

# Team Green

(e.g. ESH)

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Team Lead

# Team Members

- -Tom Lastoskie – AFIT (OPR)
- -Jack Galuardi – APT
- -Harry Diaz – DCMA
- -Michael Ganowsky – Boeing
- -Jason Schmidt – Boeing
- -Greg Krieger – BAE
- Rob Arthur – DAU
- Scott Pearl – AFRL
- Josh Rosen – Northrop
- -Eric Whitman – Draper
- Jordan Masters – ARDEC
- Gary Stanley – OSD ctr
- -Steve Anderson – NAVAIR

# Feedback on Proposed Matrix Change

## Environmental, Safety, and Health

- Team Assessment of proposed additional criteria
  - Value added: potentially
  - Recommendations:
    - Investigate as an additional thread, not incorporated in existing threads
  - General Comments/ Observations
    - Criteria need to be at a high level (addressing mfg issues and concerns)
    - Criteria should be able to observe this on the floor
    - Needed (early and often) (industry)
    - May be out of scope (govt) and scope creep (industry)
  - Recommended Actions
    - Needs a lot more work

# Feedback on Proposed Matrix Change

## MRL 1-3 Additional Criteria

- Team Assessment of proposed additional criteria
  - Value added: MRL 2, 3 Yes (corrections to 4)
  - If Yes, Provide changes
  - General Comments/ Observations
    - MRL 1 no additional criteria needed
    - MRL 2 & 3 commented below
    - Should be coordinated to TRL (ability to produce artifacts)
  - Recommended Actions

# H.2 Facilities

Sub-Thread	MRL 1	MRL 2	MRL 3	MRL 4
Existing			Specialized facility requirements/needs identified.	Availability of manufacturing facilities for prototype development and production evaluated as part of AoA.
Inputs	<p>Survey the IB for existing facilities and capital equipment that could be potentially utilized.</p> <p>Assess facility availability.</p> <p>DoD/Service facility policy and directives identified and understood.</p>	<p>Identify initial facility and capital equipment requirements including unique or special requirements for transportation, handling, and storage equipment.</p> <p>Program facility plan developed and approved. General facility requirements/needs identified.</p>	<p>Assess the availability, design, rate and capacity capabilities of the facilities under consideration.</p> <p>Evaluate impacts on facilities by types of processes required (e.g., specialized fixtures, test chambers, laboratories, clean rooms, waste storage and disposal, etc.).</p>	<p>Capability, and availability of manufacturing facilities for prototype development and production evaluated as part of AoA.</p> <p>Funding needs for additions/modifications to existing facilities included in evaluation.</p>
Proposed	<p>Survey of the IB for existing facilities and capital equipment that could be potentially utilized conducted.</p>	<p>Initial facility and capital equipment requirements identified including unique or special requirements for transportation, handling, and storage equipment.</p>	<p>Availability, design, rate and capacity capabilities of the facilities under consideration assessed.</p> <p>Impacts on facilities by types of processes required evaluated (e.g., specialized fixtures, test chambers, laboratories, clean rooms, waste storage and disposal, etc.).</p>	<p>Capability, and availability of manufacturing facilities for prototype development and production evaluated as part of AoA.</p> <p>Funding needs for additions/modifications to existing facilities included in evaluation.</p>
Team Input	No Change from existing	Keep but simplify add to users guide	Keep but simplify add to users guide	Capability, and availability of manufacturing facilities for prototype development and production evaluated as part of Trade studies.

# I.1 Manufacturing Planning & Scheduling

Sub-Thread	MRL 1	MRL 2	MRL 3	MRL 4
Existing				Manufacturing strategy developed and integrated with acquisition strategy. Prototype schedule risk mitigation efforts incorporated into Acquisition Strategy.
Inputs	<p>Survey the IB to identify manufacturing planning and scheduling state of the art.</p> <p>Assess materials availability for candidate solutions.</p> <p>Manufacturing Management policy and directives identified and understood.</p>	<p>Initiate manufacturing planning and scheduling (include alternatives).</p> <p>Planning addresses: Producibility, Critical mfg. processes, STE/SIE, Test and demonstration, Potential mfg risks, and Funding constraints.</p> <p>Program Manufacturing Plan developed and approved.</p> <p>Preliminary Manufacturing Schedule developed.</p>	<p>Manufacturing plan developed as input to AoA study and future acquisition strategy. Plan includes: type of manufacturing organization, parameters for a make or buy plan, type of resources and mfg capability needed, and quantitative and qualitative data requirements.</p> <p>Manufacturing Schedule developed and approved.</p>	
Proposed	Survey of the IB conducted to identify manufacturing planning and scheduling state of the art.	Initial manufacturing planning and notional schedule outlined.	Notional manufacturing plans and schedules developed as inputs to AoA study and future acquisition strategy.	No change
Team Input	No change to existing	No change to existing	Notional manufacturing plans and schedules developed as inputs to Trade study and future acquisition strategy.	No change

# I.2 Materials Planning

Sub-Thread	MRL 1	MRL 2	MRL 3	MRL 4
Existing				Technology development article component list developed with associated lead time estimates.
Inputs	Survey the IB for potential materials (capabilities) relevant to future needs. Initiate planning activities for future materials requirements. Manufacturing materials policy and directives identified and understood.	Identify materials (and alternatives) for considerations of technical maturity, characterization, fragility, sole source, domestic vs. foreign, etc. Initial Manufacturing Materials Plan developed.	Analyze the of feasibility of materials and alternatives. Analyze technical maturity and characterization of materials, sources, essential raw materials, special alloys, composite materials, etc. Evaluate vulnerability that could result from the lack of alternatives. Manufacturing Materials Plan tied to Manufacturing Schedule developed and approved.	Technology development article TMRR component list developed with associated lead time estimates from the AoA.
Proposed	Survey of the IB for potential materials (capabilities) relevant to future needs conducted.	Materials (and alternatives) identified for considerations of technical maturity, characterization, fragility, sole source, domestic vs. foreign, etc.	Feasibility of materials and alternatives analyzed.	TMRR component list developed with associated lead time estimates from the AoA.
Team Input	No change	Materials (and alternatives) identified for consideration	Analyze the feasibility of materials and alternatives. Analyze technical maturity and characterization of materials, sources, essential raw materials, special alloys, composite materials, etc. Evaluate vulnerability that could result from the lack of alternatives.	No change