Chapter 7

QUOTA MODEL

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A. General Information

The Postgraduate Education Model was developed in 1975 to determine and control, by prediction, short and long range graduate education requirements. The model was upgraded and modified in 1994 and 1999. Further modifications have been made recently to include addition/removal of designators and revisions to the subspecialty coding system.

The model is run annually for all Navy funded graduate education based on validated billets requiring a subspecialist with graduate level skills.

The model derives graduate education quotas by community (unrestricted line, restricted line and staff corps) and subspecialty for each graduate education curriculum. The goal is to reach a steady state for all curricula, thus eliminating large fluctuations in student inputs and making the most efficient use of graduate educated officers. The model is designed to assume that all quotas generated will be filled at the right time and that coded officers will be utilized at every opportunity.

The general data used in the current model is extracted from the Officer Master File and TFMMS (officer billet files). Current billet authorized requirements and inventories of subspecialty-coded officers are used as a database.

The Quota Model is run annually to establish the following fiscal year’s student inputs. The model is used as a base when establishing funded quotas at the Quota Conference.

B. Computer Simulation Model Used for Computing Postgraduate Education Quotas

![Diagram of the Computer Simulation Model]

- **Inputs**: Billet Requirements, Officer Inventory
- **Applies Factors**: Availability, Utilization, Rotation, Program Length, Funded IA
- **Output**: Quotas, Develops Quotas by: Community, Subspecialty