

TRIDENT NEWS



MST Force Notes January 2010

Editor: MSTCM R. Shane Hooker
(202) 372-1342

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Table of Contents

- 1) [Announcing the new MST RFMC](#)
- 2) [Travels](#)
- 3) [From the Detailer](#)
- 4) [Introducing the new MSS Specialty Manager](#)
- 5) [MST A School Corner](#)
- 6) [MST Non Resident Training](#)
- 7) [Where the did that Service Wide Questions Come From?](#)
- 8) [8\) MST History](#)
- 9) [The numbers](#)
- 10) [Unit Profile](#)
- 11) [Final Notes](#)
- 12) [Old School MST](#)
- 13) [Points of Contact](#)

[1\) Announcing the new MST RFMC:](#)

It gives me great pleasure in announcing Master Chief Jeff Lang has been selected and approved to be the next MST RFMC. There were multiple packages and all were very competitive and the selection process was not an easy one as all of the applicants that put in for the position would have been an acceptable selection. So I just wanted to thank all those who applied.

Below was submitted by MSTCM Jeff Lang:

I would like to introduce myself. My name is Master Chief Jeff Lang and I am currently stationed at Sector Seattle. I am very excited and enthused about assuming the position of the MST Rating Force Master Chief and representing fellow MSTs. I would like to commend Master Chief Hooker on doing

an outstanding job during his tenure in this position. In this introduction I would like to focus on two topics. The first topic being my CG career and my family. The second topic being my expectations for this position.

I enlisted in the Coast Guard in January 1988 with the desire to be an Aviation Mechanic (AD). When I was getting ready to put my name on the AD "A" school list I realized the waiting time was 3 years. With my desire of not wanting to be a non-rate for 3 years I decided to choose a different rating. After talking with my MKC and doing some research I decided to attend the MST "A" school. At that time the waiting list was six months and I graduated "A" school in March of 1989. I have never regretted making the decision to become a MST and I have thoroughly enjoyed my career. Since graduating "A" school I have been to eight different units from the east coast to the west coast to include Alaska, Hawaii, and the Gulf of Mexico. These include MSO Philadelphia, RTC Yorktown as an instructor at the old MSPOC School, MSO Savannah and MSD Unalaska. I was also stationed at MSO Honolulu, Pacific Strike Team, MSO Port Arthur and now Sector Seattle. I have taken every SWE that I have been eligible for even though I thought I had no chance of getting advanced. We can speculate about advancements but if you get recommended and you think you are ready to be advanced, then get your EPQs signed off and take the SWE. You just may be surprised. This is one of the reasons why I have been to so many units throughout my career, but let me tell you, it has been worth it. My family and I wanted to experience everything this country has to offer and see as much of it as we can. I am currently married to my wife, Tema, and we have two wonderful kids, if you can call them "kids". Our daughter, Dea, just graduated MST "A" school on Nov 6th of this year and is currently assigned to Sector San Francisco in the Port State Control Branch. Our son, Brenden, is 14 years old and is in the 9th grade. We are very excited about this move across country, except for my son who does not want to leave his friends, and we look forward to the next four years.

As for my expectations, I will continue to be visible and maintain open communications with you and the decision makers at HQ. If you have questions or concerns within the MST Rating, or if you would like career counseling, then please feel free to contact me. I will try to travel and visit different units at least once quarterly with the hopes of visiting every unit while I am in this position (even though I know this may be a dream). I will also be your voice to not only the decision makers at HQ but to the newly developed ForceCom and OpCom, and to the different Districts if necessary. You can continue to count on the MST Force Notes being published and released every quarter and I will try to include different topics. If you would like to see something different in the Force Notes, then please e-mail me and we can discuss the possibility of adding it. I am excited about being a voice for the MSTs over the next four years and look forward to meeting and working with each of you.

