



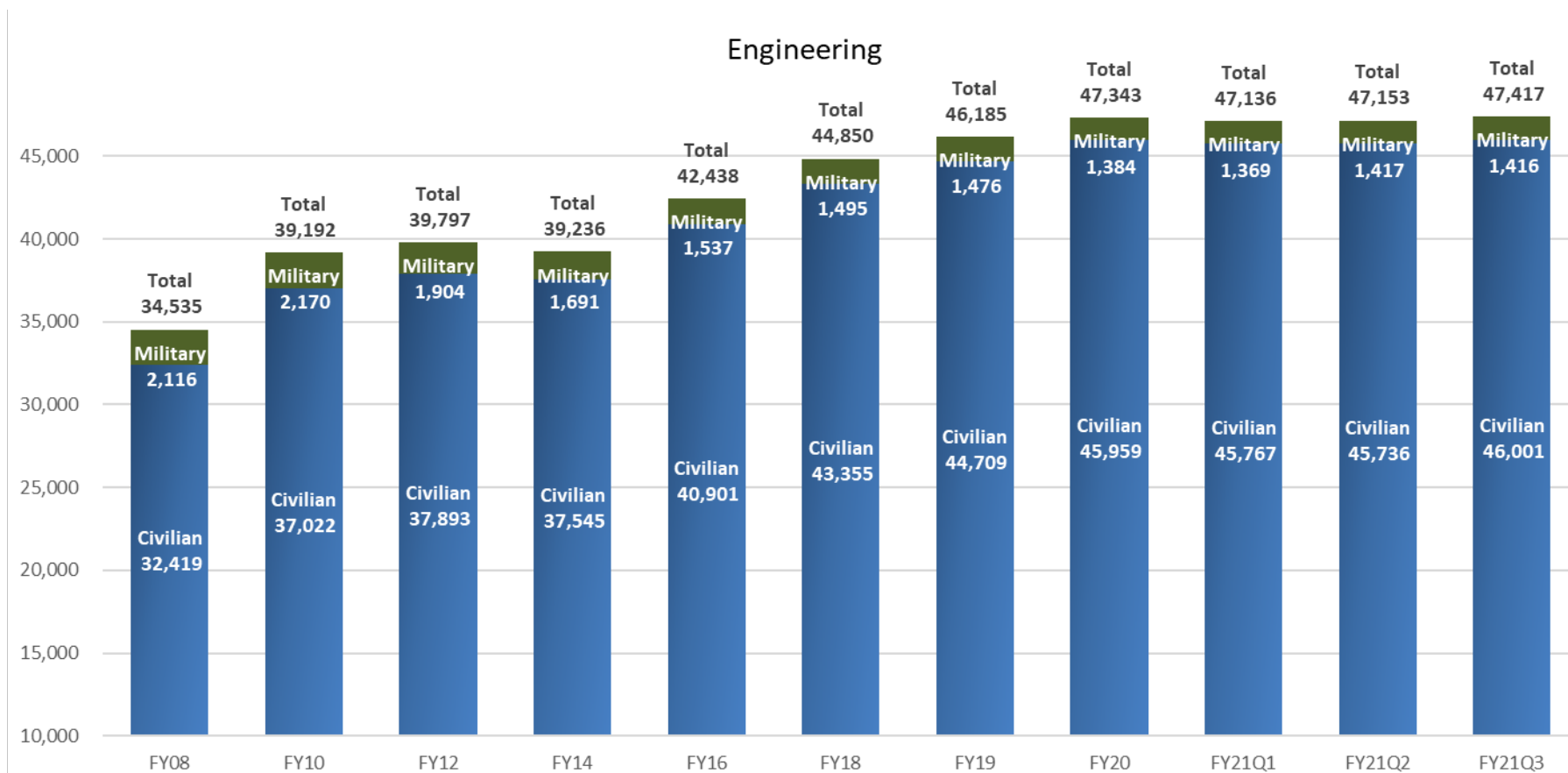
Defense Acquisition Workforce Key Information

Engineering

As of FY21Q3 (30 June 2021)

