

# Air Force Life Cycle Management Center

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## **AF Logistics Health Assessment... Keeping the Pulse on Product Support**

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DSN 785-5536  
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# Briefing Purpose



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**This briefing will provide:**

- **Overview of the Logistics Health Assessment (LHA) to include history and process**
- **How the Air Force analyzes and utilizes LHA information in various reviews and decisions**



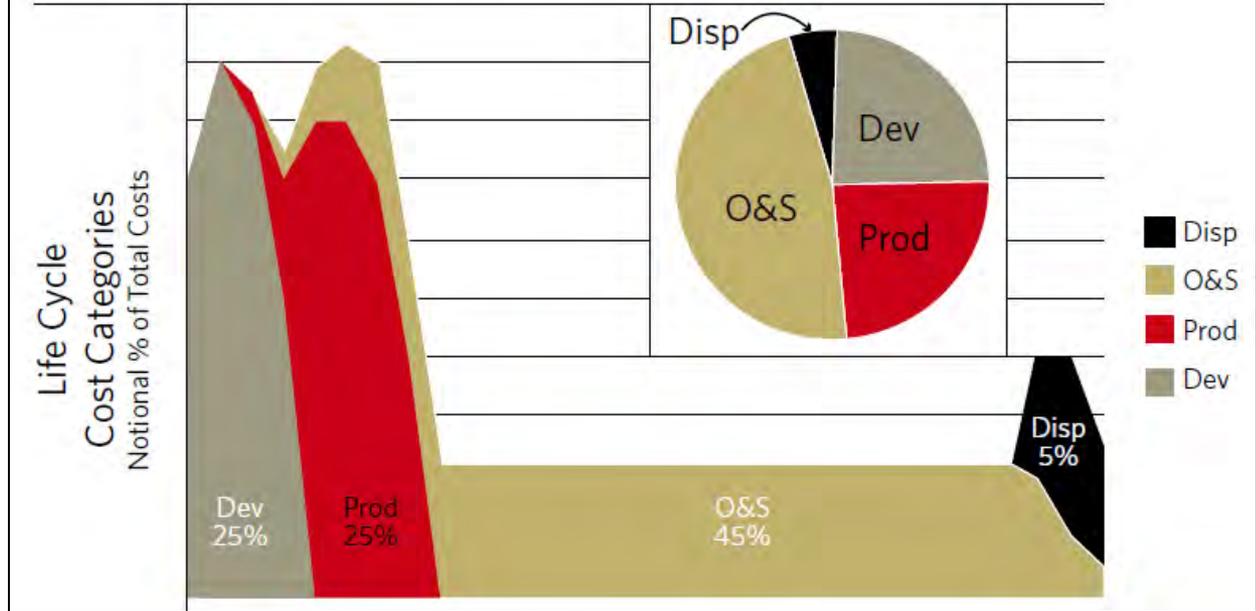
# Why Measure PS Health?



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Figure 1. Weapon System Life Cycle Cost Categories and Phases



**Better PS planning & strategy up front = Better execution & lower cost**





# Why this LHA thing?



- **Prior to LHA....no day-to-day standardized mechanism for assessing & measuring Product Support planning & execution**
  - **No standard based criteria...**
  - **No historical decision trail...**
  - **No documented issues...**
  - **Subjective...**



