

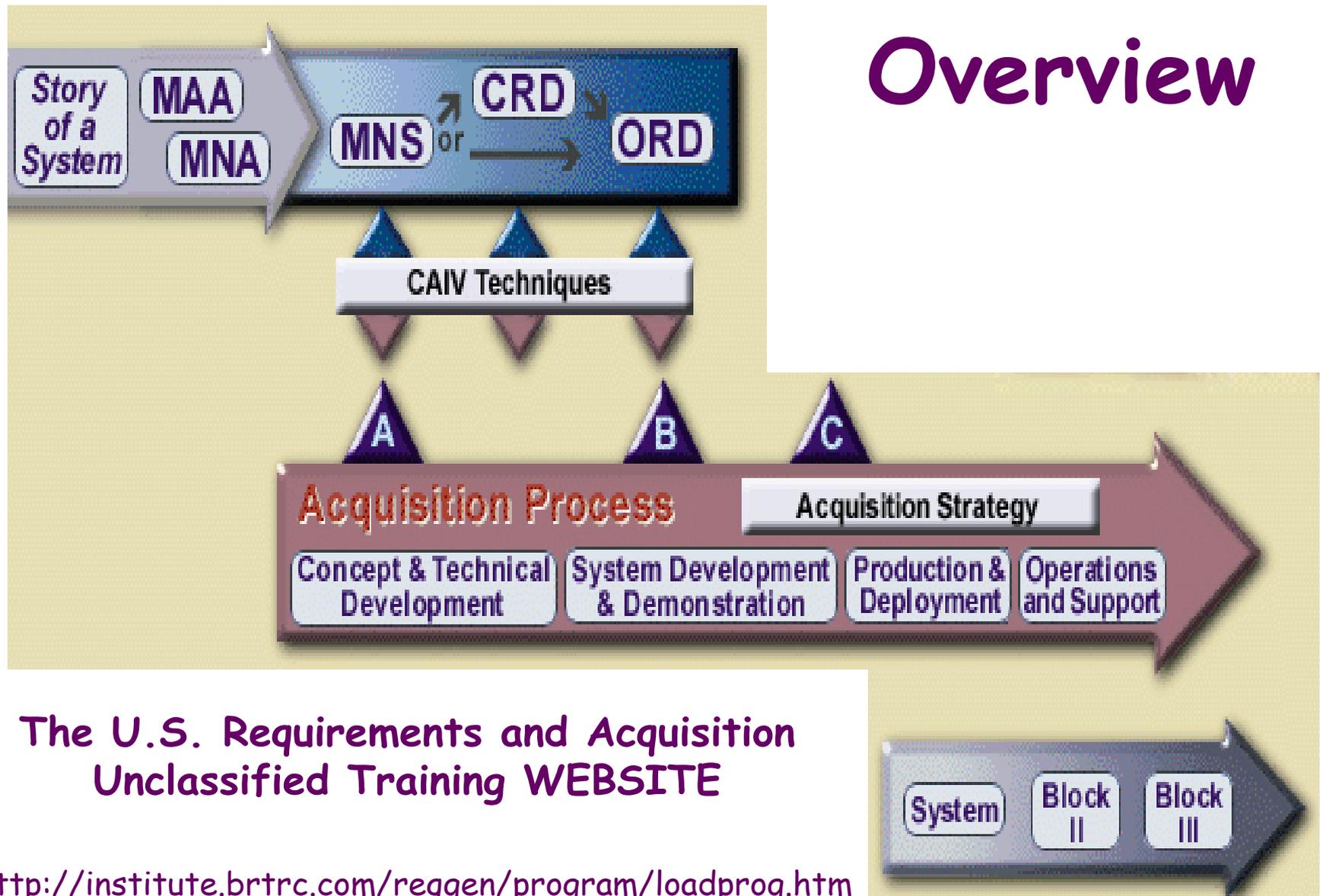
# U.S. Requirements and Acquisition Systems