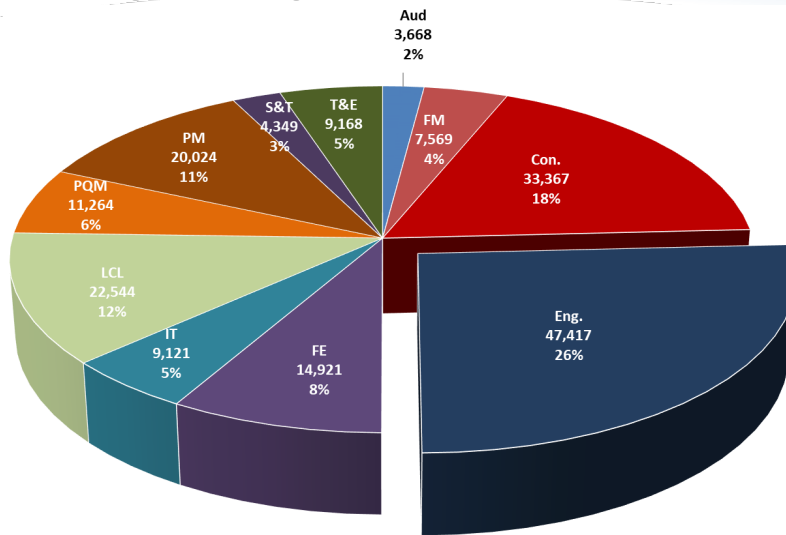


Engineering Total Workforce





AWF by Component and Career Field



FY2021Q3	Army	Navy	Marine Corps	Air Force	4th Estate	Totals	% Total
Auditing	-	-	-	16	3,652	3,668	2%
Business - CE	246	542	35	558	111	1,492	1%
Business - FM	1,822	2,524	183	2,401	639	7,569	4%
Contracting	9,008	6,598	616	9,002	8,143	33,367	18%
Engineering	9,313	24,963	330	10,724	2,087	47,417	25%
Facilities Engineering	6,879	7,044	49	837	112	14,921	8%
Information Technology	2,093	4,151	230	1,629	1,018	9,121	5%
Life Cycle Logistics	7,030	7,062	600	4,353	3,499	22,544	12%
Production, Quality and Man	1,368	3,998	23	529	5,346	11,264	6%
Program Management	3,659	6,437	780	7,264	1,884	20,024	11%
Property	55	77	1	19	264	416	0%
Purchasing	245	378	28	48	454	1,153	1%
S&T Manager	659	565	1	2,969	155	4,349	2%
Test and Evaluation	1,980	3,179	116	3,525	368	9,168	5%
Unknown/Other	9	1	1	21	19	51	0%
Totals	44,366	67,519	2,993	43,898	27,751	186,527	
Component %	23.8%	36.2%	1.6%	23.5%	14.9%		



Engineering Workforce Historical Size by Agency FY08 – FY21Q3



Engineering Defense Acq Workforce Agency	FY08	FY10	FY12	FY14	FY15	FY16	FY18	FY19	FY20	FY21Q1	FY21Q2	FY21Q3	% Change Since FY08	% Change Since FY15	% Change Since FY20
Navy	16,353	18,932	19,121	19,423	20,816	21,623	23,678	24,470	25,149	25,018	24,922	24,963	53%	20%	-1%
MARINE CORPS	223	338	377	374	365	354	336	327	329	332	338	330	48%	-10%	0%
AIR FORCE	6,429	7,625	8,570	8,473	8,903	9,139	9,535	9,974	10,549	10,402	10,512	10,724	67%	20%	2%
ARMY	10,769	10,644	9,810	8,981	8,986	9,140	9,160	9,207	9,183	9,278	9,285	9,313	-14%	4%	1%
DCMA	282	813	974	1,157	1,181	1,271	1,238	1,277	1,208	1,185	1,165	1,148	307%	-3%	-5%
MDA	281	623	644	605	582	601	604	615	591	585	569	555	98%	-5%	-6%
DISA	89	58	69	74	70	70	89	85	71	69	71	71	-20%	1%	0%
NRO	-	-	-	-	-	66	64	80	108	116	133	152			41%
DAU	33	46	49	40	38	45	48	47	47	46	46	45	36%	18%	-4%
DTRA	7	27	35	44	43	47	21	18	16	13	12	12	71%	-72%	-25%
DMEA	-	29	23	20	20	32	27	39	46	46	48	48		140%	4%
OSD	31	25	21	23	24	22	16	13	20	20	22	25	-19%	4%	25%
DLA	19	16	11	11	11	13	12	12	8	9	9	9	-53%	-18%	13%
DHA	2	9	10	6	2	4	9	9	7	6	9	11	450%	450%	57%
JCS	-	-	12	10	8	7	8	6	6	7	7	6		-25%	0%
DeCA	-	-	-	-	-	3	4	5	4	4	4	4			0%
TRMC	-	-	1	1	1	1	1	1	1	-	-	-		-100%	-100%
DTIC	1	-	-	-	-	-	-	-	-	-	-	-	-100%		
DSCA	1	-	-	-	-	-	-	-	-	-	-	-	-100%		
IG	1	-	-	-	-	-	-	-	-	-	-	-	-100%		
USUHS	-	-	-	-	-	-	-	-	-	-	1	1			
ASD	-	4	1	-	-	-	-	-	-	-	-	-			
TOTAL	34,521	39,189	39,728	39,242	41,050	42,438	44,850	46,185	47,343	47,136	47,153	47,417	↑ 37%	↑ 16%	↑ 0%



