



Ministry
of Defence

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XXXXXXXXXXXX

Email: XXXXXXXXXXXXXXXX

08 February 2016

Dear XXXXXXXXXXXXXXX

Thank you for your email of 10 January 2016 requesting the following information:

“Please provide the Whole Trade Scores for each specialisation within the armed forces. These scores are referred to in your recent publication ‘Armed Forces Pay Reform Explained’.”

This has been considered as a request for information in accordance with the Freedom of Information Act 2000 (FOI Act) and I can confirm that the MOD does hold information within scope of your request.

Please find attached Annex A Trade Supplement Placement scores which should assist in answering your request.

Under Section 16 of the FOIA (Advice and Assistance), you may also find the additional attached Annex B Job Evaluation Explained useful. Annex B outlines an overview of how the trade scores were established.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.uk). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.org.uk>.

Yours sincerely,

Defence People Secretariat

NEM THROUGH CAREER WHOLE TRADE SCORES (WTS)

Alphabetical Order by Supplement

TSP WITH WHOLE TRADE SCORES (WTS)

Supplement 1		WTS
RAF	Aerospace Systems Operating and Air Traffic Control including Aerospace Systems Operator/Manager, Flight Operations Assistant/Manager	287.4
ARMY	Army Welfare Worker	296.2
ARMY	Custodial NCO	289.4
AHP	Dental Nurse	285.0
RN/RM	Family Services	298.6
RAF	Firefighter	289.2
AHP	Health Care Assistant	295.3
RN/RM	Hydrography & MET (including legacy NA(MET))	293.0
RN/RM	Logs (Writer) inc SM	297.4
RAF	Logistics (Caterer) including Logistics (Catering Manager)	280.4
RAF	Logistics (Chef) including Logistics (Catering Manager (Chef))	295.0
RN/RM	Logs (Steward) inc SM	292.8
RN/RM	Logs (Chef) inc SM	299.0
RAF	Logistics (Driver)	298.0
RAF	Logistics (Supplier)	293.0
ARMY	ME Trade Gp 2	299.0
ARMY	Mil Pol (GPD)	298.7
ARMY	Mil Pers Admin	285.9
ARMY	Musician	298.6
RAF	Musician	301.5
RN/RM	Naval Airman (Phot)	287.5
RAF	Personnel (Support)	286.6
RAF	Photographer	296.8
RN/RM	PTI	288.0
ARMY	R Sigs Gp 3	290.4 - 298.7
ARMY	RA Command Systems	298.4
ARMY	RA Logistics	289.4
ARMY	RA Strike	297.8
ARMY	RAPTC Instr	284.4
RAF	RAF Medic	298.2
RAF	RAF Physical Training Instructor	285.5
ARMY	RAVC Dog Trainer	293.9
ARMY	RAVC Veterinary Tech	293.9
RN/RM	Regulator	291.5
ARMY	REME Tech Support Spec	298.0
ARMY	RLC Chef	301.4
ARMY	RLC Driver	293.4
ARMY	RLC Dvr Comms Spec	299.4
ARMY	RLC Dvt TK Tptr	295.0
ARMY	RLC Laundry Op	No parent Reg Trade
ARMY	RLC Log Spec (Sup)	298.6
ARMY	RLC Pet Op	301.7
ARMY	RLC Photographer	301.8
ARMY	RLC Pioneer	295.5
ARMY	RLC Port Op	298.3
ARMY	RLC Postal & Courier Op	297.9
ARMY	RLC System Analyst	298.7
ARMY	RLC VSS	295.9
RN/RM	RM Musician	299.8

Supplement 2		WTS
ARMY	AAC Groundcrew Sldr	303.6
RAF	Air Cartographer	304.2
RN/RM	Comms Inf Sys inc SM & WS	300.4
ARMY	Crewman 2	302.1 - 305.7
AHP	Dental Hygienist	321.3
AHP	Dental Technician	299.6
RAF	Aircraft Engineering (Weapon) including Engineering Technician Weapon and Weapon Technician	304.5
RAF	General Engineering including General Engineering Technician, General Technician Electrical, General Technician (Mechanical) and General Technician Workshops	305.4
RAF	Gunner RAF Regiment	291.3
RAF	Information and Communications Technology Communications Infrastructure Technician/ Manager	301.8
RAF	Information and Communications Technology Technician/ Manager	304.0
ARMY	Infantry	300.9
ARMY	Instructor SASC	304.9
RN/RM	Logs (Supply Chain) inc SM	305.0
RAF	Logistics (Mover)	299.6
ARMY	ME GEO & Trade Gp 3	314.7 - 317.3
ARMY	Mil Pol (SIB)	302.4
RN/RM	Mine Warfare	300.0
RN/RM	Naval Airman (AH)	301.6
RN/RM	Naval Airman (SE)	298.8
AHP	Pharm Tech	300.0
ARMY	RA GW	299.0
ARMY	RA SPEC OB	304.6
ARMY	RA Targeting	304.6
ARMY	RA TUAS Pilot	Placed Trade*
ARMY	RA UAS	304.6
ARMY	R Sigs Gp 1B	300.5 - 304.8
ARMY	R Sigs Gp 2	304.0 - 310.6
RAF	RAF Police	299.8
ARMY	REME Armourer	305.4
ARMY	REME Metalsmith	304.4
ARMY	REME Rec Mec	299.7
ARMY	REME Shipwright	304.3
ARMY	REME VM	303.6
ARMY	RLC Air Desp	306.7
ARMY	RLC Mariner	309.0
ARMY	RLC Mov Con	301.6
ARMY	RLC Mov Op	301.6
RN/RM	RM GD SQ	303.7
RN/RM	RM MESM, Mech & Tech	303.0
RN/RM	Seaman Spec	305.4
RAF	Survival Equipment Fitter	299.6
RN/RM	Warfare Spec	301.6
RAF	Non-Commissioned Aircrew - Weapon Systems Operator	Placed Trade*