**LHA Fills This Void !!**

***“A standard, tailorable, measurable & user friendly logistics health assessment tool for programs”***



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# Customers / Stakeholders



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## Warfighter

## Program Office

## Leadership





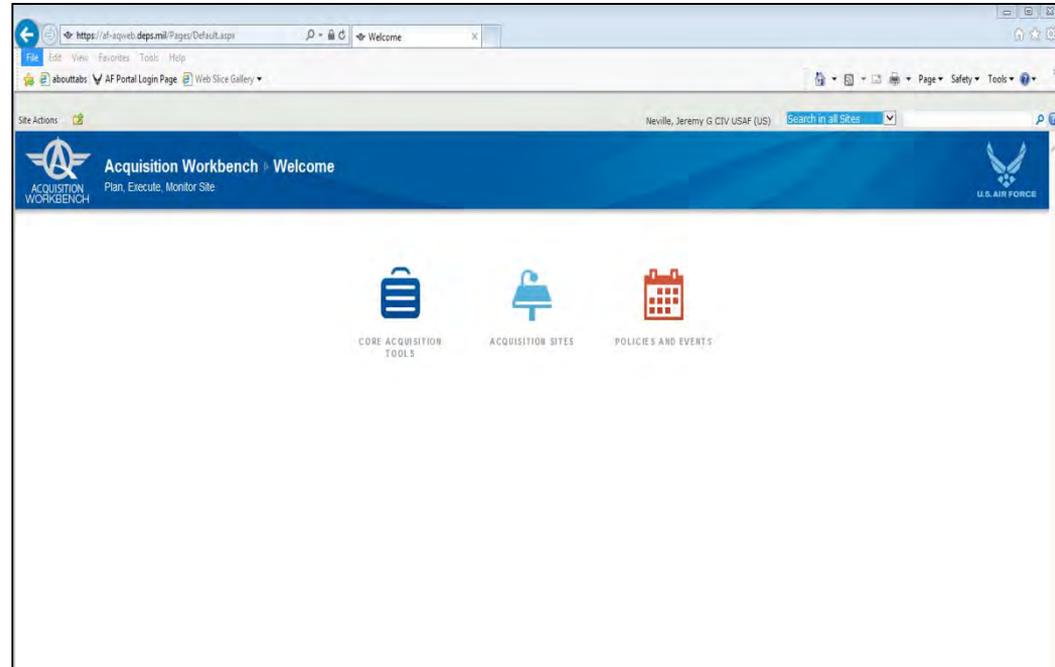
# LHA Access



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- Request access from SMART Help Desk:  
email: [smart@hanscom.af.mil](mailto:smart@hanscom.af.mil)  
Phone: (888) 925-4561
- Go to Acq Workbench:  
<https://af-aqweb.deps.mil/Pages/Default.aspx>
- Authentication is via CAC
- AFLCMC/LGIA help & training POC: Jeremy Neville DSN 785-5536





# LHA Access



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**NEW ASSESSMENT**

DDM

Save Continue

DDM

Program Folder: Choose program: LHA

Model Group: Choose: Pre-MDO, MSA, TD, EMD, P&M, G&S, Wayne's Demo

Model: [Dropdown]

Effective Date: [Date]

Select Phase

**1.0 Product Support Management**

Contractual Documents: Have the contractual documents (RFP, PWS, SOW, CLIN, CDRL, Sections 184) been reviewed and include product support?

1.1 NA: Yes No

PSM Assignment: Is a PSM with the required experience, training, education, and certifications, assigned to the program?

1.2 NA: Yes No

PSM/LG Participation: Is the PSM/LG an equal participant in different forums to ensure product support is considered from Material Solution Analysis through Dispose?

1.3 NA: Yes No

PSM/LG Communications: Is the PSM/LG been in ongoing communications with the MAJCOM, user and other stakeholder organizations?

1.4 NA: Yes No

APDP: Does the PSM have adequate product support personnel assigned to the program that have the appropriate certification level (APDP) commensurate with their tasking?

1.5 NA: Yes No

Risk Management Plan: Have logistics concerns been included in the overall risk management plan and includes executable mitigation strategies?

1.6 NA: Yes No

Product Lifecycle Logistics Team: Has an integrated product life cycle logistics team been established (i.e. ILSMT, DMAWG, Test IPT, etc) and

Tailored Criteria Based on Phase

**LHA Based on 12 PSE's**

PLAN, MONITOR, EXECUTE

Program: AF/CMC/ACQ

Model: EMD

Effective Date: Feb 16 10:00:00 PDT 2013

Status: New

Approved Date: New

Section	Title	Status	Links
1	1.0 Product Support Management	W	
2	2.0 Design Interface	W	
3	3.0 Sustaining Engineering	W	
4	4.0 Supply Support	W	
5	5.0 Maintenance Planning and Management	W	
6	6.0 Packaging, Handling, Storage, and Transportation (PHSAT)	W	
7	7.0 Technical Data	W	
8	8.0 Support Equipment	W	
9	9.0 Training and Training Support	W	
10	10.0 Response and Personnel	W	
11	11.0 Facilities and Infrastructure	W	
12	12.0 Computer Resources	W	