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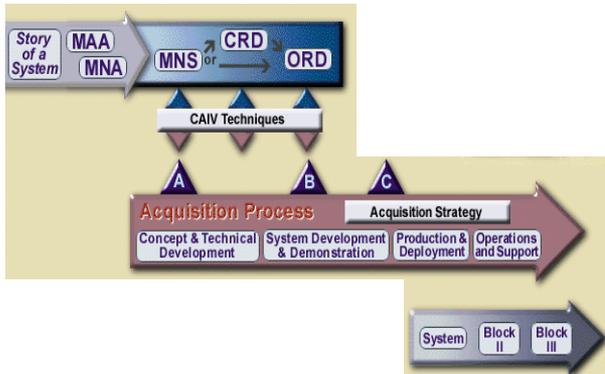
Capt. Kevin Peppe

# Overview



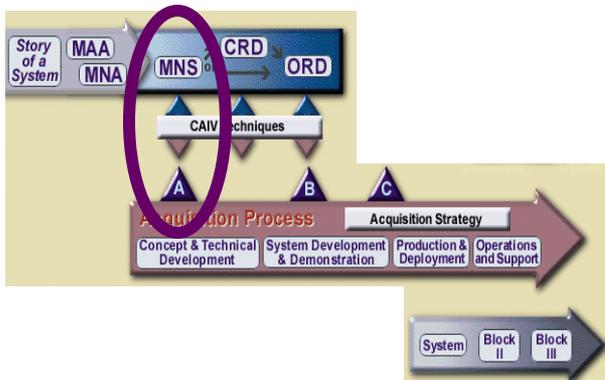
The U.S. Requirements and Acquisition  
Unclassified Training WEBSITE

<http://institute.brtrc.com/reqgen/program/loadprog.htm>



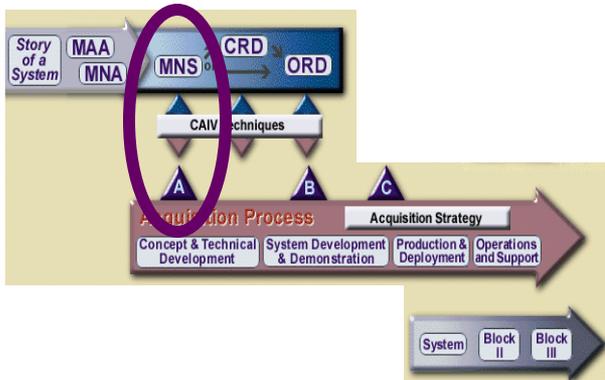
# Department Policy

- All U.S. warfighting requirements will be developed jointly, with potential inter-agency and multi-national partners in mind
- Warfighting requirements will be developed through a spiral or evolutionary process in order to
  - minimize the technological risks and,
  - rapidly field new technology and,
  - provide best return on money spent



# Some Theory...

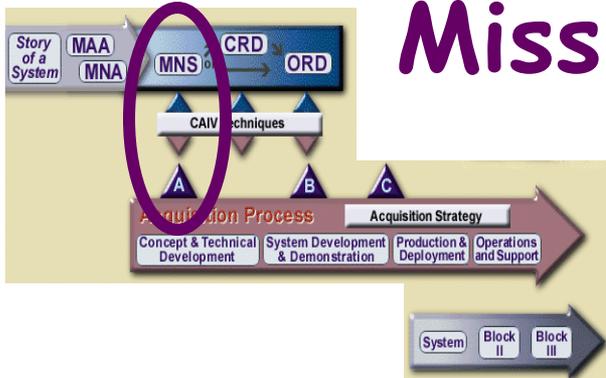
- Requirements are generated based on the early identification of capability shortfalls likely on, over, and above the battlespace of the future
- These requirements will be Joint-Centric
  - Developed in consideration of the optimal solution irrespective of service, agency, or international partner



## ..and Practice

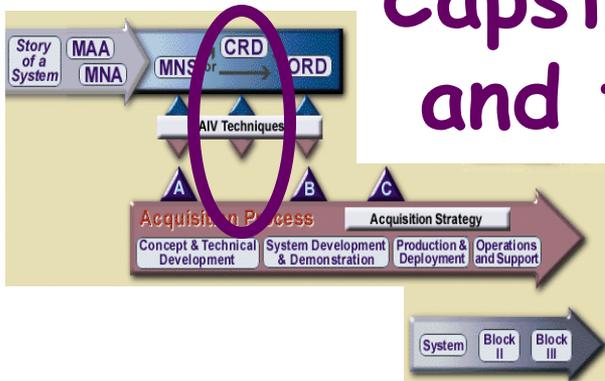
- Requirements are generated based on the planned retirement of current weapons systems
  - Effort underway within DoD to shift to capabilities deficit planning
- Requirements are generated in a Service Centric vice Joint-Centric fashion
  - Each Service competes to deliver its particular system solution in advance of the others
  - This too is the subject of on-going DoD efforts to redress

