught by surprise***

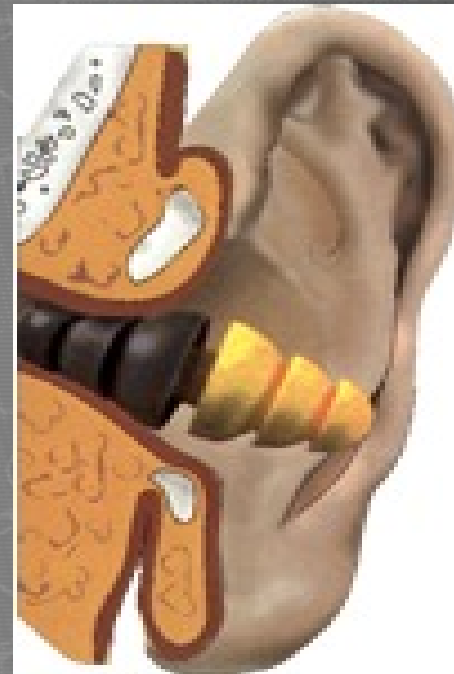
Preventive Medicine Measures - PMM

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- ***Protective devices are available to all soldiers***
 - ***Vehicle/aircraft crewmembers wear protective helmets***
 - ***Train wearing hearing protectors***
 - ***Leadership awareness of effects of noise***
 - ***Man LP/OP's with unexposed soldiers***
 - ***Use NVG's or alarms to increase security***

Other Hearing Devices

Aero Combat Arms Earplug

- *Insert **YELLOW** plugs for weapons fire in dismounted mode.*
- *Insert **OLIVE DRAB** plugs for steady state noise in and around aircraft, noisy vehicles and watercraft. etc.*
- *Keep filter holes free of earwax and other debris.*
- *Check proper insertion for slight tension by gently tugging on plugs.*
- *Ensure that plugs are cleaned with soap and water and dry when returned to case.*
- *<http://botachtactical.com/aerocomarear.html>*



Individual Preventive Medicine Measures- IPMM





After 20 Years of Service...
Only One Regret

SGM Kevin M. Skelly
NCO Journal, Fall 95



- ***Wear hearing protection***
- ***Do not remove inserts from helmets***
- ***Avoid exposure to noise***
- ***Keep hearing protectors clean***



Hearing Protectors



- *Must create a good seal*
- *Will work loose, must be re-seated*
- *Will not inhibit conversation*
- *Reduce noise levels by 15 - 35 dB*

Demonstration



PROPER WEAR OF HEARING PROTECTORS

Demonstration (cont.)

- ***Remember - the only effective hearing protector is the one that is worn***
- ***Hearing damage becomes progressively worse with each exposure***
- ***YOU must be able to convince fellow soldiers of the importance of wearing hearing protection***

- ***Identify noise hazards***
- ***Leader awareness***
- ***Medical support***
- ***Train soldiers to avoid noise***
- ***Control noise sources***



SUMMARY