Engineering Workforce Historical Size by Agency (Quarterly)



Engineering Defense Acq Workforce Agency	FY17Q4	FY18Q1	FY18Q2	FY18Q3	FY18Q4	FY19Q1	FY19Q2	FY19Q3	FY19Q4	FY20Q1	FY20Q2	FY20Q3	FY20Q4	FY21Q1	FY21Q2	FY21Q3	% Change Since FY20Q3
Navy	22,297	22,276	22,376	22,726	23,678	23,650	23,608	23,834	24,470	24,334	24,344	24,501	25,149	25,018	24,922	24,963	3%
MARINE CORPS	341	339	336	342	336	328	325	321	327	328	332	334	329	332	338	330	-1%
AIR FORCE	9,276	9,178	9,271	9,385	9,535	9,604	9,652	9,572	9,974	10,007	10,088	10,262	10,549	10,402	10,512	10,724	6%
ARMY	9,096	9,084	9,060	9,024	9,160	9,148	9,094	9,090	9,207	9,189	9,144	9,082	9,183	9,278	9,285	9,313	2%
DCMA	1,229	1,226	1,231	1,220	1,238	1,223	1,241	1,263	1,279	1,282	1,273	1,245	1,208	1,185	1,165	1,148	-10%
MDA	603	597	594	594	604	602	606	609	615	607	604	596	591	585	569	555	-8%
DISA	66	68	66	68	89	88	87	83	85	85	84	68	71	69	71	71	-15%
NRO	78	78	72	56	64	64	69	75	80	83	95	103	108	116	133	152	60%
DAU	43	46	47	48	48	48	48	49	47	49	47	47	47	46	46	45	-4%
DTRA	35	31	30	30	21	18	18	19	18	19	18	16	16	13	12	12	-33%
DMEA	31	32	31	29	27	27	27	33	39	43	42	43	46	46	48	48	14%
OSD	22	22	22	21	16	16	14	16	14	16	15	18	20	20	22	25	67%
DLA	14	14	14	15	12	12	13	12	13	10	10	8	8	9	9	9	-10%
DHA	8	8	9	9	9	10	10	9	9	9	-	9	7	6	9	11	
JCS	6	6	8	7	8	8	8	7	6	5	5	5	6	7	7	6	20%
DeCA	3	4	4	5	4	3	4	5	5	-	-	4	4	4	4	4	
TRMC	1	1	1	1	1	1	1	1	1	-	1	1	1	-	-	-	-100%
USUHS									-	-	-	-	-	-	1	1	
TOTAL	43,149	43,010	43,172	43,580	44,850	44,850	44,825	44,998	46,189	46,066	46,102	46,342	47,343	47,136	47,152	47,417	3%