# Mission Need Statement and Acquisition Milestone A



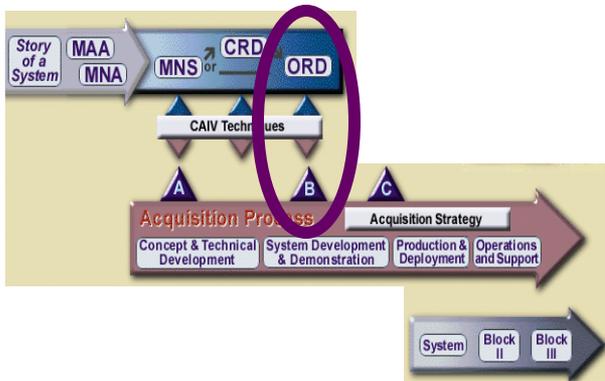
- MNS is a broad statement (five pages or less) of a warfighting need critical to military success (e.g., Suppression of Enemy Air Defense, Sea Control).
- MNS is approved by the JROC and considered by the Defense Acquisition Board.
- DAB approval of the MNS allows entry into the Concept and Technology Development Phase,

# Capstone Requirements Document and the Concept and Technology Development Phase



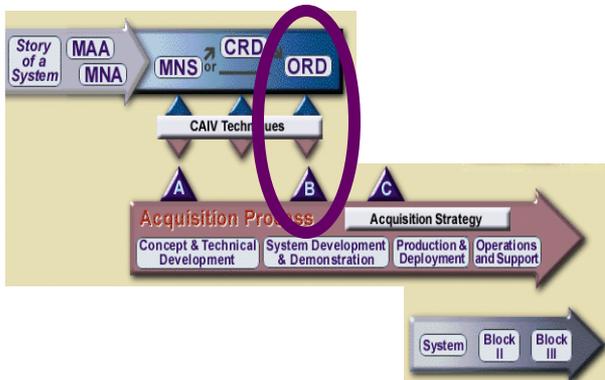
- During the Concept and Technology Development Phase a wide variety of possible warfighting solutions to the established MNS are examined through a formal Analysis of Alternatives.
- In some cases this analysis will indicate a family of systems solution set
  - Perhaps a combination of intelligence, strike, and logistics systems required.
- In this event a CRD will be developed and validated by the JROC

# Operational Requirements Document and Acquisition Milestone B

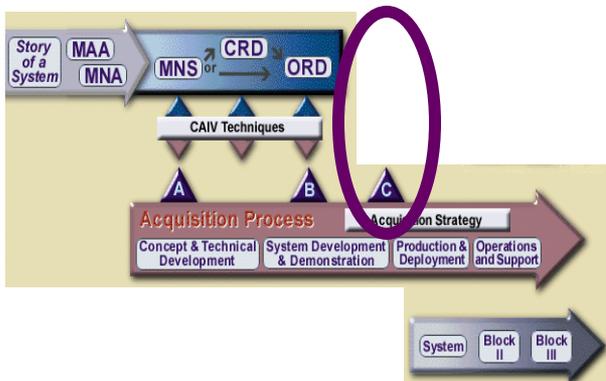


- At the end of the Concept and technology demonstration phase the need for material solution to the warfighting need will be determined.
- If such a need exists, an ORD will be written specifying in detail the requirements of that system
  - If a requirement is considered so essential that failure to satisfy that requirement would force a go/no-go decision, that requirement is called a key performance parameter and is changed only by direction of the JROC

# Operational Requirements Document and Acquisition Milestone B (continued)



- When the JROC approves an ORD, it is then sent to the DAB for acquisition Milestone B consideration.
- A successful Milestone B consideration by the DAB means that the ORD will be translated into a Acquisition Program Baseline and procurement funding is made available.
- This period is characterized by the Research and Development necessary to field a modern weapons system at the lowest price.

