Logistics Definitions

- CSCMP
- Ballou, Glaskowsky, Lambert, etc
- DOD
  - The science of planning and carrying out the movement and maintenance of forces. In its most comprehensive sense, those aspects of military operations that deal with:
    - a. design and development, acquisition, storage, movement, distribution, maintenance, evacuation, and disposition of materiel;
    - b. movement, evacuation, and hospitalization of personnel;
    - c. acquisition or construction, maintenance, operation, and disposition of facilities; and
    - d. acquisition or furnishing of services.
Education and Training

Graduate:
- PhD
- MBA
- MS
- MA
- JD

Undergraduate:
- Engineering
- Business
- Math
- Computer Science
- Others

Performance

Executive Education:
- Specialized
- General-Executive
- SCM
- Logistics

Training:
- Specialized
- SCM
- Logistics
- Forecasting
- Requirements
- Contracts
- ERP
- ETC.

Non-degree
People Needs—Our Needs

Future Needs

--Logistics expert

--OK with uncertainty

--Global perspective

--Decisions with minimal info
Logistics Education

• CENTER FOR JOINT AND STRATEGIC LOGISTICS NDU
  – Vision—create premier education center with ability to provide analysis to improve joint and strategic logistics education, expertise, and competence throughout the Defense, interagency, and multinational communities
  – Mission—develop leaders who understand and employ the “force multiplying effect” of joint and strategic logistics. Center attributes:
    • SCM Oriented—Insightful—Unbiased—Dispassionate/Analytical

• ICAF Supply Chain Management Concentration Program
Mission…..to prepare selected military and civilians for strategic leadership and success in developing our national security strategy and in evaluating, marshalling, and managing resources in the execution of that strategy.

Educating Future Logisticians
Industry Fellows AY 08-09

- BAE Systems
- Battelle
- Boeing
- CSC (Computer Sciences Corporation)
- EADS
- Harris Corporation
- IBM
- KPMG
- L-3 Communications
- LMI (Logistics Management Institute)
Future Needs

- Logistics expert
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Simple EOQ w/Variable Lead Times

- Average lead time, $AVGL$
- Standard deviation, $STDL$.
- Reorder Level, $R$:

$$R = AVG \times AVGL + z \sqrt{AVGL \times STD^2 + AVG^2 \times STDL^2}$$

Amount of safety stock = $z \sqrt{AVGL \times STD^2 + AVG^2 \times STDL^2}$

Order Quantity = $Q = \sqrt{\frac{2K \times AVG}{h}}$