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Workshop on Improving Defense Acquisition Workforce Capability in Data Use

14 April, 2020



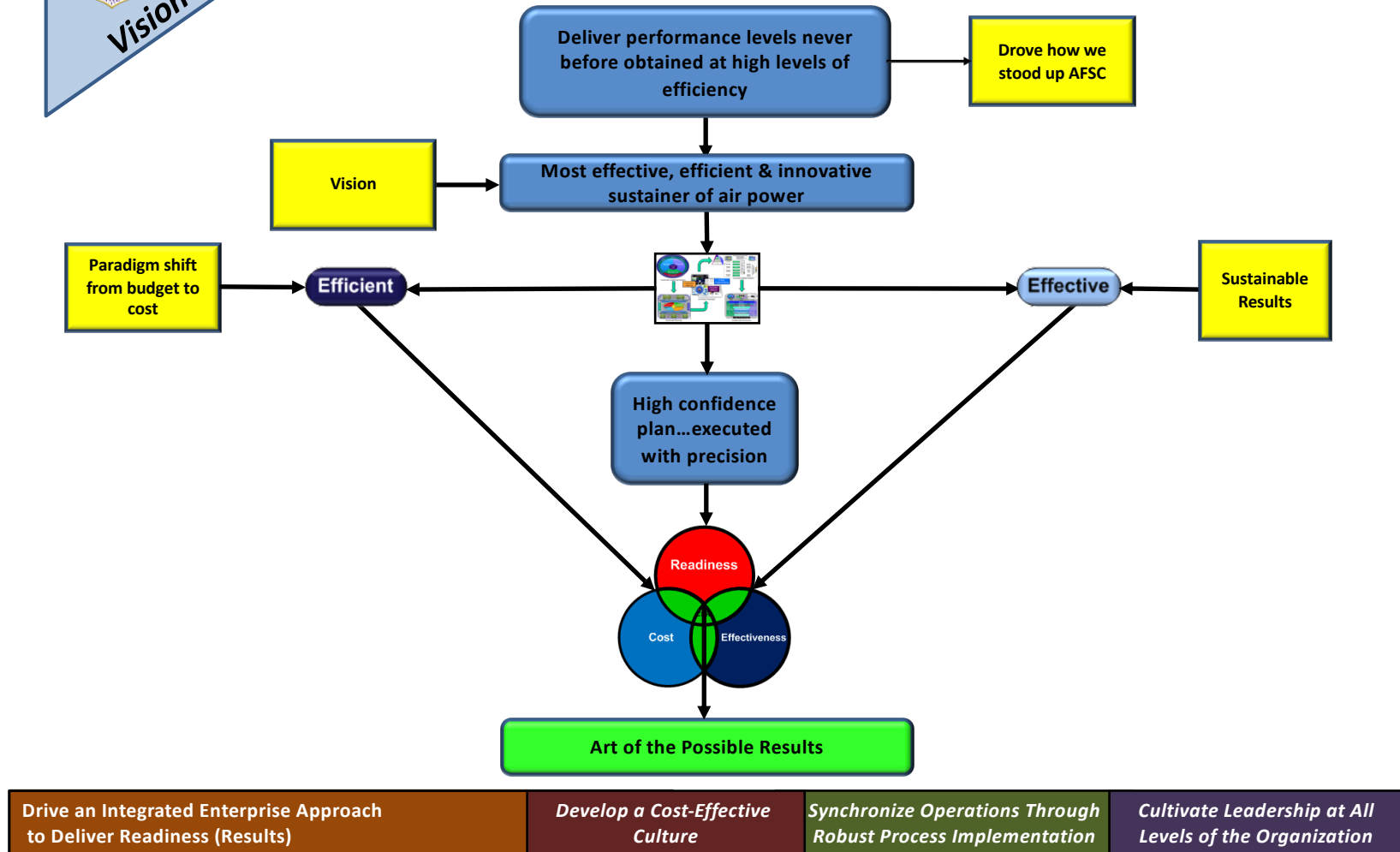
Stand up of Air Force Sustainment Center (July 2012)

- 35,000 Member Workforce
- \$16B Working Capital Fund
- Consolidate all Air Force Depot Operations
- Consolidate Air Force Organic Supply Chain
- Part of Air Force Materiel Command Reorganization