**Logistics Health Assessment Summary**

Program: F-45 CRS

ACAT: II

Program Phase: EMD

Date of Assessment: 10 Dec 12

PEO: John Smith

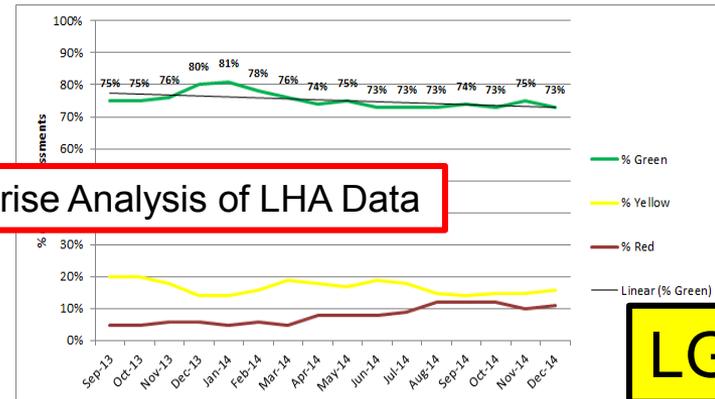
PM: Joe Arnold

PSM: Lisa Reynolds

**Logistics Health Assessment**  
78.35 / 100.00

Product Support Management	Technical Data
Design Interface	Support Equipment
Sustaining Engineering	Training & Training Support
Supply Support	Response & Personnel
Maintenance Planning & Mgt	Facilities & Infrastructure
Packaging, Handling, Storage & Trans	Computer Resources

LHA Export w/ Comments & Issues



Enterprise Analysis of LHA Data

LGIA



# LHA Access



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Site Actions Browse DSM

Mark Complete
 Submit
 Approve
 View Windshield Chart

DSM

View Windshield chart

12 Product support elements (expand for questions)

Clicking the **view all** charm will display the complete list of navigation categories.
   
 Clicking a charm will display the available navigation items within a category.
   
 Recycle Bin
   
 All Site Content

Collapse screen button

Model: THRR  
 Effective Date: 02/28/2014  
 Hours to complete: 1.0  
 Status: New  
 Approved Date:

Section	Title	Score	Rating
	Overall	54.0%	
1	1.0 Product Support Management		
2	2.0 Design Interface		
3	3.0 Sustaining Engineering		
4	4.0 Supply Support		

Add Comment or Issue

Previous Next

Parent: Overall

Name: 4.0 Supply Support

Comment:

Issue: [Add Issue](#)

Previous Next

Supply Chain Strategy Documented in LCSP: Is the Supply Chain strategy documented in LCSP?

NA:  Choose below.

- Complete
- Low Risk (In Progress)
- Medium Risk (In Progress)
- High Risk (In Progress)
- Not Started

New multi-choice rater criteria

IUID Plan Documented in SEP: Has the program developed the Item Unique Identification (IUID) plan and is it documented in the Systems Engineering Plan (SEP)?

Choose below.

- Complete
- Low Risk (In Progress)
- Medium Risk (In Progress)
- High Risk (In Progress)
- Not Started