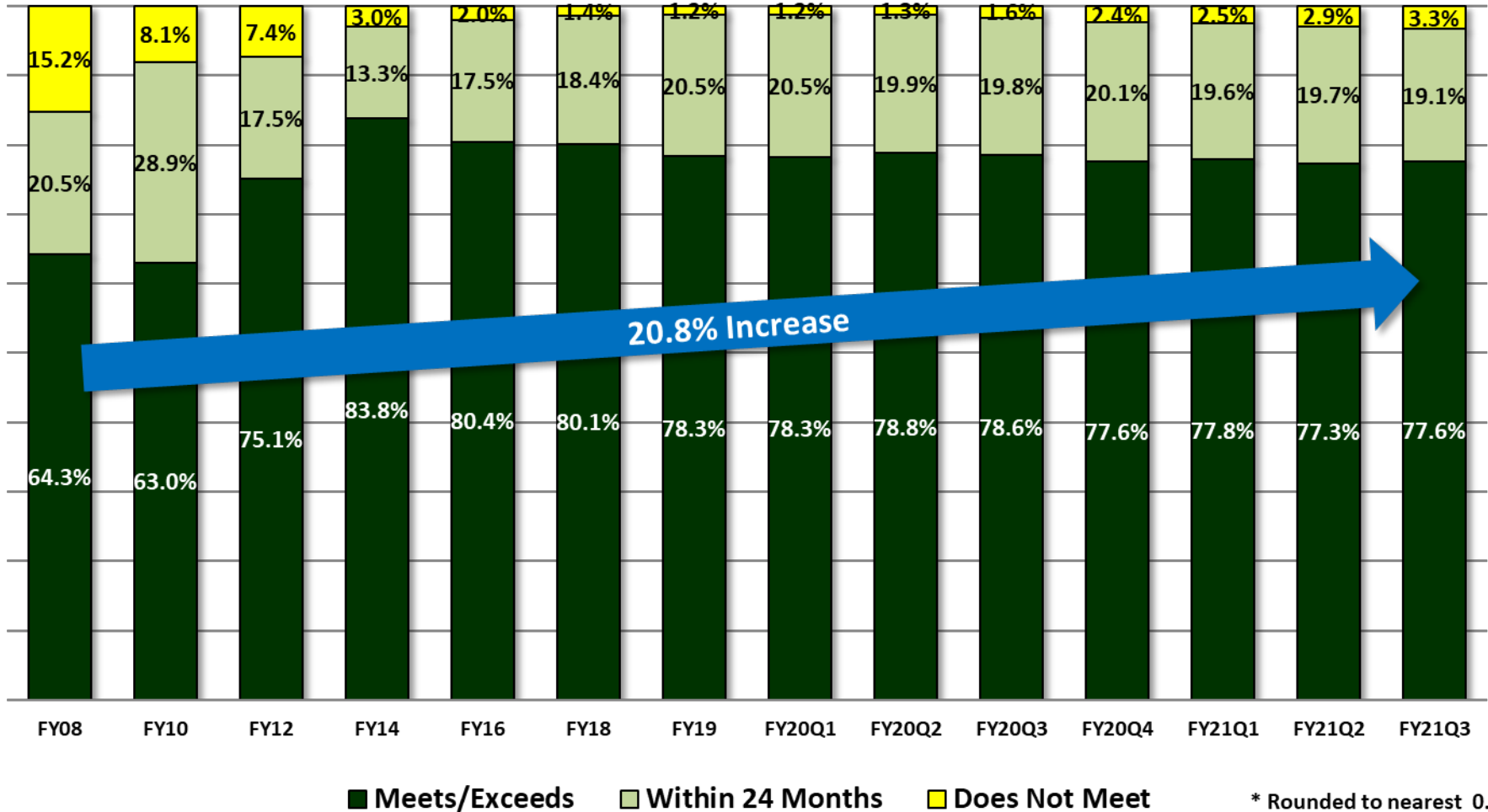




Engineering Manager Historical DAWIA Certification FY08 – FY21Q3



Engineering

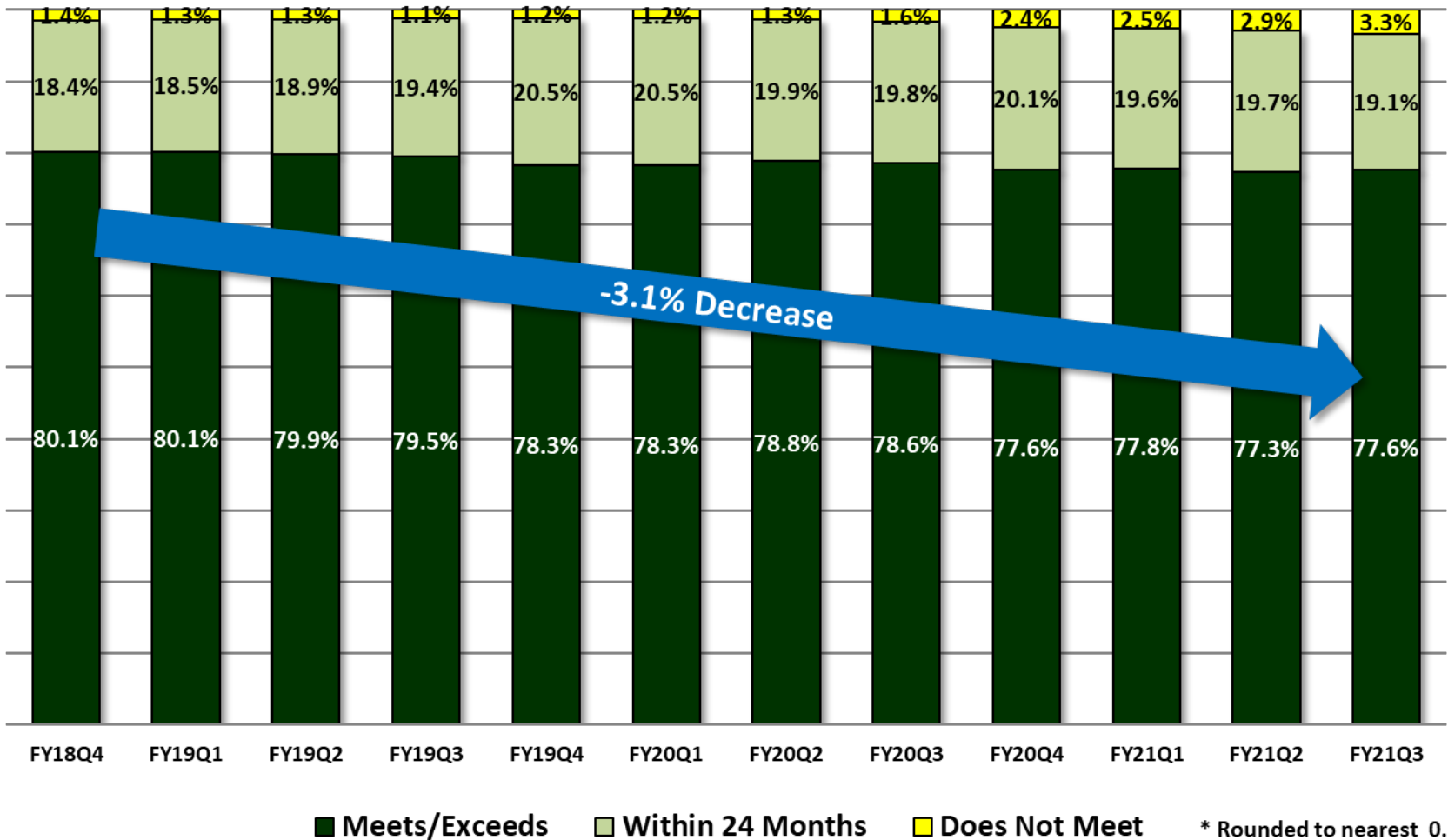