Note: the following slides (3-7) are from AFSC



Sustainment Center Mandates

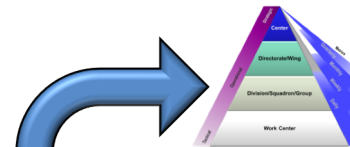




Operating Methodology

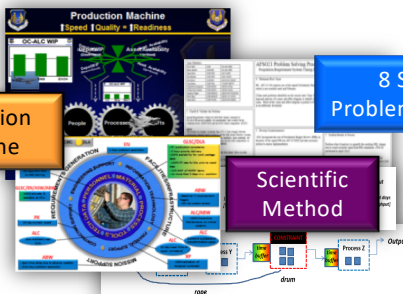


Corporate Leadership System

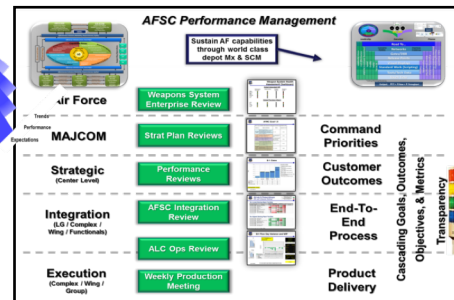


Production Machine

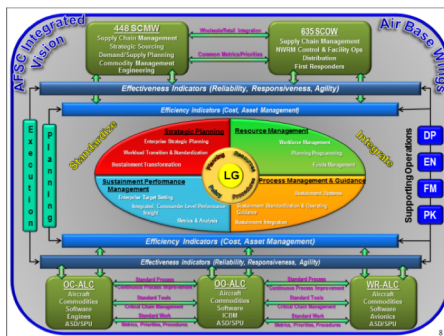
8 Step Problem Solving



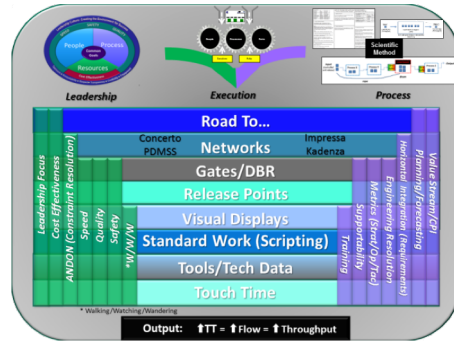
Common Processes



Consistent Battle Rhythm



Combined Planning



Collaborative Execution



FY14
Year in
Review



AFSC Speed

Flow Days (Average)						
MD	FY13			FY14		
	Orig	Rev	Act	Orig	Rev	Act
B-1	163	176	158	164	218	216
B-52	239	242	206	240	248	225
E-3	215	236	228	230	285	275
KC-135	159	160	116	160	164	126
C-5	294	296	285	273	280	277
C-17	92	106	108	68	83	86
*C-130	190	198	192	181	184	242
F-15	149	154	162	149	151	234
A-10	124	176	171	175	189	200
**C-130	168	195	197	178	196	221
A-10 AMARG	23	26	28	22	23	19
F-16	55	72	76	49	61	57
F-22	184	192	190	171	174	170
T-38	25	26	21	34	37	37

FY14 Successes

- KC-135 100% organic PDM, 100% produced early
- Produced 17 B-52s with no queue
- F-22 shift to 100% organic; 30% flow day reduction effort
- C-5 100% DDP for 3rd consecutive year
- Increased F-16 Wing production 104%
- First B-52 CONECT/PDM produced in 274 days

FY14 Lessons Learned

- Adhere to AFSC Way principles; right results, right way; stay on the path toward AFSC 3.0
- Improve SCM / Mx collaboration and anticipate precipitous drops
- Slow adaptation of Agile Manufacturing & Repair Technologies

FY15 Way Ahead

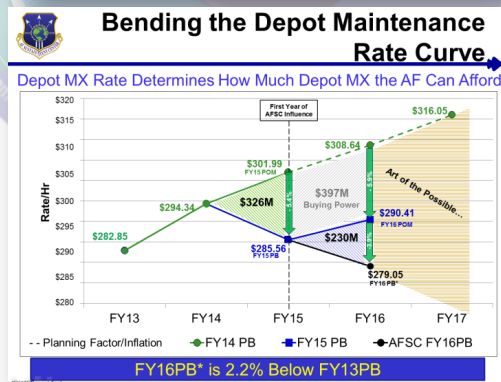
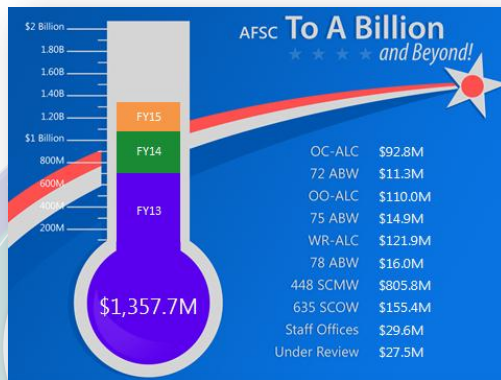
- Develop event-driven plans to increase speed
- Engineering as the accelerant
- Work with DLA to identify & correct gaps between end item rqmts & piece part forecasting
- Drive EVSAs for all machines including new systems
- Finalize acquisition strategy for IPV Gen III



FY14
Year in
Review



AFSC Cost Effectiveness



FY14 Successes

- Achieved Road to \$1 Billion cost focus culture change
- Established CSAG business unit
- Reduced FY16PB Composite Rate an additional 2.3% from FY15PB
- Exceeded Dir Mat'l CER goal by \$16M
- Cost-effective readiness initiatives facilitate reduced rates
 - AFSC/AFLCMC Partnership saved \$126M DMC
 - AMARG reclamation CPI \$400M
 - Strat. Sourcing \$72.5M; F108 parts saved \$1.0M*

FY14 Lessons Learned

- Cost-effective practices need to be built into all processes
- Accurate rqmts in R2D2 process essential to optimize future capacity
- Early collaboration w/ supply partners

FY15 Way Ahead

- Institutionalize enduring CER processes
- Build cost effective practices into AF/DLA MOA & next generation of the IPV contract
- Bending the supply chain & depot cost curves down
- Divest, consolidate, or re-purpose infrastructure needs & wants
- Execute 635/735 merger plan



SLC

Changing a Culture



From Personality Based to Process Based

Data Use at Lockheed Martin

20 April Engagement will include discussion around:

- Lockheed Martin Digital Transformation journey
- Building a data-centric enterprise that collects, integrates and analyzes data to continually improve performance
- Applying artificial intelligence and analytics to enterprise data sources to unlock insights, predict risks and share knowledge
- Empowering the workforce to improve personal data literacy, while actively hiring data scientists and engineers