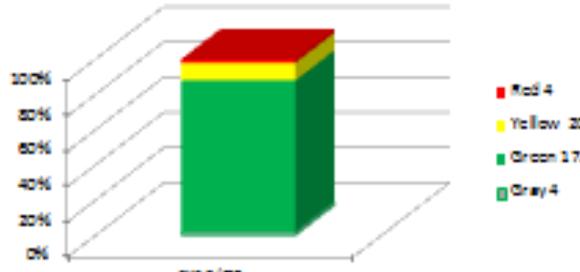


# AFMC Council Chart



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  <h2>Metric 1.3.2.1 Logistics Health Assessment</h2> <p>AFMC Council Chart</p> 	
<p>AFLCMC... Providing the Warfighter's Edge</p>	
<h3>Baseline of Program Colors</h3>  <p>As of 04/15/2015 LHAs</p>	<h3>Discussion</h3> <ul style="list-style-type: none"> <li>• FY15/Q2: 200 Approved LHAs, 76% compliance (345-82=263 AML programs)</li> <li>• 82 waived/exempted programs</li> <li>• 63 programs did not complete LHA (24%)</li> <li>• 172 "Green" LHAs out of 200 (86%)</li> <li>• 18 Red PSE's and 92 Yellow PSE's</li> <li>• 539 total questions answered with High/Med Risk</li> </ul>
<h3>Causes/Issues</h3> <ul style="list-style-type: none"> <li>• FY15/Q2 Issues (10% of responses R/Y):             <ul style="list-style-type: none"> <li>• Product Support Business Case Analysis (BCA) (also FY14 Q3)</li> <li>• Depot Maint Act Plan (DMAP) signed &amp; submitted to AFMC/A4</li> <li>• Training Equipment Ready for Training need date</li> </ul> </li> <li>• FY15/Q2 Watch Items - 10:             <ul style="list-style-type: none"> <li>• 4 items in the Training PSE</li> </ul> </li> </ul> <p>As of 04/15/2015 Weapon System LHA</p>	<h3>Mitigation</h3> <ul style="list-style-type: none"> <li>• 63 programs did not perform an LHA             <ul style="list-style-type: none"> <li>• Needs management attention</li> </ul> </li> <li>• DBS model in process of updating</li> </ul>
<p>LHA Assessment: <span style="color: green;">●</span> ≥ 90% <span style="color: yellow;">●</span> ≥ 74% &amp; &lt;90% <span style="color: red;">●</span> &lt;74-0%</p>	