2) Travels:

It has been another busy travel season. I visited Yorktown and met with 3 graduating classes. I also spent a week in Yorktown developing our Occupational Analysis Survey that I am hoping will go live simultaneously with the release of these Force Notes. I spent a week at Tracen Petaluma attending MCPOCG Bowen's Gold Badge Conference, attended Clean Pacific in Portland, OR, and a meeting in Louisville, KY helping develop Mission Essential Task Lists (METLs) for Sectors. I also visited Sector Portland, Sector Seattle, Sector Ohio Valley, and Sector Key West.

3) From the Detailer

Submitted by CWO Brown

Assignment Year 2010 has officially began. The shopping list came out on September 25th and e-resume's for all MST's were due by November 27th. I will start by slating the overseas restricted billets and then start working on the E-9's and making my way down to the E-4's. I will work on Priority 1's then move down the line until I get to Priority 5's. With the majority of the MST billets being Priority 5 that means they will obviously take longer than it will to slate the 1-4's but I still plan on having all orders completed by mid February.

Last year was a great first assignment year for me and I am looking forward to this year being just as challenging and rewarding. I hope I have done a good job at keeping everyone as informed as possible on the MST Hub website. I do my best to check the site daily and answer any questions or address any concerns that any of you may have. Do not hesitate to ever contact me on there with questions or concerns. If you have a question about something, most likely someone has the same question. If I can't answer it then I will do my best to track down the answer or point you into the right direction.

Lastly, I have to ask that individuals please refrain from calling or emailing me asking when you may receive orders or if you have been slated somewhere unless you deem it absolutely necessary. Once I have completed the slating process I will cut your orders. If you must contact me about issues with your e-resume I ask that you email me first and I will respond as soon as possible.

Thank you all for your continued patience as I work on the assignments for AY10.

MSSD2 Jeff Brown
MST Assignment Officer
202-493-1281

4) Introducing the new MSS Specialty Manager

FROM THE DESK OF THE MSSD/MSSE SPECIALTY FORM MANAGER

Hello, my name is Travis Nolen, I'm the MSSD/MSSE Specialty Force Manager. By the time you're reading this I will have been the SFM for almost 8 Months! I apologize for not getting something out to you sooner. Before I go any further, I like to give you my background/experience: I have 25 years CG experience and 11 years in Marine Safety. I'm a Double Ended Senior Marine Inspector and have 4 years of investigations experience as well (FO, FN, & RO). The two qualifications that I have not attained are MU & OI. Prior to my appointment to CWO, I was an MKC on the promotion list for MKCS. Some of my hobbies include; running, cycling, camping, and playing bass guitar.

How I can help you

Just like Master Chief Hooker, my phone is always opened and I am willing to talk with you about issues related to MSSD's. Also, I was a member of the last CWO Selection Board (for 2010), so I have a pretty good understanding of the selection process and can provide guidance if needed.

2010 MSSD Outlook

This transfer season the Assignment Officer has approximately 108 MSS positions to fill with 73 incumbent's (i.e. current inspectors) and 35 new appointees. Of the 108 positions, 60 require inspectors with a major qual (HI or MI). Of the 73 incumbents only 59 have a major inspections qual. As of today, the cut for MSSD is 15 with the predictor at 23. That being said, our program just received funding approval for an additional 74 positions (approx 30 Civilian and 44 Junior Officer Positions). These new civilian positions could have a significant

impact on the cuts/predictor, depending on how many current MSSD's/MSSE's apply and get accepted for these new jobs and how many of these positions are filled this year.

MSSD/MSSE Experience

The current level of experience in the MSSD/MSSE specialties is lower than normal. Over the last 3 years the Prevention Program has created several new civilian inspectors/investigators and it looks like the trend will continue for the near future. This trend has had a negative impact on CWO Experience*.

*The average for all MSS CWO's is 4.78 years since they have become a CWO. The median (the number which there are equal members above and below) is 4.32 indicating that there are several CWO raising the average time. There are 2 CWOs with 19.39 years as a CWO, one in each MSSD and MSSE.