Engineering Manager Historical (Quarterly) DAWIA Certification



Engineering

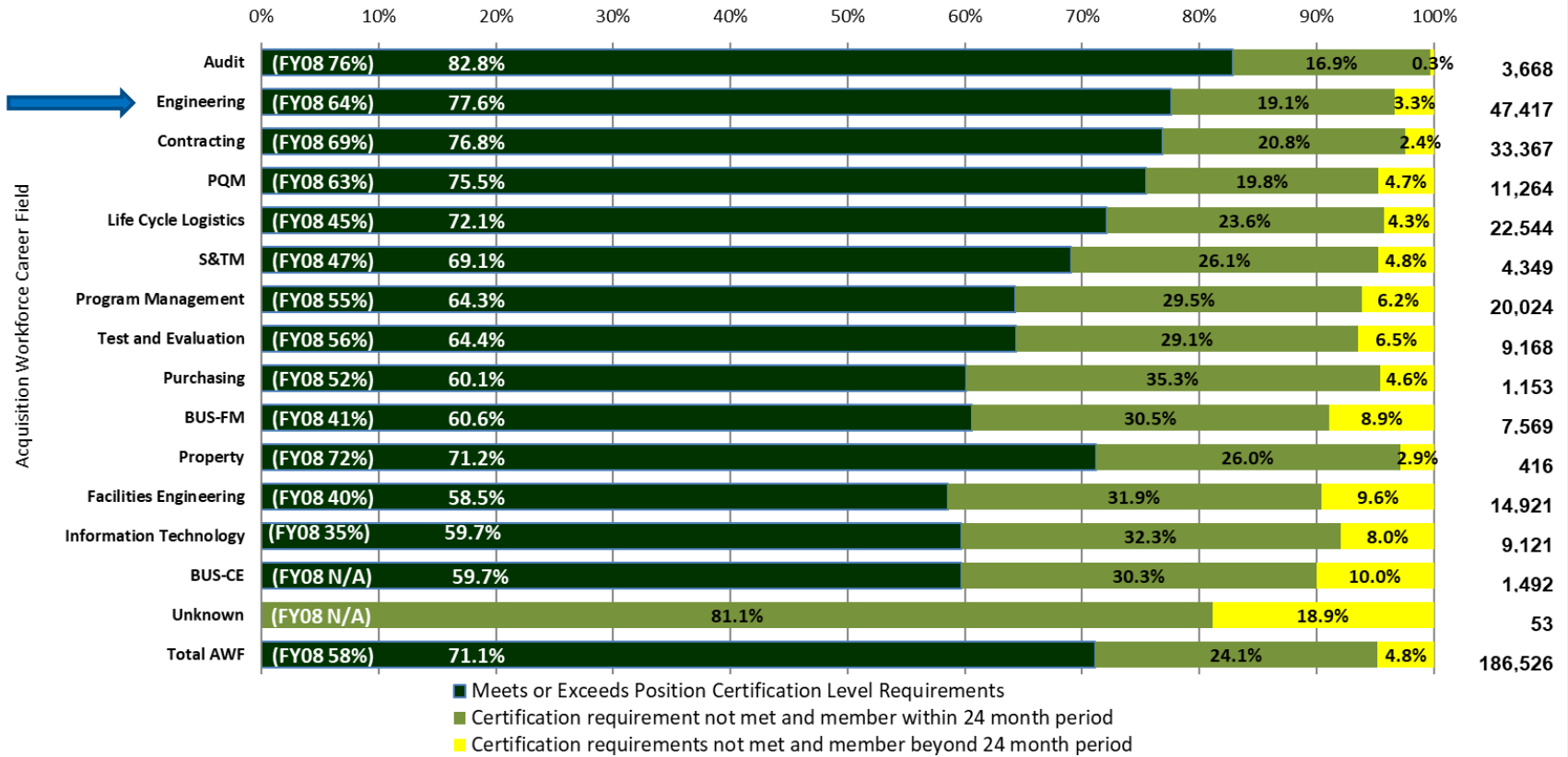