Measures programs risk by color

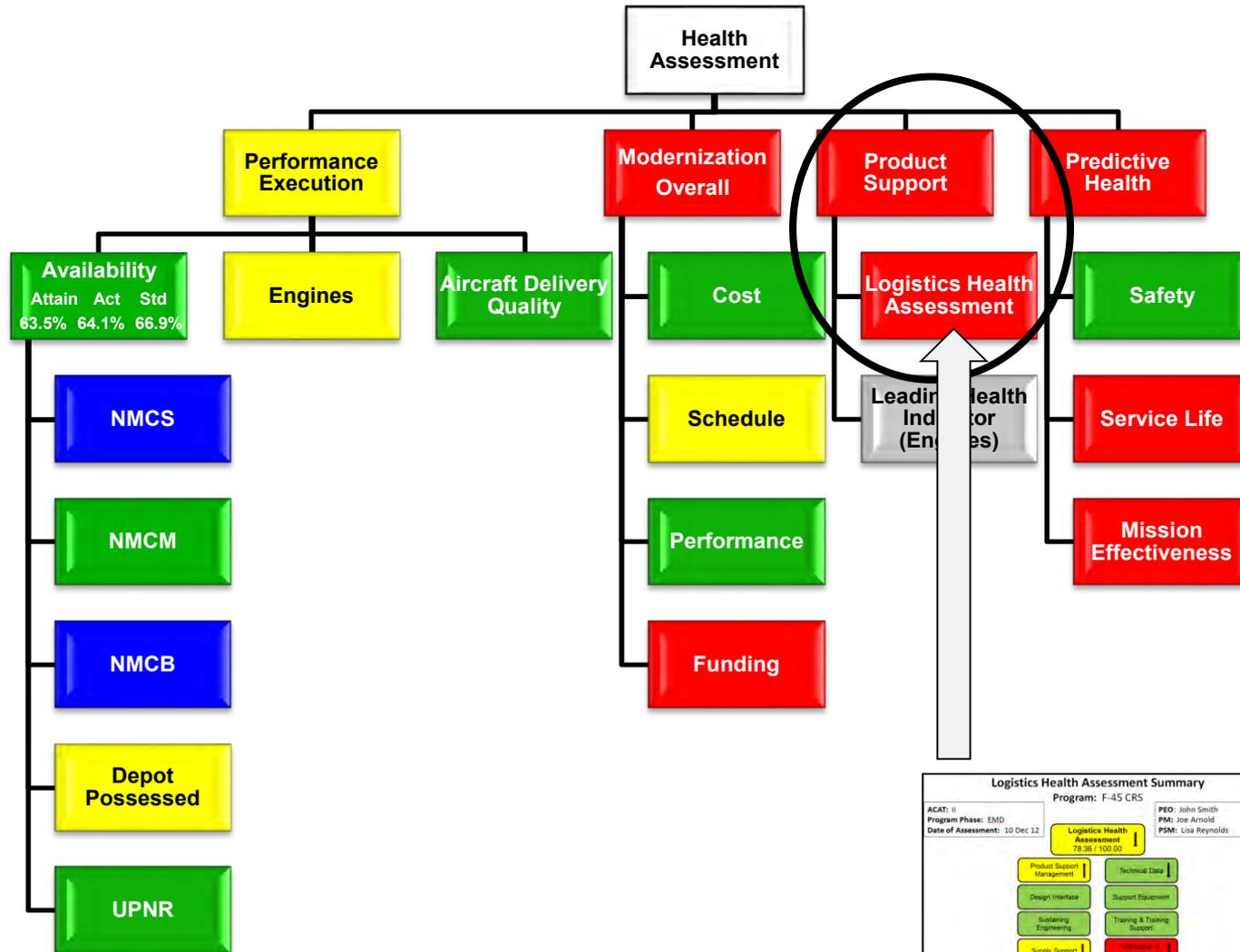


# Weapon System Execution Review



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Logistics Health Assessment Summary		
Program: F-45 CRS		
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Date of Assessment: 10 Dec 12	Logistics Health Assessment: 78.36 / 100.00	PM: Joe Arnold
		PSM: Lisa Reynolds
Product Support Management	Technical Data	
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# LHA / WSER

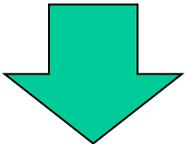


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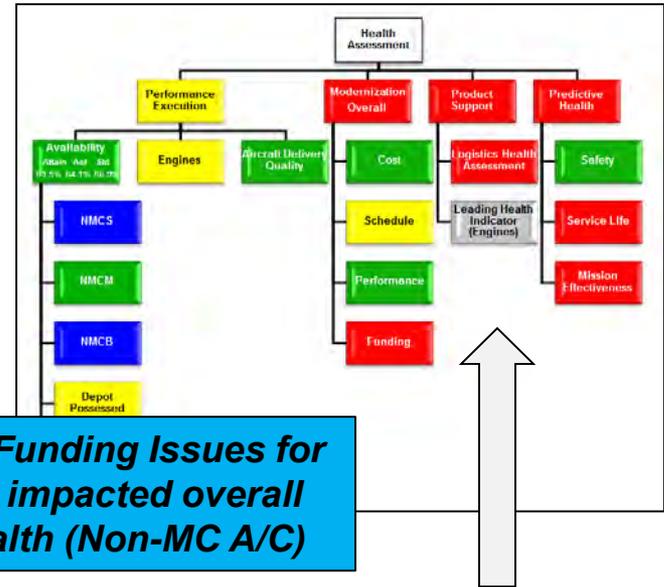
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## F-45 Weapon System

Program X (ACAT II Program)  
Comm Upgrade Required for SMART Weapons



*Example*



•Supply / Funding Issues for program impacted overall Fleet Health (Non-MC A/C)

LHAs	FY13/Q2		FY13/Q4		FY14/Q2		FY14/Q4		FY15/Q2		
Task	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	FY Qtr	
Are Provisioning Conferences planned						▲	•Scheduled			•Slip	▲
Are Supply Chain Metrics identified and documented			▲	▲				•Non-MC			
Are sufficient resources (e.g. personnel, funding, ect) available for the technical orders/data to support LCSP requirements				▲	•Scheduled					•Slip	▲