The Mode is an indication what the most frequent amount of time as a MSS CWO, and not surprisingly, there is more MSSD/MSSE CWO's with less than 1 year than any other amount of time as a CWO. This is expected since in recent years there has been a growth in the MSS specialty and because of retirement, losses will almost always occur after a couple of years as a CWO (reducing the number with over 2 years time as a warrant)

	Average Time as CWO	Median Time as CWO	Mode Time as CWO
MSS	4.78	4.38	0
MSSD	4.32	3.39	2
MSSE	5.14	4.38	0

Again, if you have any questions or would like to discuss career opportunities please feel free to contact me.

Regards,

Travis J. Nolen, CWO4
MSSD/MSSE Specialty Force Manager
Force Management Staff Division (CG-7D-1)
Phone: (202) 372-1241
Email: Travis.J.Nolen@uscg.mil

5) MST A School Corner

Submitted by MSTC Jen Ursin

MST-A school is winding down with one class left to graduate before the New Year. It has been a busy year so far and will not slow down anytime soon during 2010. We encourage all hands to pass to shipmates with orders to MST-A school to try and complete the EPME AQE before arriving to school. It will be beneficial for them to get it done sooner. The test cannot be administered during class time and must be done during times in early morning, at lunch, or in the evening (if we can convince the ESO to stay later). It is just one more thing that they will have to study in addition to the plethora of material that they will be learning here. We cannot always schedule the AQE tests early enough during the MST-A course to allow time for multiple retakes. There are other A-schools and personnel who utilize ESO services as well that keep them busy.

On another note, all units please notify your admin departments to try and release welcome aboard packages via CGMS as soon as they can, in addition to checking for orders of new personnel coming to your units more frequently. Sometimes units have not been sending welcome aboard packages via CGMS until after the student graduates. Students have a very short window to sort out admin issues

(DLA, overseas, etc) once they meet with TRACEN PERSRU after receiving orders to new unit. It will be beneficial for students to receive sponsor info or at least an admin contact to obtain pertinent housing status info such as whether they will be living on the economy for DLA purposes.

We look forward to a New Year with new students beginning in January. Happy Holidays!

Jen Ursin, MSTC
Assistant Chief, MST-A School
757-856-3500 x3204

6) MST OA

Hopefully everyone got an email with a link to take this survey. I have been actually sitting on these Notes since just before Thanks Giving to include this in them.

Our last Occupational Analysis (OA) had a very good return rate (60% of MSTs took it) but I would like to get an even higher number of MST to complete this one. The data we get from the OA is used to build new EPQs so if you wonder why do I have to get something signed off to advance here is your chance to influence that. So please take the survey and answer the questions accurately the higher percentage to complete the survey the better our new EPQs will be.