DAWIA Certification by Career Field



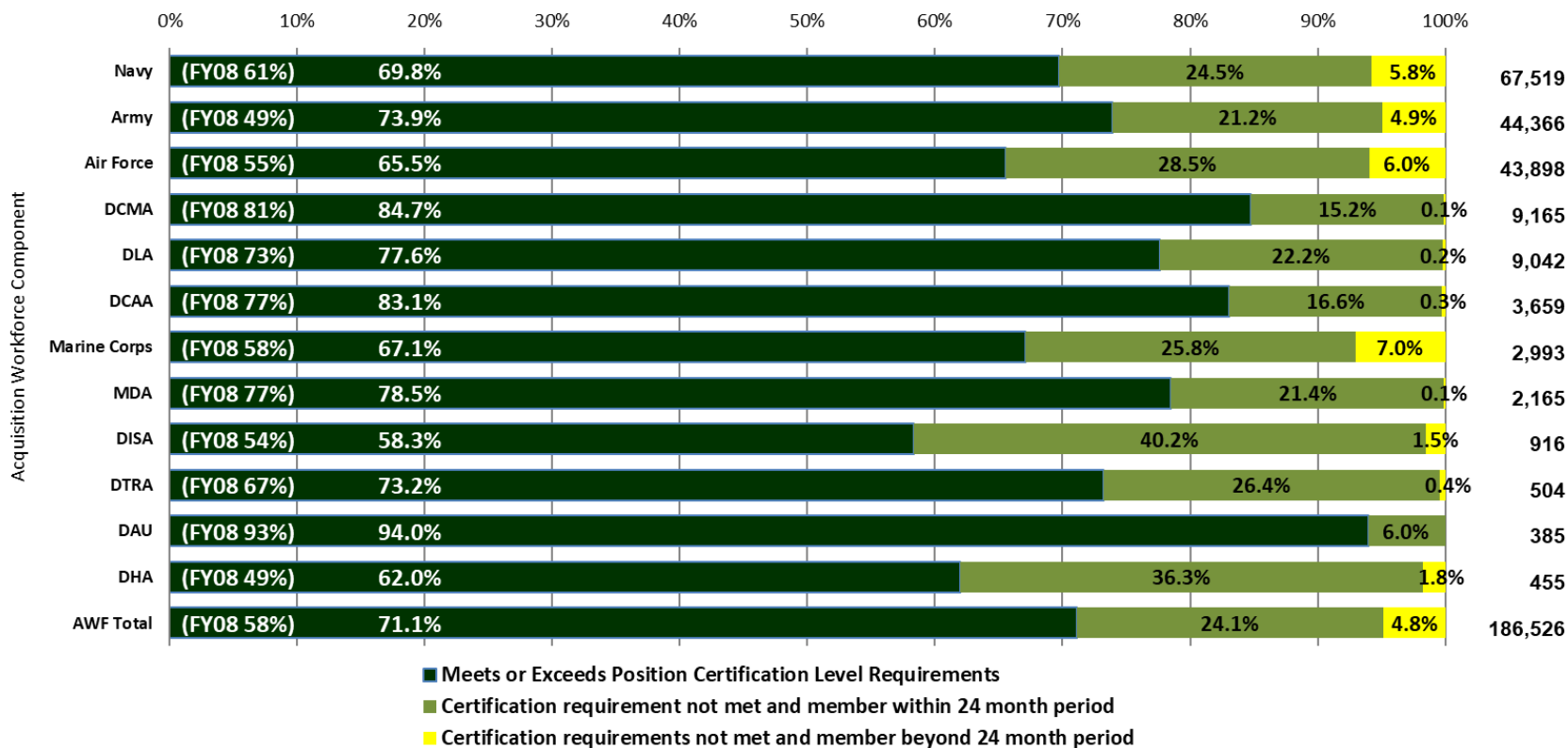
Certification Level "Meet/Exceed" Rates by Career Field AWF (FY21Q3)





