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National Marine Electronics Association

FEDERAL COMMUNICATIONS COMMISSION
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AUGUST 16, 1996

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GEORGE DILLON
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 728
WASHINGTON DC 20554

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DEAR GEORGE:

ENCLOSED PLEASE FIND INFORMATION REGARDING THE CERTIFIED MARINE ELECTRONICS TECHNICIAN (CMET) PROGRAM SPONSORED BY THE NATIONAL MARINE ELECTRONICS ASSOCIATION (NMEA).

INCLUDED IS AN APPLICATION FOR NEW CERTIFICATION, APPLICATION FOR RENEWAL AND/OR UPGRADE, AND GUIDELINES FOR CERTIFICATION.

WE ARE IN THE PROCESS OF REVISING THE ENTIRE PROGRAM TO BRING IT UP-TO-DATE WITH TECHNOLOGY AND CHANGES WHICH HAVE TAKEN PLACE IN THE ENTIRE INDUSTRY. THE REVISION WILL ALSO INCLUDE A STUDY GUIDE AND QUESTION POOL. OUR GOAL FOR COMPLETING THIS PROJECT IS JANUARY 1, 1997.

CURRENTLY THE APPLICANT MUST BE SPONSORED BY AN NMEA MEMBER, HOWEVER, WE HAVE BEEN APPROACHED BY SEVERAL MILITARY TEACHING FACILITIES AND SCHOOLS TO CONSIDER CHANGING THIS REQUIREMENT TO ALLOW CERTIFICATION OF MORE TECHNICIANS.

THERE ARE APPROXIMATELY 175 DEALERS IN THE ASSOCIATION AND WE ARE WORKING DILIGENTLY TO GET ALL FCC-LICENSED TECHNICIANS CERTIFIED BY NMEA. WE ARE ALSO WORKING TO INCREASE THE NUMBER OF FCC-LICENSED TECHNICIANS AT NMEA DEALERSHIPS. WE ANTICIPATE THE NUMBER OF CERTIFIED TECHS TO INCREASE WITHIN THE NEXT SIX TO TWELVE MONTHS.

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GEORGE DILLON
AUGUST 16, 1996
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HAVING A POOL OF EDUCATED AND LICENSED TECHNICIANS TO DRAW FROM IN THE MARINE ELECTRONICS FIELD IS AN EVER INCREASING CHALLENGE. RECOGNIZING THIS PROBLEM, NMEA IS WORKING TO INSTITUTE A CERTIFIED MARINE ELECTRONICS TECHNICIAN PROGRAM WITH A UNITED STATES TEACHING FACILITY. WE HOPE THIS ENDEAVOR WILL ENLARGE THE POOL OF QUALIFIED TECHNICIANS AND ENABLE DEALERSHIPS TO HIRE MORE QUALIFIED PERSONNEL WHICH WILL BENEFIT THE ENTIRE MARINE ELECTRONICS INDUSTRY.

IF YOU HAVE ANY QUESTIONS, PLEASE DO NOT HESITATE TO CONTACT ME. NMEA IS VERY INTERESTED IN WORKING WITH THE FCC AND OTHER REGULATORY AGENCIES TO MAKE IMPROVEMENTS IN THE MARITIME INDUSTRY.

BEST REGARDS,

NATIONAL MARINE ELECTRONICS ASSOCIATION

A handwritten signature in cursive script that reads "Cindy Ensley".