R 282109Z DEC 09 ZUI ASN-PC1362000050
FM COMCOGARD FORCECOM ALAMEDA CA//FC-00// TO ALCOAST BT UNCLAS //N05220//
ALCOAST 719/09 COMDTNOTE 5220
SUBJ: MARINE SCIENCE TECHNICIAN (MST) OCCUPATIONAL ANALYSIS SURVEY 1. ALL
MARINE SCIENCE TECHNICIANS WILL RECEIVE AN E-MAIL IN EARLY 2010 CONTAINING A
LINK TO AN ON-LINE OCCUPATIONAL ANALYSIS (OA) SURVEY. THE MST (OA) SURVEY
WILL STAY ACTIVE FOR SIX WEEKS. THE
(OA) SURVEY IS THE MEANS TO CAPTURE AND DEFINE THE CURRENT WORLD OF WORK FOR
THE MST RATING. ALL RECIPIENTS SHOULD COMPLETE THE SURVEY TO ENSURE DATA
CONTAINS A DIVERSE ARRAY OF BILLET TYPES AND PAYGRADES. COMMANDS ARE
REQUESTED TO ENSURE AMPLE OPPORTUNITY IS GIVEN FOR THEIR MEMBERS TO COMPLETE
THIS IMPORTANT SURVEY.
2. THE SURVEY WAS DEVELOPED BY A GROUP OF MST SUBJECT MATTER SPECIALISTS IN
CONJUNCTION WITH TRACEN YORKTOWN PERFORMANCE TECHNOLOGY CENTER (PTC) STAFF
AND THE MST RATING FORCE MASTER CHIEF (RFMC). DATA COLLECTED FROM THE SURVEY
WILL UNDERGO ANALYSIS AND THEN BE CATEGORIZED INTO A REPORT FOR PROGRAM
MANAGERS USE. THE
(OA) REPORT WILL BE USED BY THE RFMC TO UPDATE THE MST ENLISTED PERFORMANCE
QUALIFICATIONS (EPQ) DURING AN UPCOMING RATING REVIEW.
THE REVISED EPQS WILL DRIVE DEVELOPMENT OF NEW MST RESIDENT AND NON-RESIDENT
COURSES AND DEVELOPMENT OF SERVICE-WIDE EXAMINATION QUESTIONS.
3. ALL MST PERSONNEL ARE HIGHLY ENCOURAGED TO PARTICIPATE IN THE ON-LINE
(OA) SURVEY. THE SURVEY WILL BE AVAILABLE ON BOTH THE INTRANET AND INTERNET
SO THAT IT MAY BE COMPLETED USING EITHER A CG OR HOME COMPUTER SYSTEM. THE
AVERAGE COMPLETION TIME IS 60-90 MINUTES. THE SURVEY IS NOT REQUIRED TO BE
COMPLETED IN ONE SESSION.
IT MAY BE SAVED AND RESUMED AT A LATER TIME. YOUR INPUT WILL CONTRIBUTE TO
THE PROFESSIONAL DEVELOPMENT AND READINESS OF THE MST WORKFORCE.
4. POINTS OF CONTACT FOR QUESTIONS ABOUT THE MST (OA) ARE PTC
REPRESENTATIVES CWO2 ANTONIO VARNER AT (757) 856-2842 OR MR.
WILLIAM SELETYN AT (757) 856-2027. QUESTIONS CONCERNING THE RATING SHOULD BE
DIRECTED TO THE MST RFMC, MSTCM SHANE HOOKER AT (202) 372-1342.

5. RADM T. S. SULLIVAN, FORCE READINESS COMMANDER, SENDS.
6. INTERNET RELEASE AUTHORIZED.
BT
NNNN

7) Where the did that Service Wide Questions Come From?

MSTCM James Heard
Rating Training Master Chief
Marine Science Technician School
TRACEN Yorktown

Here it is, a few weeks after the November 2009 Service Wide Exam (SWE) and the halls and telephone are a-buzz with the question “Where did that service wide question come from?”

The straight and truthful answer is “From the Enlisted Performance Qualifications (EPQs)!” No matter how technically correct, it is not a very satisfying answer. Every question is drawn from and connected to one if not two or three of the EPQs.

Remember, in order take the SWE, every participant has proven themselves as knowledgeable and skilled in their rating and has been recommended for advancement by their command -- they have decided that you are ready to take on the responsibilities of the next pay-grade. Because there are only a limited number of openings for people to be advanced to, and there are more than enough candidates for those positions, the Coast Guard has decided that the best way to identify the best candidates to promote is to use a test to rank-order everyone. That is the function of the SWE -- to rank order each person recommended for advancement.

And, in order to do that, the questions written are not of the simple variety -- it is very hard to rank order a list of people that have all aced the test. So, the question are intended to stretch the brain and test the depth of your knowledge and experience.

Question Writing and Review: All questions written for either for the Service Wide Exam or an End-of-Course Text are reviewed by a training specialist before they are placed into the question database. The question is checked for proper format, grammar and writing style. The technical accuracy is the responsibility of the writer.