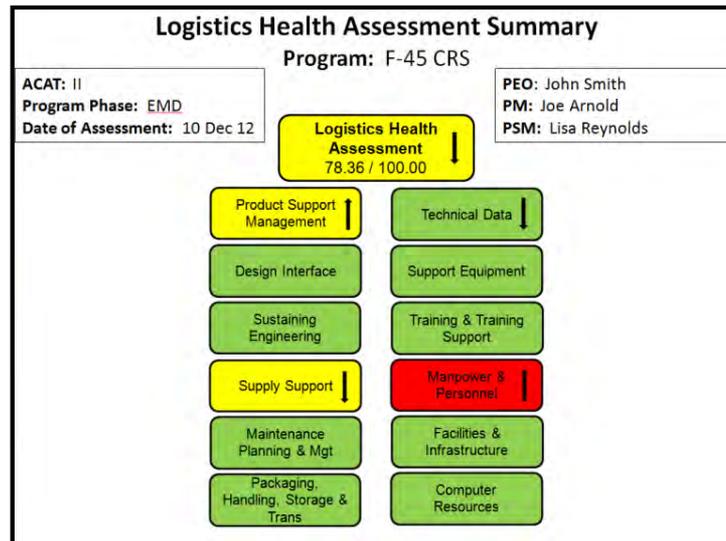
LHA is predictive Product Support Health tool



# Enterprise issues



- **Recognized Enterprise issues**
  - **Program Protection Plan (PPP)– Focused training provided**
  - **Software Data Rights—Target training and EZ/PK/AQ partnerships**
  - **Product Support Business Case Analysis (PS-BCA)—AFLCMC/LZ hosted BCA training**





# LHA is Value Added



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- **Management tool which helps concentrate on Life Cycle Product Support risks**
- **Highlights best practices/lessons learned**
- **Identifies Enterprise and Directorate trends**
- **Completion of tasks--visibility**
- **Utilized as a training tool**
- **AFI 63-101/20-101 and AFLCMC Memorandum direct to complete an LHA**



# LHA Improvements



- **Defense Business Systems (DBS) revision**
- **Working with the SMART Program office to deploy new workflow and analytical capabilities**
- **Recent direction from SAF to bring legacy programs currently off the AML back on to the list – thus requiring a LHA**
  - **Pilot programs identified to conduct legacy O&S platform LHAs**
  - **Create O&S platform LHA questions**
  - **AFLCMC/LGIA will provide training to programs to perform O&S platform assessment**



# Next Steps: Twice-a-Year LHAs



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- **LHAs to be performed twice-a-year**
- **Reduce program office workload**
- **Program's product support health changes occur less frequently than quarterly**
- **March & September assessments will be performed**

**March and September LHAs**



# Next Steps: Revised Standard Process



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- **Revise LHA Standard Process (presented to the Standard & Process (S&P) Board**
- **LHA data now pulled 2nd business day after the due date**
- **Time Metric definition clarified**
  - **All program office research, discussions, briefings, and internal processes will be accounted for**

**LHA Standard Process updates**



# Next Steps: Revised Standard



## Process Con't

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- LHA training now conducted by AFLCMC/LG
- Cost/Schedule category added
- Require comments on all questions
- LHA Business rules updated
  - Individual question responses (based on risk)
  - Product Support Element color codes
  - Demographic Section
  - Overall LHA color code methodology

Acronym	Overall Score (FY14/Q4)	PSM (FY14/Q4)	Design Interface (FY14/Q4)	Sust Engin (FY14/Q4)	Supply Support (FY14/Q4)	Mx Planning (FY14/Q4)	PHS&T (FY14/Q4)	Tech Data (FY14/Q4)	Support Equip (FY14/Q4)	Training (FY14/Q4)	Manpower (FY14/Q4)	Facilities (FY14/Q4)	Computer (FY14/Q4)
3DELRR	90.11	G	G	G	Y	G	Y	G	Y	Y	Y	Y	G
ASIMIS Modernization	93.70	G	G	G	G	G	N/A	G	G	G	R	Y	G
BITI Wired	81.65	G	G	Y	G	Y	G	G	R	G	R	G	G
C-17 GRIP	90.75	G	G	G	G	G	Y	Y	G	G	R	G	Y

### LHA Standard Process updates



# Questions?

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