CINDY ENSLEY
EXECUTIVE DIRECTOR

/CGE
ENCLOSURES



National Marine Electronics Association

**APPLICATION FOR RENEWAL AND UPGRADE OF
CERTIFIED MARINE ELECTRONICS TECHNICIAN CERTIFICATE**

APPLICANT'S NAME: _____

HOME ADDRESS: _____

PHONE: _____ FAX: _____

PRESENT EMPLOYER: _____

BUSINESS ADDRESS: _____

PHONE: _____ FAX: _____

SUPERVISOR: _____

EMPLOYED FROM: _____ TO: _____

**RETURN THIS APPLICATION WITH YOUR PRESENT CERTIFICATE AND A CHECK
FOR THE APPROPRIATE AMOUNT (MADE PAYABLE TO NMEA) TO:**

NMEA
CMET PROGRAM
P O BOX 3435
NEW BERN NC 28564-3435

RENEWAL FEE:	\$10.00
UPGRADE FEE:	\$15.00
UPGRADE & RENEWAL FEE:	\$25.00

**BE SURE AND FILL OUT THE BACK OF YOUR CERTIFICATE AND MAKE A COPY
FOR YOUR FILES BEFORE MAILING.**

THIS APPLICATION MAY BE DUPLICATED.

3/20/96



National Marine Electronics Association

APPLICATION FOR CERTIFIED MARINE ELECTRONICS TECHNICIAN

APPLICANT'S NAME: _____

ADDRESS: _____

HOME PHONE: _____

BIRTHDATE: _____ SOCIAL SECURITY NO: _____

*****EMPLOYMENT INFORMATION*****

PRESENT EMPLOYER: _____

ADDRESS: _____

WORK PHONE: _____ WORK FAX: _____

DATES OF EMPLOYMENT: _____

PREVIOUS EMPLOYMENT: _____

ADDRESS: _____

DATES OF EMPLOYMENT: _____

*****EDUCATION*****

HIGH SCHOOL _____

ADDRESS: _____

DATES OF ATTENDANCE: _____ GRADUATE: YES NO

TECHNICAL SCHOOL: _____

ADDRESS: _____

DATES OF ATTENDANCE: _____ GRADUATE: YES NO

COLLEGE: _____

ADDRESS: _____

DATES OF ATTENDANCE: _____ GRADUATE: YES NO

APPLICANT'S SIGNATURE: _____

DATE OF APPLICATION: _____

FCC LICENSE NUMBER: _____ RADAR ENDORSEMENT: YES NO



National Marine Electronics Association

EMPLOYER CERTIFICATION FOR _____ :
(APPLICANT'S NAME)

I CERTIFY THAT I AM FAMILIAR WITH THE TECHNICAL COMPETENCE OF THE APPLICANT AND THAT HE/SHE HAS DEMONSTRATED PROFICIENCY IN THE SERVICE AND REPAIR OF THE CLASS OF EQUIPMENT REQUIRED TO QUALIFY HIM/HER TO BE AWARDED THE _____ CLASS OF CERTIFICATION (CMET, ACMET, SGMET) IN ACCORDANCE WITH THE REGULATIONS OF THE NATIONAL MARINE ELECTRONICS ASSOCIATION.

COMPANY: _____

NAME: _____

TITLE: _____

MAIL APPLICATION WITH FEE OF \$25 TO:

NATIONAL MARINE ELECTRONICS ASSOCIATION
P O BOX 3435
NEW BERN NC 28564-3435

APPLICATION REVIEW ACTION
(FOR OFFICE USE ONLY)

	DATE	INITIAL
APPLICATION RECEIVED.....	_____	_____
FEE RECEIVED.....	_____	_____
REVIEW BY EXECUTIVE DIRECTOR.....	_____	_____
SENT TO REVIEW COMMITTEE.....	_____	_____
APPLICATION REVIEW BY COMMITTEE:		
APPROVED.....	_____	_____
REJECTED.....	_____	_____
HELD FOR FURTHER INFO/REVIEW.....	_____	_____
APPLICATION NUMBER.....	_____	_____
EXAM ADMINISTERED.....	_____	_____
EXAM GRADE.....	_____	_____
CERTIFICATE NUMBER AND GRADE.....	_____	_____
APPLICANT NOTIFIED.....	_____	_____
EMPLOYER NOTIFIED.....	_____	_____



