

# **MANPRINT Update**

for the  
MANPRINT Practitioners' Workshop

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# MANPRINT Update

- MANPRINT Mission
  - Identify MANPRINT issues for mitigation
    - During development
    - In the MANPRINT Assessment (MA)
- My Personal Goals
  - Use the MA to assign appropriate rating
  - Give as few REDs in the MA as possible
- These goals appear to be in conflict---But they can be resolved!

# MANPRINT Update

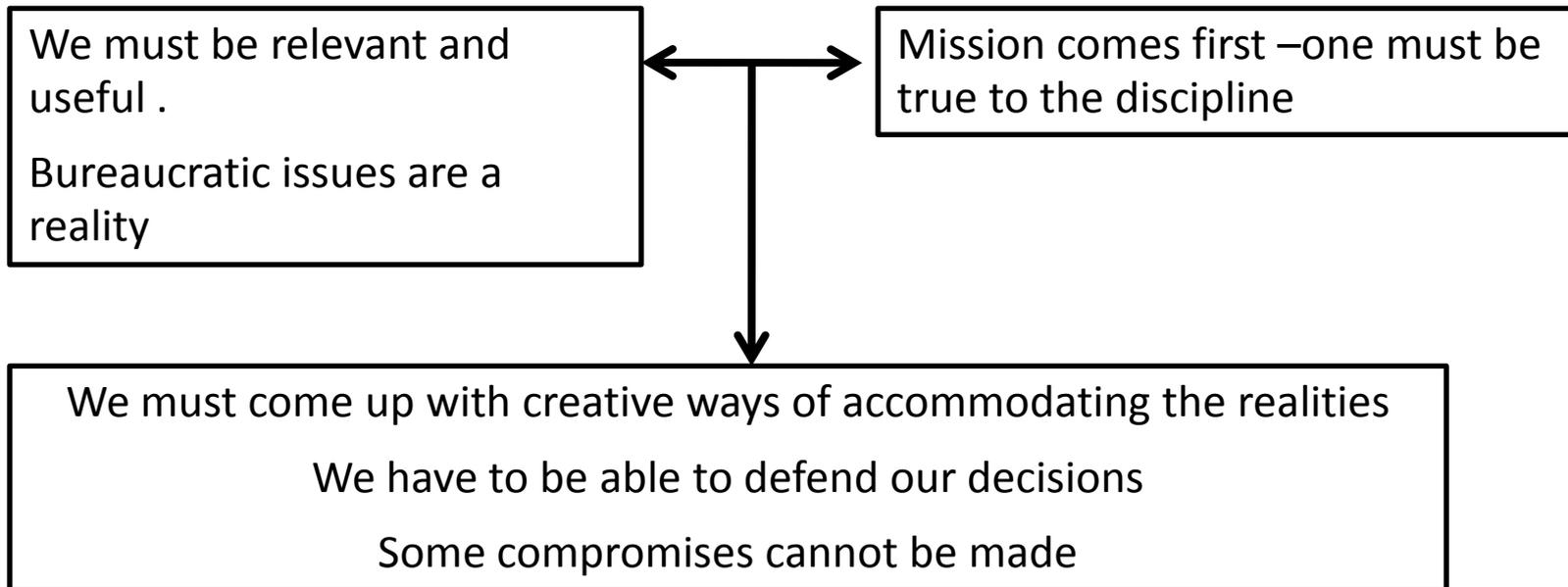
- My role
  - I approve and sign the final MA
  - I attend the 2-star OIPT (held before Milestone decisions) and make the case for MANPRINT
  - I attend the 4-star ASARC (for the G-1) to approve Milestones
- PM's role
  - Focused on ensuring that OIPTs and ASARCs run smoothly
  - They consider MAs and MANPRINT feedback as both helpful and as potential roadblocks

# MANPRINT Update

- MANPRINT Assessments of systems
  - **Green**– all OK
  - **Amber**– problems, but not serious enough to stop the program
  - **Red**– stop the program until this is fixed
- But Program Managers are concerned mostly with performance, cost and time.
- Why attend to **Amber** issues?
- How many **Ambers** add up to a **Red**?

# How I see My Job

- HSI is not practiced in a vacuum – no neat formulas
- Use the tools available, but also consider our confidence in the tools
  - How valid are the standards?
  - What proportion of the variance in performance can be accounted for?
  - Using the signal detection paradigm— is the recommendation based on “detection of signal” or “choice of criterion”?