Engineering DAWIA Certification by Component

Certification Level "Meet/Exceed" Rates by Component AWF (FY21Q3)





Engineering DAWIA Certification Matrix + Bench Strength

Engineering

Required Certification Level	Achieved Certification Level				FY2021Q3 TOTAL	% Meets Certification Requirement
	No Level Achieved	Level I	Level II	Level III		
Level I	3,997	6,958	1,526	1,292	13,773	71.0%
Level II	2,139	2,310	7,813	5,743	18,005	75.3%
Level III	732	455	966	13,474	15,627	86.2%
<i>Unspecified</i>	5	-	3	4	12	
FY2021Q3 TOTAL	6,873	9,723	10,308	20,513	47,417	77.6%
	14.5%	20.5%	21.7%	43.3%		

No Level Achieved includes those within the 24 month grace period

Bench Strength			
Org	# Meet or % Meets or Exceeds		Career Field Rank
	Exceeds	Exceeds*	
DAW	132,683	71.1%	
Army	32,787	73.9%	
Navy	47,095	69.8%	
Marine Cor	2,009	67.1%	
Air Force	28,769	65.5%	
4th Estate	22,023	79.4%	
Engineering	36,806	77.6%	1 of 14

** Based on population total without unspecified positions

Certification Requirement	Meets	Within 24 Months	Does Not Meet	DAW TOTAL	
Level I	9,776	3,586	411	13,773	29.0%
Level II	13,556	3,696	753	18,005	38.0%
Level III	13,474	1,748	405	15,627	33.0%
<i>Unspecified</i>	4	8	-	12	0.0%
Engineering TOTAL	36,810	9,038	1,569	47,417	
	77.6%	19.1%	3.3%		