Service Wide Question Review:

The first week of November, five Marine Science Technician Master Chiefs, MSTCM Shane Hooker (Rate Force Master Chief), MSTCM Randy Sorge (MST "A" School Chief), MSTCM Jeff Lang from Sector Seattle (incoming MST RFMC), MSTCM Dave Chapman from Sector Hampton Roads, and myself met in Yorktown to review all of the questions in the Service Wide data base. As a result of this review, some questions have been marked for removal from the data base. Some additional questions have been tagged for either a total rewrite or a partial rewrite. All totaled, about 70 questions were affected by this review.

So What Now?

I will be spending the next month trying to get all of the corrections made to those questions that require rewriting. The questions that have been identified for removal will be removed prior to the printing of the May Service Wide exams.

Service Wide Exam Production: Thankfully, long gone are the days when each question had to be hand typed into a document, we use a computer program called *Gemini* to manage our question database and generate our tests. The program selects the questions from the database based on a specified criteria and the sequence of the answer and distracters is randomized and a Word file “pops-out” ready to be printed and mailed to the PSC for distribution. In most cases, I have no idea which questions are on each exam, I let the program pick them. The only manual test production process that is still hand done is the master/key bubble sheet.

Hope this article has helped, if you have SWE questions give me a call (757-856-2101) or if you prefer call Senior Chief Mcloud (757-856-2074). Please bear in mind neither Chief Mcloud or I WILL discuss any specific test questions but, we have been know to help people find the correct reference.

MSTCM James Heard
November 10, 2009

8) MST History

I just wanted to throw out a special thanks to MSTC James Salmeron who found this historical document and MSTCM retired Bruce Peters who originally drafted the document and made a couple of updates.

History of Rating

In 1962/3 a number of the CG's oceanographers suggested that enlisted personnel could be trained to carry out routine oceanographic observations on Ocean Stations, Ice Breakers, and Oceanographic ships, in a manner similar to the weather observations taken by the aerographers mates (AG) and the bathythermograph readings taken by the sonarmen (SO). The idea was pitched to the Commandant's office and a Class-C training program was established at the Coast Guard training center in Groton, Connecticut for enlisted sonarmen and aerographers mates to undergo an 8 week training course dealing with oceanographic theory and practical knowledge. A one week cruise to practice the skills was also included in the program. The initial class was held in early/mid 1963. The second class was held during the fall of that same year. Both classes had their training cruises aboard the USCGC Half Moon. The Groton training program was originally staffed by one officer (LCDR Von Wendell Driggers) and one Chief Aerographers Mate (Richard Norris). This team taught the first four classes through the spring of 1964.

The Coast Guard's Oceanographic Unit (CGOU) was established in 1964 at the Washington Navy Yard, Washington DC. It was staffed with CG line officers, military oceanographers, and CG enlisted sonarmen and aerographers that had been trained either aboard icebreakers or in the training program. In 1966, the rating was about evenly split between SO and AG.

In November 1968 the decision was made to create a new rating. The new rating encompassed all of the functions of the old AG rate and the functions done by the "Oceanographic Technicians" as the C-school graduates were known. AGs were converted without a choice. Sonarmen were given the option of converting (lateral at same grade) but had to agree to get basic Weather training as part of the conversion. The rating supported the Coast Guard's growing Marine Science Activities (MSA) program. The MSA included the Ocean Weather Station Programs, Aviation Support Programs, International Ice Patrol, and Polar Ice Operations Program among others.

The name Marine Science Technician was born and the alpha short designation MST caused no small set of problems as at that time all other CG designations were 2 characters.

A chief AG turned MST, Les Wilson and an SO1 turned MST John Murphy were given the task of writing the qualifications for E-4 through E-9 as well as the first set of service wide exams for E-4 thru E-7. This task took 4 weeks in November of 1968. The quals were 50-50 meteorology and oceanography.

A senior LCDR/oceanographer was sent from CGOU (Kennard Palfrey) to the Governors Island training center to replace LCDR Driggers and to get the new rating off the ground.

Five months were spent setting up the program and writing lesson plans, exams, etc. The first class convened in summer (June) of 1969 with 16 students.

