



Department of Defense Maintenance Symposium



PARTS Team Sustainment Effort for MLRS M270 Platform

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PARTS Team Mission Statement

To improve weapon system sustainment by serving as the Team Redstone primary resource for acquisition research, development, and engineering expertise in the procurement of hard to acquire spare and repair parts.



Asset Capture and Estimation System (ACES)



- ACES is a modeling system that helps predict when component shortages will take place for a weapon system over a specified period of time using inputs such as the average monthly demand and current inventory.
- In the case of the MLRS Launcher, we have used ACES to find which items will potentially have a shortfall and when the shortfall will occur for the projected sustainment date.
- ACES has successfully shown how the Item Recovery Program, if utilized, will for the most part sustain the Launcher during the sustainment period.



MLRS Launcher



ACES:

- Considers diminishing requirements based on projected fielded systems.
- Provides a roadmap for planning system cannibalization as a means of sustainment.
- Utilizes IMMC-provided data for AMD and inventory levels.
- Calculates the projected inventory levels until sustainment date
- Generates easy to understand graphs to help prioritize problem parts



ACES Inputs

* For example only*



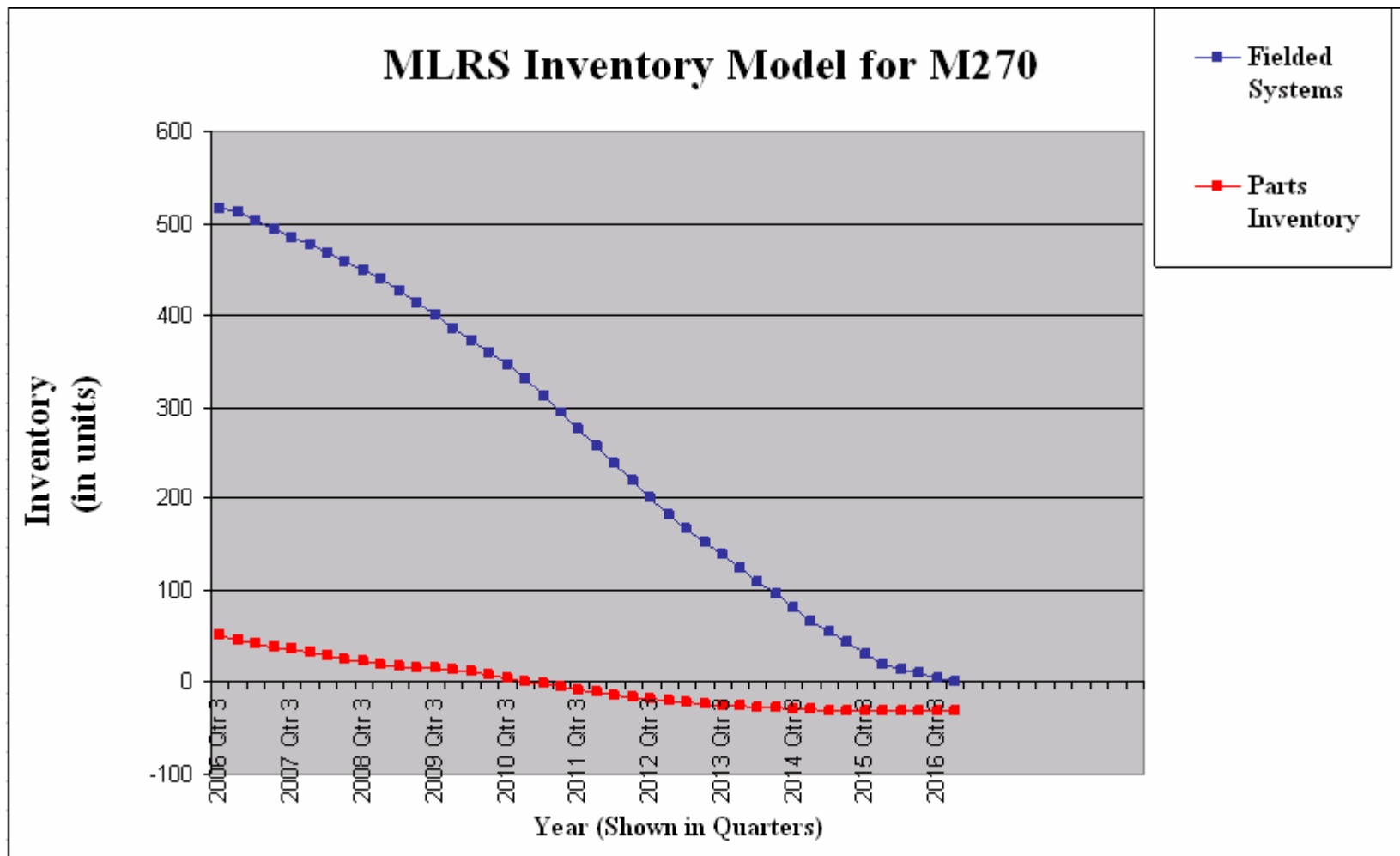
Item nomenclature:	WIDGET
NSN:	0000-00-000-0000
Army Part Number:	12345678
Serviced Items On-Hand (SIOH)	68
Unserviced Items On-Hand (UIOH)	119
Percentage of UIOH to SIOH Success	25%
Beginning Inventory:	97.75
Annual Army Usage Rate:	32.88
Annual FMS Usage Rate:	0
Annual Secondary Rqmts Usage Rate:	0
Grand Total Annual Usage Rate:	32.88
Recapture Success Rate:	25%
Assumption: Days required to Recap:	90
Coverage:	
Minimum Inventory	7
Maximum Inventory	98
Number of Quarters with Backorders	0
Date to Discontinue Cannibalization (as of Quarter 1 of year)	2006
Planned Upgrades	
Year upgrade is plan, i.e. 2008	0
Quarter upgrade is planned, 1,2,3 or 4	0
Percentage of units to be upgraded.	0
Begin Graph (Year, in format xxxx)	2005
Begin Graph (Quarter: 1,2,3 or 4)	1
* Inputs should only be made to <u>Yellow</u> cells	



ACES Graph Results



For example only





Contacts and Demo



For a demonstration of the ACES model and for all other information about the PARTS Team please speak with one of our PARTS Team members:



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