

## DAVE'S NOTES—PRINCIPLES FOR TRANSFORMING U.S. DoD ACQUISITION & SYSTEMS ENGINEERING PRACTICES

- Smaller set of high-priority mission & acquisition needs (vs. *kitchen-sink approach to buy everything under the sun*).
- Smaller, lower-cost single-mission throwaway acquisitions.
- Smaller, automated autonomous systems like hand-held UAVs (vs. *century-long, trillion dollar manual systems*).
- Micro timelines.
- Evolutionary-emergent architecture & design.
- Intelligence outsourcing.
- Smaller, joint buyer-supplier cross-functional hands-on teams.
- Simultaneous top-down, bottoms-up egalitarian strategic planning & decision-making.
- Much flatter government agencies, acquisition organizations, and program management offices.
- Flatter buyer-supplier organizational, acquisition, program, & project hierarchies.
- Collaborative buyer-supplier relationships, cultures, and decision-making (vs. *adversarial buyer-supplier contracting*).
- International cooperation, crowdsourcing, funding, risk-sharing, & engineering resources.
- Leveraging commercial capital & information technology infrastructures.
- Results, outcome, or product-oriented focus (vs. *acquisition/systems engineering process focus*).
- Low-cost, intensive process automation (vs. *industrial-age manual acquisition/systems engineering processes*).
- International, multi-disciplinary multi-perspective strategic & tactical decision-making teams (*to minimize group-think*).
- Leverage, exploit, & capitalize upon commercial products, services, technologies, & capabilities (*to greatest extent*).