



Ministry  
of Defence

**Head of Defence Statistics (Air)**

**MINISTRY OF DEFENCE**

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[REDACTED]

12 August 2019

Dear [REDACTED],

Thank you for your email of 13 July 2019 requesting the following information pertaining to a Sergeant in the Aircraft Technician (Mechanical) trade with 20 years length of service:

*“Using a 7-year span of data from 2010/11 to 2018/19. I am interested in figures regarding:*

- *Average and median length of service.*
- *% chance of promotion into rank from LAC and each subsequent rank to WO*
- *% chance of promotion into rank from LAC through to WO, having already achieved the previous rank.*
- *Average total length of reckonable service on promotion into rank LAC through WO*
- *Average total length of service on outflow*
- *% chance, year on year, of serving through from LOS 20 to LOS 40.*

*It would be most useful if it were at all possible for you to provide the same data for a new entrant to this trade, should it fall within the allowed research parameters.”*

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

The information you have requested can be found in the Adobe (.pdf) files attached to the email.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely,

Head of Defence Statistics (Air)

Would you like to be added to our contact list so we can consult with you if we are thinking about making any changes to the statistics we compile? Please register your interest by e-mailing [defstrat-stat-air@mod.gov.uk](mailto:defstrat-stat-air@mod.gov.uk)

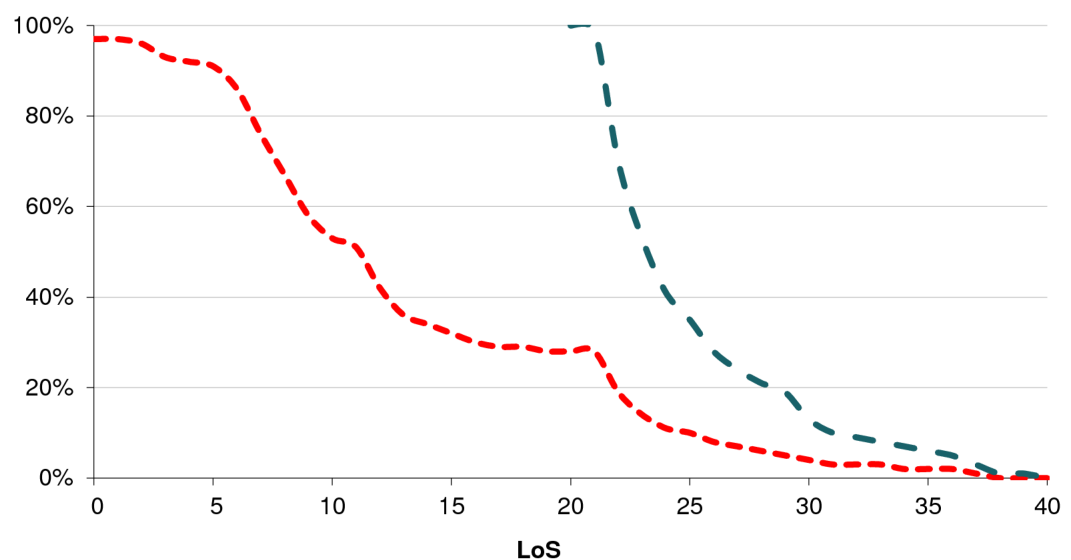
## Career Projection for a New Entrant and Sgt with 20 years length of service in the Aircraft Technician (Mechanical) Trade

LoS <sup>1</sup>	% chance of reaching LoS for a....	
	New Entrant	Sgt with 20yrs LoS
0	97%	
1	97%	
2	96%	
3	93%	
4	92%	
5	91%	
6	86%	
7	76%	
8	67%	
9	58%	
10	53%	
11	51%	
12	42%	
13	36%	
14	34%	
15	32%	
16	30%	
17	29%	
18	29%	
19	28%	
20	28%	100%
21	28%	99%
22	19%	70%
23	14%	53%
24	11%	41%
25	10%	35%
26	8%	28%
27	7%	24%
28	6%	21%
29	5%	19%
30	4%	13%
31	3%	10%
32	3%	9%
33	3%	8%
34	2%	7%
35	2%	6%
36	2%	5%
37	1%	3%
38	0%	1%
39	0%	1%
40	0%	0%

	% chance of being promoted to subsequent ranks for a....		% chance of promotion into rank, having already achieved the preceding rank <sup>2</sup>	Average <i>total</i> length of service on promotion in to rank for a....	
	New Entrant	Sgt with 20yrs LoS		New Entrant	Sgt with 20yrs LoS
AC/LAC	100%				
SAC	96%		96%	1 years 0 months	
SAC(T)	91%		94%	3 years 6 months	
CPL	50%		54%	9 years 2 months	
SGT	26%	100%	53%	15 years 6 months	
CHF TECH	14%	39%	54%	20 years 7 months	23 years 0 months
FS	4%	11%	30%	25 years 6 months	27 years 0 months
WO	2%	6%	46%	30 years 7 months	31 years 4 months

Average Length of Service <sup>3</sup>	14 years 2 months
Median Length of Service <sup>3</sup>	13 years
Average Return of Service <sup>4</sup>	19 years 1 month

**Survival Curves**



<sup>1</sup> 'LoS x' means 'LoS greater than or equal to x but less than x+1'. So 'LoS21', for example, is the chance of personnel serving more than or equal to 21 years but less than 22 years.

<sup>2</sup> 'Chance of promotion having already achieved the preceding rank' considers the trade as a whole and is not specific to LoS. It is based on trained and untrained personnel within the trade.

<sup>3</sup> Average and Median Length of Service are the average lengths of service of personnel on strength. It considers trained and untrained personnel within the trade and is not specific to rank or LoS.

<sup>4</sup> Average Return of Service is the average length of service on outflow. It considers trained and untrained personnel within the trade and is not specific to rank or LoS.

**Notes:**

- a. These data are based on the seven year span of actual data 2012/13 – 2018/19. By considering a cohort of individuals with the similar characteristics - **New Entrants** and **Sgts** in the **A Tech(M)** trade with **20 years LoS** - average career projections have been calculated.
- b. On promotion to FS, A Tech(M) and A Tech(Av) personnel join the A Eng Tech trade. These figures include projections for all A Eng Tech personnel.
- c. Defence Statistics' career forecasts are not based on the actual experience of any one individual, but rather are based on the historical behaviour of individuals with similar characteristics.