National Marine Electronics Association

CMET PROGRAM GUIDELINES

1. THERE ARE THREE GRADES OF CERTIFIED MARINE ELECTRONIC TECHNICIANS: CMET, ADVANCED CMET, AND SENIOR CMET.
2. THE QUALIFICATION REQUIREMENTS ARE:

CMET

THE GRADE OF CERTIFIED MARINE ELECTRONICS TECHNICIAN (CMET) MAY BE EARNED AS FOLLOWS:

- HOLD A GENERAL RADIOTELEPHONE OPERATOR LICENSE (OR HIGHER) WITH RADAR ENDORSEMENT.
- HAVE 1 YEAR WORKING AS A TECHNICIAN IN THE MARINE ELECTRONICS INDUSTRY AND BE SPONSORED BY AN NMEA MEMBER.
- PASS THE NMEA CMET EXAMINATION.
- CERTIFICATION OF THE EMPLOYER AS TO HIS/HER PROFICIENCY IN THE REPAIR OF THE FOLLOWING BASIC MARINE EQUIPMENT:
 - A. RADAR (BASIC)
 - B. VOICE SSB
 - C. VHF
 - D. DEPTH SOUNDERS
 - E. AUTO PILOTS

ADVANCED CMET

- THE GRADE OF ADVANCED CERTIFIED MARINE ELECTRONICS TECHNICIAN (ACMET) MAY BE EARNED AS FOLLOWS: HOLD OR MEET ALL THE REQUIREMENTS FOR HOLDING A CMET CERTIFICATE.
- HAVE THREE YEARS EXPERIENCE WORKING AS A TECHNICIAN IN THE MARINE ELECTRONICS INDUSTRY AND BE SPONSORED BY AN NMEA MEMBER.
- SATISFACTORILY COMPLETE A FACTORY TRAINING COURSE OR HAVE HIS/HER EMPLOYER ATTEST TO HIS/HER PROFICIENCY IN REPAIRING THE FOLLOWING ADVANCED EQUIPMENT:

- A. LORAN C
- B. TRACK PLOTTER FOR LORAN C
- C. SATELLITE NAVIGATION RECEIVER
- D. GYRO COMPASS SYSTEMS
- E. COLLISION AVOIDANCE RADAR
- F. SITOR RTTY SYSTEMS
- G. IMMARSAT COMMUNICATION SYSTEMS

NOTE: DEPENDING ON THE AREA OF OPERATION, ALL DEALERS DO NOT HAVE THE NEED OR OPPORTUNITY TO SERVICE ALL OF THE ABOVE EQUIPMENT. THEREFORE, ONE OR MORE OF THE EQUIPMENT LISTED MAY BE WAIVED BY THE CERTIFICATION COMMITTEE UPON A SHOWING THAT THE APPLICANT HAS A THOROUGH WORKING KNOWLEDGE OF THE SYSTEM BUT HAS NOT HAD THE OPPORTUNITY TO ACTUALLY WORK WITH THE EQUIPMENT.

SENIOR CMET

THE GRADE OF SENIOR CERTIFIED MARINE ELECTRONICS TECHNICIAN (SCMET) MAY BE EARNED AS FOLLOWS:

- HAVE 10 YEARS EXPERIENCE WORKING AS A TECHNICIAN IN THE MARINE ELECTRONICS INDUSTRY AND BE SPONSORED BY AN NMEA MEMBER.
- HOLD OR MEET ALL THE REQUIREMENTS FOR HOLDING AN ACMET CERTIFICATE.
- BE RECOMMENDED BY HIS/HER NMEA MEMBER EMPLOYER.
- APPROVED BY THE MAJORITY VOTE OF THE CERTIFICATION COMMITTEE.