All of the converted SOs (24 in number) went through a one time class C meteorology class in spring of 1969. By then we were all MSTs.

In January/February of 1970 a contest was held to pick a rating insignia. SN Joe Torre designed and won the design. He received a \$50 saving bond for his efforts.

The first two A-school classes were held in October and December 1969. By 1982 the MSA program had been largely disestablished. The Commandant decided to retain the

MST rating to perform a mix of "O" (marine science) and "W" (marine environment) work. The MST rating was restructured and management of the rating was transferred from G-OIO to G-WPE. Due to the small size of the rate no warrant officer was created. The billet structure was set up as follows:

Pay Grade	Billets	Percentage
E-9	2	1%
E-8	4	2%
E-7	19	11%
E-6	45	26%
E-5	48	28%
E-4	53	31%
Total	171	

Approximately 90 billets were assigned to MSO/COTP/FOIL duty, 19 on WAGB's and just 6 to air stations. The practical factors for the MST rating were expanded to include marine safety and computer tasks while retaining basic marine science skills.

The continued deemphasis of the MSA program and the growth of marine safety, security and environmental protection activities has tied the MST rating close to the Office of "M". (Through a restructuring at Coast Guard Headquarters, the Offices of "W" and "M" combined to form one Office). The following table illustrates the changing nature of MST duties over time:

Duties	1978	1984	1990	1993	1996
MSA	65%	28%	8%	6%	8%
Marine Safety	14%	54%	68%	77%	84%
Training	9%	5%	4%	4%	4%
R&D	8%	1%	4%	--	--
Mgt/Admin	2%	8%	12%	12%	2%
Recruiting	2%	2%	--	--	1%
Intelligence	--	1%	4%	1%	1%

The duties of the MST rating are described in the Enlisted Qualification Manual (COMDTINST M1414.8 series) as follows:

Marine Science Technicians specialize in managing the functions and operations of the marine safety program. This consists of such duties as pollution investigation, monitoring of federally funded cleanup of oil and chemical spills, boarding foreign and domestic flagged commercial vessels to ensure compliance with U.S. laws and regulations, conducting inspections of commercial facilities to ensure compliance with U.S. laws and regulations, supervising the loading of explosives, monitoring bulk liquid cargo transfer operations, serving as members of the three (3) Coast Guard National Strike Force teams, operating and managing various marine safety computer programs, and serving as watchstanders in the National Response Center, a branch of the Coast Guard Headquarters Command Center. In addition to marine safety duties, they also play an important role as scientific support at Coast Guard Air Stations, the Coast Guard Marine Safety Laboratory, International Ice Patrol and on board Coast Guard Ice Breakers. These duties include weather forecasting, tracking the formation and movement of sea ice, and the fingerprint-type analysis of oil spill samples.

9) The NUMBERS: (as of 01 November 2009)

Regular:

RANK	Allowed	Onboard	Delta
MSTCM	11	11	0
MSTCS	23	23	0
MSTC	149	151	+2
MST1	325	333	+8
MST2	341	371	+30
MST3	369	406	+37
Total	1218	1295	+77

Note: These numbers are based on the ME billets being removed but the members who will lateral 01 January not being removed yet. Bottom line these numbers are a moving target that probably won't look correct for another month or two.

Reserve: As of 06NOV2009

RANK	Allowed	Onboard	Delta
MSTCM	6	12	6
MSTCS	12	16	4
MSTC	68	68	0
MST1	173	92	-81
MST2	235	202	-33
MST3	144	148	4
Total	638	538	-100

Retirements (As of December 2009):

Retirement	MST2	12/2/2009
Retirement	MSTC	4/1/2010
Retirement	MSTC	10/1/2010
Retirement	MSTC	10/1/2010
Retirement	MSTC	9/1/2011
Retirement	MSTCM	9/1/2010

These are active Duty retirements only. I know of no one whom tracks future retirements for Reservists (trust me though I have been asking PSC and RPM).

