

# Single or Limited Production

Jack Galuardi

# Team Members

- Name – Organization
- Jack Galuardi – APT Corp.
- David Karr – Air Force
- Frank Pearce – Naval Sea Systems
- Robert Adams – SPAWAR
- Lisa Coleman – Lockheed Martin
- Tony Corpuz – Lockheed Martin
- Chris Alberg – ONR

# Feedback on New Chapter

- Team assessment of New Chapter
  - Value added: Yes
    - Frequently asked if MRAs are needed for these products
- Single or Limited Systems Section
  - Value added: Yes
  - Acceptable as is: No
    - If No; What needs to change – see below
  - General Comments/ Observations
    - Need to better define Single or Limited
      - Quantities, Uniqueness,
    - Add to first paragraph why do MRAs on these products (need a reason)
      - Many threads still apply
      - Even with one unit there may be a large quantity of same components in one unit (ex. A radar)
    - Consider adding TAA and BAA compliance (buy American) to Supply Chain Risk Management Users Guide section

# Feedback on New Chapter

- Single or Limited Systems Section
  - General Comments/ Observations
    - Ship awarded after CDR much not designed at that point
    - Design Budgets used (specify parameters for this “box”)
    - Must treat Large scale (ship) need to be approached as SOS
      - Must assess all the “systems” that lead to the CDR event at MS A
      - Manufacturing requirements understood
    - Problem is how “open” is the architecture (it depends)
    - Problem is an increasing reliance with COTs but no choice
    - Introduction you have to look at the product realize that whether a ship or satellite separate
      - Tech mod update (focus on the upgrades risk)
      - Next gen everything control risk at MS A (MRAs for all)
    - Authorization to proceed requires higher level MRL of lower level components

# Feedback on New Chapter

- Recommended Actions
  - Split into sections with some elements for ships some for satellite
  - Work better definition of Single or Limited to include:
    - In cases where the first unit becomes operational.
  - Add language for use of simulations to achieve higher MRLs
    - potentially building full scale subsystems – not part of the ship systems
  - Expand discussion of maturity of lower levels re: authorization to proceed

# Feedback on Proposed Matrix Change

## STE/SIE Validation

- Team Assessment of proposed changes
  - Value added: Yes
  - Acceptable as is: No
    - If No; What needs to change
  - General Comments/ Observations
    - Included in Mfg plan collected inputs with evidence as a part
      - Is the language calling for separate plan required?
    - Does the equipment validate the product is most important
      - Important to assure occurrence
  - Recommended Actions
    - Require evidence
    - Incorporate comments in Users Guide that a separate CDRL is not required
    - Change MRL 8 from “plan” to “plans”

# Other Recommended Changes

- Matrix
- Deskbook
  - Provide specific guidance to programs on COTS with respect to Configuration Management (TDP) and Sustainment
- Users Guide
  - Consider adding TAA and BAA compliance (buy American) as part of Supply Chain Risk Management section and incorporate into early plans

# Summary

- ✓ Workshop value
- ✓ Team assessment of New Chapter
- ✓ Team assessment of proposed Matrix Change
- ✓ Other Recommended Changes
  - ✓ Deskbook
  - ✓ User Guide
- ✓ Other comments