3. NEW CMET APPLICANTS (ALL GRADES) MUST BE SPONSORED BY AN NMEA MEMBER, TAKE AN EXAMINATION, AND MEET THE OTHER REQUIREMENTS. (IF THE APPLICANT'S SPONSOR IS NOT AN NMEA MEMBER, THE TECHNICAL COMPETENCE PROVISION ON THE APPLICATION MUST ALSO BE SIGNED BY AN NMEA MEMBER.)

4. NEW CMET APPLICANTS MAY OBTAIN AN APPLICATION FROM THE COGNIZANT REGIONAL DIRECTOR. UPGRADE AND RENEWAL FORMS ARE AVAILABLE FROM THE NATIONAL OFFICE.

5. CMET APPLICANTS SHALL SUBMIT THEIR APPLICATION TO THE EXECUTIVE DIRECTOR ALONG WITH A \$25 CHECK (MADE OUT TO NMEA.)

6. THE APPLICANT SHALL INCLUDE A COMPLETELY FILLED-OUT APPLICATION, WITH ATTACHED SUPPORTING INFORMATION INCLUDING A COPY OF HIS/HER FCC LICENSE WITH RADAR ENDORSEMENT.

7. UPON RECEIPT OF A COMPLETED APPLICATION THE EXECUTIVE DIRECTOR WILL FORWARD THE NEW APPLICATION TO THE CMET COMMITTEE FOR REVIEW. ONCE APPROVED BY THE CMET COMMITTEE AN EXAM PACKAGE WILL BE MAILED TO THE COGNIZANT REGIONAL DIRECTOR.

8. THE EXAM PACKAGE WILL INCLUDE A NUMBERED ANSWER SHEET AND A NUMBERED EXAM.

9. THE APPLICANT AND THE EXAMINATION SUPERVISOR WILL BE ASKED TO SIGN THE EXAM.

10. THE EXAM SHOULD NOT BE COPIED OR LEFT UNCOVERED. IF THE APPLICANT FAILS TO TAKE THE EXAM IT MUST BE RETURNED TO THE EXECUTIVE DIRECTOR.

11. THE COMPLETED EXAM PACKAGE WILL BE RETURNED TO THE EXECUTIVE DIRECTOR FOR GRADING.

12. SUCCESSFUL APPLICANTS WILL RECEIVE THEIR CMET CERTIFICATE AND TWO SHOULDER PATCHES FROM THE NATIONAL OFFICE ALONG WITH A COMPLIMENTARY SUBSCRIPTION TO "MARINE ELECTRONICS" JOURNAL.

13. ADDITIONAL SHOULDER PATCHES WILL BE AVAILABLE TO QUALIFIED TECHNICIANS IN LIMITED QUANTITIES, FOR \$5 EACH.

14. CMET CERTIFICATES WILL BE VALID FOR A PERIOD OF THREE YEARS, AT WHICH TIME THEY MAY BE RENEWED. RENEWAL NOTICES WILL BE SENT BY THE NATIONAL OFFICE.

15. TO RENEW, THE CMET CERTIFICATE HOLDER WILL SEND THE CERTIFICATE TO NATIONAL NMEA HEADQUARTERS (INCLUDING THE "SERVICE RECORD" DETAIL ON THE BACK), ALONG WITH A RENEWAL FEE OF \$10.

16. REVALIDATED CERTIFICATES WILL HAVE A NEW SEAL AFFIXED, INDICATING THE NEW EXPIRATION DATE.

17. TO UPGRADE, THE APPLICANT WILL FILL OUT A CMET RENEWAL/UPGRADE FORM, ATTACH ALL SUPPORTING DOCUMENTATION, INCLUDE A CHECK FOR \$15 (UPGRADE FEE), AND SEND IT TO THE EXECUTIVE DIRECTOR, ALONG WITH THE ORIGINAL COPY OF HIS/HER PRESENT CERTIFICATE.

18. UPON ACCEPTANCE, THE UPGRADE APPLICANT WILL RECEIVE A NEW CERTIFICATE, AND A NEW ARM PATCH REFLECTING THE NEWLY ATTAINED GRADE.