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Unmanned Aircraft Systems - Maintenance Support Challenges



**DOD Maintenance Symposium
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Agenda

- **Panel Member Introductions**
- **OSD Maintenance Stage Setter**
- **Panelist Presentations**
 - **Army PM UAS Fleet Support**
 - **Predator-Reaper BCA**
 - **Partnering with DOD**
 - **BAMS/Global Hawk Joint Efficiencies**
- **Q & A**

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Panel Members

Mr. Ed Ward, Fleet Manager/Product Sustainment Manager,
U.S. Army Program Manager Unmanned Aircraft Systems

Ms. Cynthia Hertenstein, Product Support Manager, Medium
Altitude UAS Division, Aeronautical Systems Center, U.S. Air
Force

Mr. Baron Asher, Manager, Predator/Reaper Logistics
& Sustainment, USAF Programs, General Atomics Aeronautical

CDR Frank Naylor, USN, Joint Efficiencies IPT Lead, Persistent
Maritime Unmanned Aircraft Systems

Mr. Daryl Kitchen, Global Hawk Product Support Manager,
IS&R Directorate, Aeronautical Systems Center, U.S. Air Force

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Context: Secretary of Defense Guidance and Direction

“The United States faces a series of tough choices ahead on the budget as we seek to balance the need for fiscal solvency with the need to protect our security. We can - and must - address the budget and protect the country. As we do, we will be guided by the principle that we will do what's right for our nation now and for its future. By better aligning our resources with our priorities, this Department can lead the way in moving towards a more disciplined defense budget.”



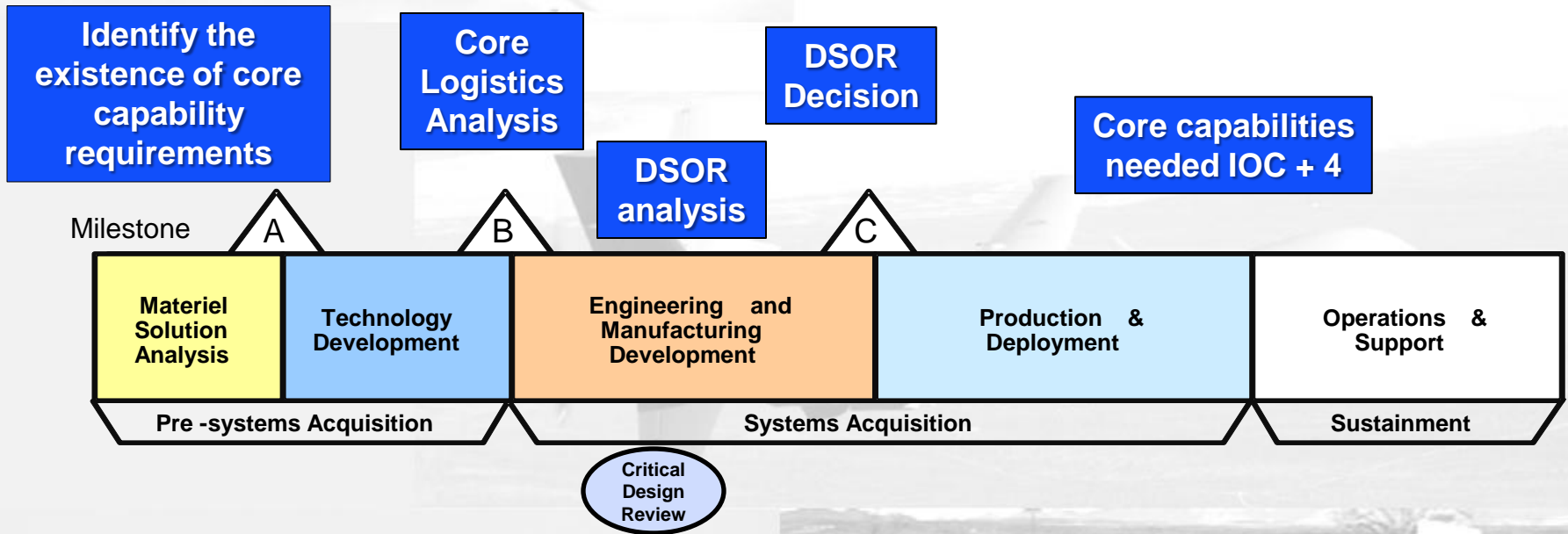
**Leon Panetta
Secretary of Defense, 3 Aug 2011**

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Total System Life Cycle Support Planning

Key Maintenance Points on Acquisition Timeline



Maintenance planning is most effective when started early in the system/ component's life cycle to ensure program support and proper resources. Phase for BCA and RCM activities.



UAS Challenges

Rapid Acquisition Programs—Most UAS systems acquired on the basis of urgent need in the field

- Sustainment planning a secondary consideration
- CLS for life a common path

Late Decisions impacting maintenance planning

- Core Logistics Analysis
- Efforts to address 50/50 impact

Technical Data

- Tech data requirements under government purpose rights not pursued or asserted early in the acquisition process

Late to need sustainment planning results in increased costs



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What we must do

- ***Understand and deal with the environment—get on with it***
- ***Create and strengthen government / industry partnerships***
- ***Lead and influence weapon system maintenance planning early in lifecycle***

Think about maintenance and sustainment...every day

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Questions?



Panel Objective:

Discuss the challenges and opportunities of mixed maintenance packages (contractors, civilians, and military) for Unmanned Aircraft Systems, to include field-level maintenance in support of deployed operations and home-station training as well as depot-level maintenance.