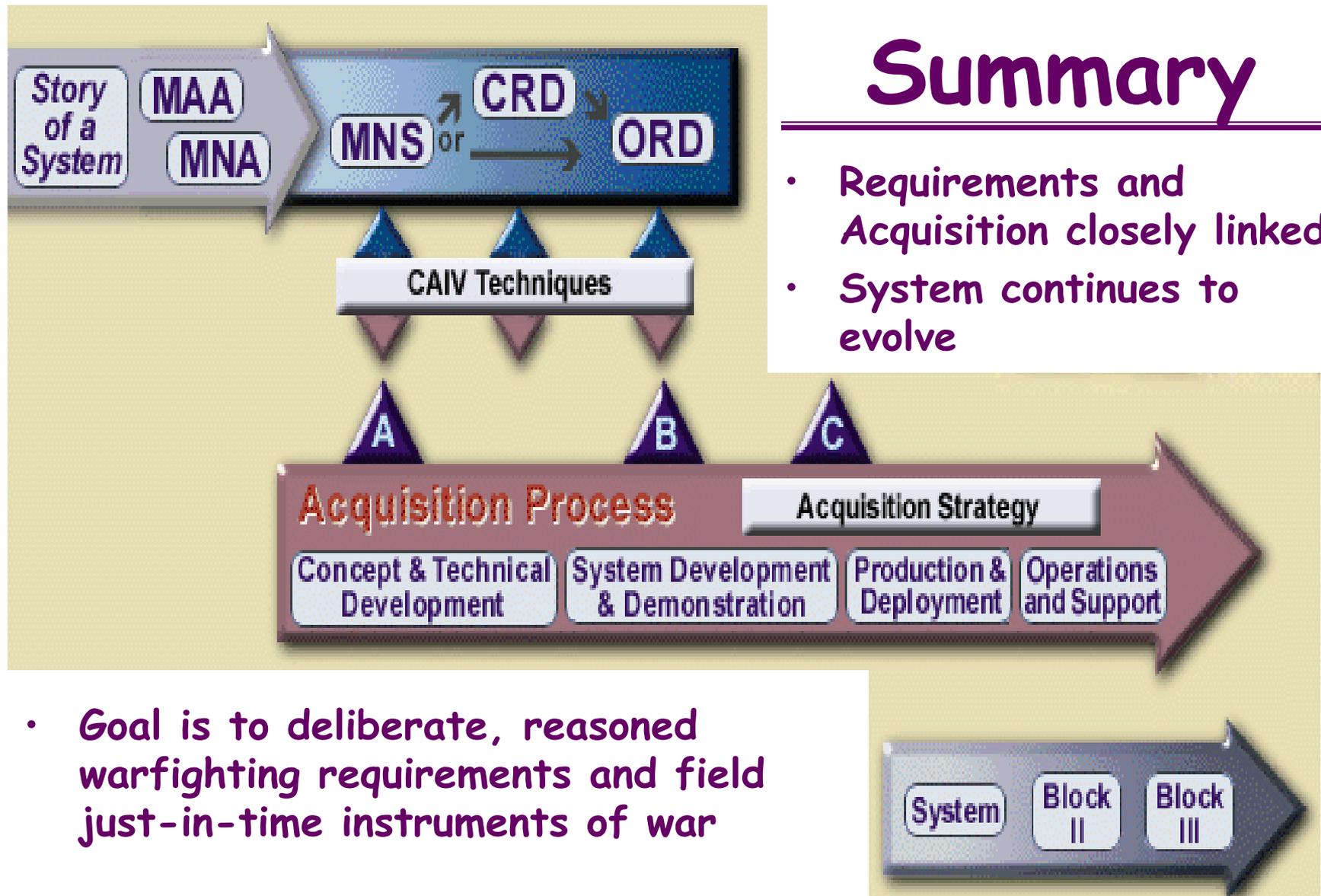


# Production Decision and Milestone C

- Following system development the weapon system best suited to satisfy the original warfighting requirement goes to the JROC for final validation.
- If the JROC determines the military requirement is unchanged and the proposed system solution satisfies the requirement, it will forward the final ORD to the DAB.
- On recommendation by the JROC and a similar determination, the DAB will direct system production or Milestone C

# Summary

- Requirements and Acquisition closely linked
- System continues to evolve



- Goal is to deliberate, reasoned warfighting requirements and field just-in-time instruments of war