

From Tired Iron to Increased Readiness

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Challenge:

How do we keep up with Sustainment in a Rapidly Changing Ecosystem?

Challenge	Risk/Impact	Options
Need for "unprecedented Reliability"	Unplanned discovery decreased availability	Predictive diagnostics (CBM)
Longer deployments	Increased age impacts (non linear)	Robust Materials enhanced NDI
Asymmetric utilization	Premature Failure Longer Maint intervals DMSMS	MBSE "just the right data rights" Flexible manufacturing
"Limited" Funding	Contract inefficiencies delivering less capability	Smart upgrades (DMS/cyber) smarter/flexible contracts govt/industry teaming



Solutions:

- Agile software
- Open architectures
- MBSE/ digital ICDs
- Rapid manufacture

Requires:

- Breaking down stove pipes between engr & logistics
- Merging traditional upgrades with open solutions
 - combining cyber; risk based assessments
 - Going for the "win/win" in data rights
 - Design for rapid manufacture



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