Guidelines for Satisfying Coursework Deficiencies

Instructions: Only two course deficiencies can be satisfied in this  
manner and only one in each area (A-Fisheries/Aquatics; B-Other  
Biological Sciences; C-Physical Sciences; D-Quantitative  
(Mathematics/Statistics); E-Communications; and F-Human  
Dimensions. To satisfy a single course deficiency, three (3) out of  
items (I-IV) must be checked.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course  
Deficiency:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I. Letter from supervisor that directly alludes to specific deficiency and  
comments on the proficiency of the applicant in that area (i.e.,  
statistics, communications, fisheries, etc.).

II. Add two years to the existing experience requirement (Ph.D. - 2  
years; M.S. - 4 years; B.S. - 5 years) for each course deficiency.

III. Applicant must list the following to satisfy a deficiency in the  
stated coursework area (papers must be submitted with the  
application). Applicant must be the senior author of at least one  
manuscript.

A. Fisheries/Aquatic Sciences  
A1. Author of two (2) published (published paper, book, D-J report)  
manuscripts dealing with fish (ecology, management, ichthyology,  
toxicology, behavior, physiology, etc.). At least one manuscript must  
be in a refereed journal.

B. Other Biological Sciences  
B1. Published two (2) manuscripts that deal with renewable aquatic  
resources. At least one manuscript must be in a refereed journal.

C. Physical Sciences  
C1. Published two (2) manuscripts that involve physical sciences  
(chemistry, physics, geology or hydrology.). At least one manuscript must be  
in a refereed journal.

D. Quantitative (Mathematics/Statistics)  
D1. Published two (2) manuscripts that have made statistical  
inference. At least one manuscript must be in a refereed journal.

E. Communications  
E1. Published two (2) manuscripts, one in a refereed journal and;

E2. Presented two (2) presentations; at least one must be a technical  
presentation at a scientific meeting.

F. Human Dimensions  
F1. Published two (2) manuscripts that must be focused on socio-  
economic topics of natural resource science and management,  
preferably those issues and aspects that directly pertain to fisheries  
management. At least one manuscript must be in a refereed journal.

1V. Letter to the Board of Professional Certification from a colleague  
(of the applicant) who is a Certified Fisheries Professional and is not  
the applicant's supervisor that directly addresses the specific  
coursework deficiency and how that deficiency has been satisfied.