



MIL STD 881C Update

Status Brief to NDIA IPMD

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Appendices

- What we are changing:
 - *Aircraft Systems*
 - *Electronic Systems*
 - *Missile Systems*
 - *Ordnance Systems*
 - *Space Systems*
 - *Surface Vehicle Systems*
 - *Unmanned Aircraft Systems*
 - *AIS Systems*
 - *Common WBS Elements*
- What we are not changing:
 - *Sea Systems*
 - *Unmanned Maritime Systems*
 - *Launch Systems*

Aircraft Systems

- Merge Appendix A - Aircraft Systems and Appendix H - Unmanned Aircraft Systems
- Large amount of commonality
- Modify definitions to reflect this merger
- Concerns
 - *Definitions lack detail*
 - *Understanding Ground Systems*

Electronics Systems

- No change to structure or definitions
- Only change associated with software
 - *Consider eliminating “Product Engineering”*
 - *Consider description which refers to “Agile development”*
 - *Consider changing “Release” to “Build” or something equivalent – same title in Agile*
- Concerns
 - *Details for all electronic systems (Radar, Comm, Nav, EW, etc.)*



Missile Systems

- Merge Appendix C - Missile Systems and Appendix D - Ordnance Systems due to commonality
- Proposal to breakout Strategic (ICBM) missiles into separate Appendix
- Large amount of commonality
- Strategic Missile under construction (MDA vs AF)
- Concerns
 - *Launch systems vs Launch and Command*
 - *Agreement of structure/definitions for Strategic missile*
 - *Understanding Ground Segment or System requirements*



Sea Systems

- No change to structure or definitions
- Need to ensure extended SWBS is available
- EVM vs Cost Estimating still an issue
- Concern
 - *DoD requirements for reporting may demand new WBS*

Space Systems

- Updating structure to account for elements missing
- Expanding on environments
- Better definitions for common elements
- Revising Ground Segment significantly
- Concerns
 - *Definitions created by JSCC – need to bring in independent industry/government review team*
 - *Ability to use Ground Segment for all appendices*



Surface Vehicle Systems

- Structure for reporting in flux
 - *Approach to accounting for vehicles difficult*
 - *Variants, common elements, unique elements, etc.*
 - *Unmanned approach added as kit*
 - *Confusion as to "secondary vehicle"*
- Using "Leader/Follower" development approach
 - *"Leader" takes majority of non-recurring*
- Concern
 - *Still working production process-oriented vs. product oriented*

Automated Information Systems

- Use of Appendix difficult due to unclear definitions
 - *Incomplete due to lack of sustainment definitions*
- Providing clearer definitions between
 - *Custom*
 - *Enterprise*
 - *MIS*
- Addition of sustainment due to IT related activities
 - *Needs more vetting by PARCA/CAPE and industry*
- Concern
 - *Sustainment during development/production*
 - *Can be applied across all appendices?*



Common Elements

- Level 2 elements common to most appendices
- Specific changes for Space, Launch Vehicles, AIS
- Change/add definitions for:
 - *Program Management (below level 2)*
 - *Systems Engineering (below level 2)*
 - *Data (change details)*
 - *System Test & Evaluation*
 - *Training (change details)*
 - *Operational/Site Activation (change details)*