10) Unit Profile



Sector Key West

Defenders of Paradise

Prevention Department



LCDR Herring — Dept Head
Ltjg Fry—Investigations
Ltjg Pierce – Inspections
MSTC Port/Flag state duty
MST1 Port/Flag state duty
MST2 Contingency Planning
MST3—Port/Flag state duty



Homeport: <http://www.uscg.mil/d7/sectKeyWest>

In Key West we have a unique opportunity to live at the southern most point of the East Coast, 130 miles south of Miami Florida, and less than 100 miles to Cuba.

We are a small group of multi-versatile people willing to continue learning and work together. Our jobs include Pollution investigation and clean up, vessel inspections, Fishing Vessel inspection, Incident Investigations, Facility Oversight, and Waterways management.

For interests outside of work, this is a outdoors paradise. Fishing, diving, and most water sports are the main activities and the water is beautiful, year-round. For other interests, there are museums, Eco-tours, theater, and a plethora of restaurants to choose from. Although isolated from Miami by 130 miles, the 7.4 square mile island offers plenty of shopping and other necessities.

Key West is a seaport destination for many passenger cruise ships. The Key West International Airport provides airline service. Hotels and guest houses are available for lodging. Naval Air Station Key West is an important year round training site for naval aviation due to the superb weather conditions. The central business district primarily comprises Duval Street, and includes much of the northwest corner of the island along Whitehead, Simonton, Front, Greene, Caroline, and Eaton Streets and Truman Avenue. The official city motto is "One Human Family."

11) Final Notes:

I hit a big milestone in my career, for the first time I have done an entire 3 years in a job and I will be tour complete this coming summer. I have had many people ask me what I am planning on doing from here. Funny thing about plans, I actually had several plans but ultimately one that wasn't on my radar is the one that came to be. I have been selected to fill a position in Special Assignments so when I finish this job I will be going out of rating and filling a position at Head Quarters in CG-82. The job sounds very challenging but it has a lot of impact on our organization so I am very excited for the opportunity and I look forward to the new challenge.

Things continue to move forward with the ME rating and for the most part things are moving very smoothly. If you look at "The Numbers" you notice they are a little off but that will straighten out in the very near future. In the end our rating will be better for the billets we gave up and the Coast Guard will be a stronger organization with the new rating.

Keep up the good work out there and please take OA survey as soon as you can and make sure all the other MSTs you know have also completed it.

12) Old School MST:

OLD SCHOOL WEATHER KNOWLEDGE

Submitted by: MST1 Nathan Hatfield, Air Station Kodiak, WX Shop

OLD SCHOOL Weather Trivia!!!!

Easy Question: What winter weather conditions must be met in order for a blizzard to exist?

Hard Question: Which is denser, and therefore "heavier", dry air or moist air?

13) Points of Contact:

Most of these names and numbers are already known, but just in case I am going to add points of contact (that pertain to MST) as part of my Force Notes. Also if there is a hyperlink that is also included:

MST RFMC:

MSTCM R. Shane Hooker (202)372-1342

[CG Central: My Workspace](#) > [Career Management](#) > [Enlisted](#) > [My Ratings](#) > Marine Science Technician (MST)

[MST Rating](#)

MST Detailer:

MSSD2 Jeff Brown

(202)493-1281

http://www.uscg.mil/hq/cgPC/epm/epm-2/AO_Pages/mstao.html

MST Rating Training/ SWE Writer: MSTCM Jim Heard (757)856-2101

MST1 and 2 Course Writer: MSTCS Kim McLoud (757)856-2074
<http://www.uscg.mil/tcyorktown/mSchools/MST/courses.shtm>

MST “A” School Chief: MSTCM Randy Sorge (757)856-2045
MST “A” Assistant School Chief: MSTC Jennifer Ursin (757)856-2083
[MST “A” School Link](#)

MST Hub Manager: MSTC Joseph Dentry (612)752-1871
<http://www.msthub.com/>