 = Compliance
 = Exceeds Requirements

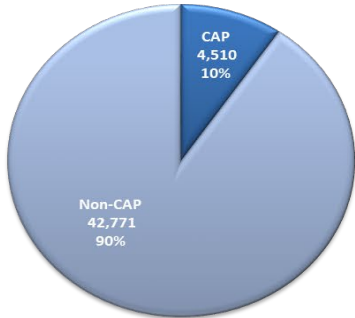
* NOTE: Rounded to nearest 0.1%



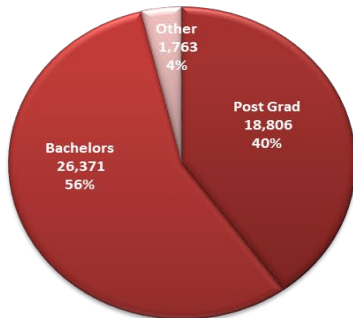
Demographics



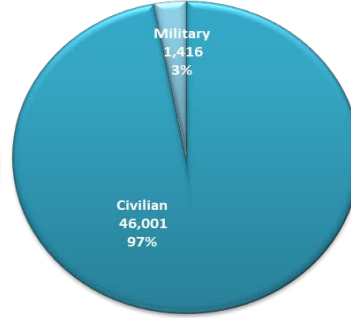
KLP - CAP - Non-CAP



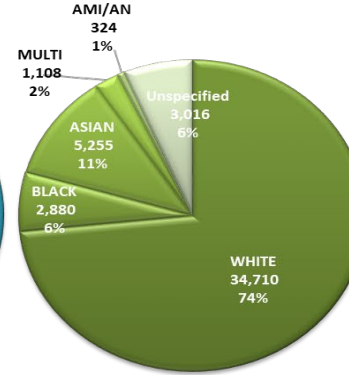
Education



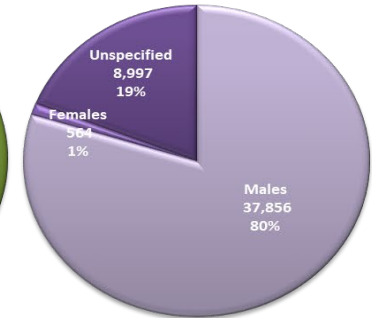
Civilian / Military



Race



Gender



Occupied Position Type	ENG TOTAL	Entire AWF
Key Leadership Positions (KLPs)	136 <i>0.3%</i>	1,129 <i>0.6%</i>
Critical Acquisition Positions (CAPs) *	4,510 <i>9.5%</i>	17,593 <i>9.4%</i>
Non-CAP Positions	42,771 <i>90.2%</i>	167,805 <i>90.0%</i>
Unknown	- <i>0.0%</i>	- <i>0.0%</i>
TOTAL	47,417	186,527

* = Number of CAPs, excluding KLPs (no double counts)

Highest Level of Education	ENG TOTAL	Entire AWF
Post Grad	18,806 <i>39.7%</i>	72,665 <i>39.0%</i>
Bachelors	26,371 <i>55.6%</i>	80,115 <i>43.0%</i>
Some College	295 <i>0.6%</i>	12,151 <i>6.5%</i>
High School	182 <i>0.4%</i>	13,452 <i>7.2%</i>
Other	1,763 <i>3.7%</i>	8,144 <i>4.4%</i>
TOTAL	47,417	186,527

Type	ENG TOTAL	Entire AWF
Civilian	46,001 <i>97.0%</i>	170,559 <i>91.4%</i>
Military	1,416 <i>3.0%</i>	15,967 <i>8.6%</i>
Unknow	- <i>0.0%</i>	- <i>0.0%</i>
TOTAL	47,417	186,526

Race	ENG TOTAL	Entire DAW
WHITE	34,710 <i>73.2%</i>	131,463 <i>70.5%</i>
BLACK	2,880 <i>6.1%</i>	21,443 <i>11.5%</i>
ASIAN	5,255 <i>11.1%</i>	12,813 <i>6.9%</i>
MULTI	1,108 <i>2.3%</i>	5,481 <i>2.9%</i>
AMI/AN	324 <i>0.7%</i>	1,358 <i>0.7%</i>
PI	124 <i>0.3%</i>	1,031 <i>0.6%</i>
Unspecified	3,016 <i>6.4%</i>	12,938 <i>6.9%</i>
TOTAL	47,417	186,527

Gender	ENG TOTAL	Entire DAW
Males	37,856 <i>79.8%</i>	126,028 <i>67.6%</i>
Females	564 <i>1.2%</i>	53,080 <i>28.5%</i>
Unspecified	8,997 <i>19.0%</i>	7,419 <i>4.0%</i>
TOTAL	47,417	186,527



Engineering Size by Occupational Series

Civilian Occupational Series	ENG TOTAL	
0855 - Engineer, Electronics	10,092	21.9%
0801 - Engineer, General	10,147	22.1%
0830 - Engineer, Mechanical	7,381	16.0%
1550 - Computer Scientist	5,286	11.5%
0861 - Engineer, Aerospace	3,140	6.8%
0854 - Engineer, Computers	2,849	6.2%
0850 - Engineer, Electrical	1,845	4.0%
1515 - Operations Research Analyst	693	1.5%
1310 - Physicist	652	1.4%
0893 - Engineer, Chemical	519	1.1%
Other	3,397	7.4%
TOTAL CIVILIAN	46,001	Civilians