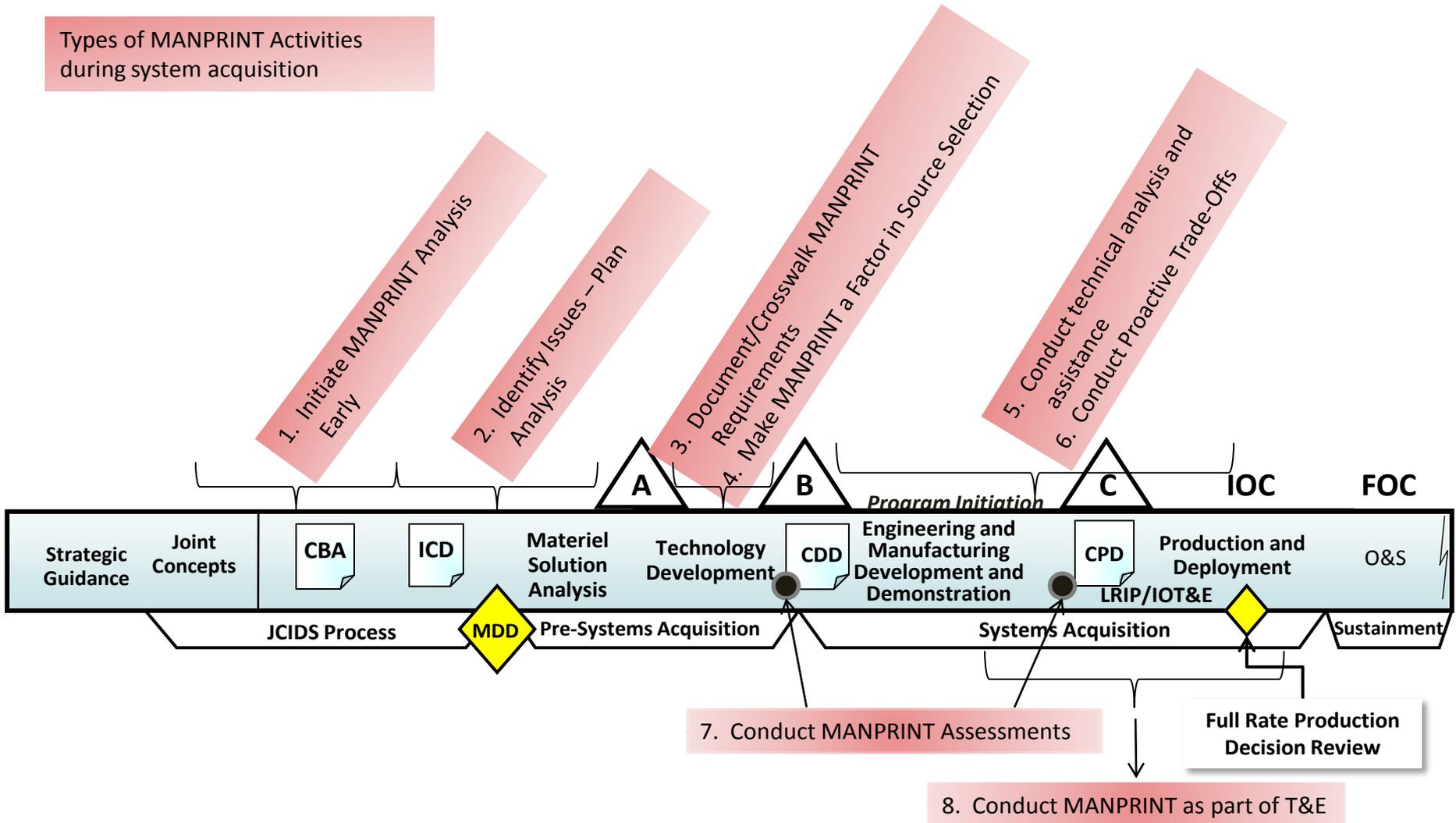


# MANPRINT Update

- Resolving the conflict
  - More effort must be expended to “identify and mitigate” MANPRINT problems outside of the MANPRINT Assessment.
  - The “identify and mitigate” process has largely been performed by domain agency MANPRINT practitioners.
- But, the MANPRINT Directorate can be great help in this process

# Defense Acquisition Management System Life Cycle and MANPRINT Analysis/Technical Tenets Overlay

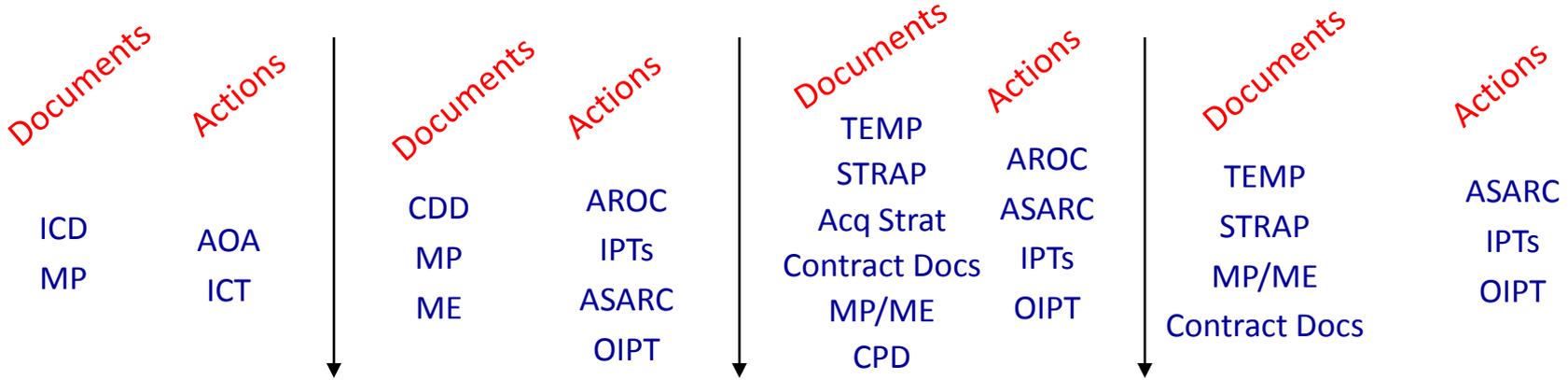
Types of MANPRINT Activities during system acquisition



◆ = Decision Point    ▲ = Milestone Review    ● = MANPRINT Assessment

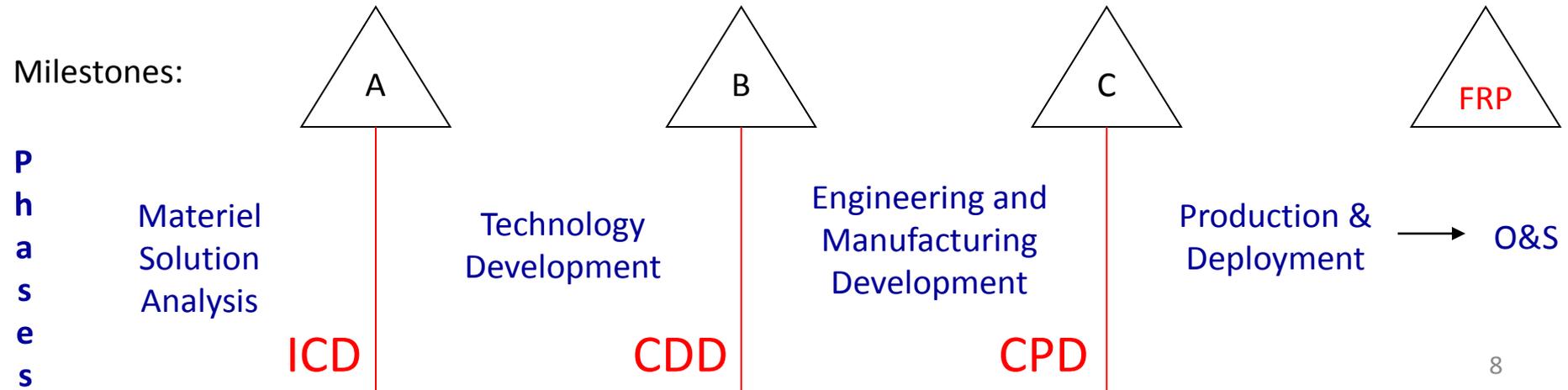
# MANPRINT In System Acquisition

Assistance



→ Soldier-Oriented Research & Development → Soldier-Oriented Studies

Assessment : MANPRINT Assessment I      MANPRINT Assessment II      MANPRINT Assessment III



# MANPRINT Update

How can the MANPRINT  
Directorate help with  
MANPRINT problems  
outside of the MANPRINT  
Assessment?

# DoDT&E Report to Congress

"Based upon analyses of the results from the LUT [limited user test] and development testing, DOT&E's current assessment of the ... systems is that none have demonstrated an adequate level of performance to be fielded to units and employed in combat," according to a copy of the report obtained by Congress Daily. "All of the systems require further development in order to meet threshold user requirements."

# DoDT&E...

In one case, testing of a small, unmanned aerial vehicle revealed that the aircraft, built by Arizona-based Honeywell Aerospace, can be seen four kilometers away and heard two kilometers away, making it a poor platform for stealthy reconnaissance and surveillance work.

The "reliability and durability of the aircraft continues to be poor," the report said.

# DoDT&E...

Issues with the systems have resonated within the highest levels of the Pentagon, where senior officials are watching the Army's management of the program closely.

In a memo last month giving the Army the go-ahead to begin limited production of the systems, Pentagon acquisition chief Ashton Carter acknowledged that user testing has identified "large reliability shortfalls." Carter added he is "cognizant of the risks of this program."