*JE not carried out as Trade awaiting new operating systems

Supplement 3		WTS
RAF	Aircraft Engineering (Avionics) including Aircraft Engineering Technician, Aircraft Technician (Avionics) and Aircraft Maintenance Mechanic (Avionics)	310.2
RAF	Air Engineering (Mechanical) including Aircraft Engineering Technician, Aircraft Technician (Mechanical) and Aircraft Maintenance Mechanic (Mechanical)	308.4
RN/RM	Air Engineering Technician	309.7
RN/RM	Aircrewman (RM, ASW, CDO)	329.8
RAF	Air Traffic Controller	323.6
AHP	Biomedical Scientist	314.2
ARMY	Combat Med Tech	308.2
RN/RM	Comms Tech	314.6
RN/RM	Coxn (SM)	329.4
RN/RM	Diver	322.8
RN/RM	Eng Tech (ME & MESM)	311.2
RN/RM	Eng Tech (WE & WESM)	309.2
AHP	Environmental Health Tech	312.2
RAF	Intelligence Analyst	314.2
RAF	Intelligence Analyst (Voice)	315.2
ARMY	MAN ACCT	324.9
ARMY	ME Trade Gp 1	316.4
RN/RM	Naval Airman (AC)	316.8
AHP	Operating Department Practitioner	309.0
ARMY	OP MI	309.2
ARMY	OP TI	306.2
ARMY	R SIGS Gp 1A	320.6 - 325.9
AHP	Radiographer	324.6
ARMY	ME Clk of Wks	323.3
ARMY	REME Artificer	317.9
ARMY	REME TECH AC/AV	308.5
ARMY	REME Tech Elect	306.5
ARMY	RLC Ammo Tech	324.0
ARMY	RLC Marine Engineer	309.9
RN/RM	RM Art Veh & Y of S	319.6
RN/RM	RM Comms Tech	313.8
RN/RM	RM Info Sys	306.8
RN/RM	RN & RM Medic	311.0
RAF	SNCO Weapons Controller	323.2

Supplement 4		WTS
ARMY	Army Air Corps Pilot	377.4

Job Evaluation Explained

Many large organisations make use of Job Evaluation (JE) to inform their pay strategies, and the MoD has used JE since 1970 to deliver a 'consistent and systematic means of defining relativities between jobs'. JE is a very detailed process which examines trades against a set of common questions, or Factors, to enable a relative assessment of 'job weight' of different trades. Job weight is expressed in a numerical score, known as a Whole Trade Score (WTS) which is used to inform pay differentiation of one group compared to another.

Who conducts JE for the Armed Forces?

JE is conducted by the Joint Service JE Team (JSJET) which consists of a C1 Civil Servant, as Team Leader, supported by 4 WO1 military JE analysts, including at least one from each Service. The rank by rank JE scores are determined by an independent judging panel of 3 x OF5s; one from each Service. Unlike many other organisations that choose to 'buy in' JE assessments on a periodical basis, the Ministry of Defence has for many years invested in a permanent JE capability: importantly, this provides continuity of understanding of the many variations of military jobs, and enables a more agile response to dealing with change.

What are the JE Factors?

The JE process used by Defence assesses positions against 6 Factors, described in the table below:

JE FACTOR	DESCRIPTION
1	Knowledge, skills and experience needed for the post and the range of application required.
2	Complexity and mental challenge of the job.
3	Judgement and decision-making, and the impact of the job's output on the success of the organisation.
4	Use of resources (Personnel, Equipment, Budgets etc); the level of supervision undertaken and the jobholder's influence in the organisation.
5	Communication; the level of internal and external communications and their significance.
6	Working conditions; health and safety aspects, bodily constraints and physical environment of the job in question.

Each factor has two or more 'elements', each of which has 'level descriptors' which set out to define and rank the demands of the job. The levels accorded to each element are used to generate a numerical score for the factor by reference to a pre-determined Scoring Matrix. Each factor has a different weight within the overall score and the proportion of the overall score generated by each factor can vary significantly from job to job, depending on its range of duties and its level within the organisation. Added together, the combined scores of the factors provide the WTS and reflect the 'job weight'.

How Does the JE Process Work?

A detailed analysis is undertaken of how a trade is employed at each rank (this is known as Statistics of Coverage). This analysis determines how each rank within the trade is sampled. Each job sampled should be representative of a number of other jobs within the same trade. Statistics of Coverage are agreed with the appropriate Trade Sponsor/Branch Manager who also selects individual jobs for evaluation in accordance with the criteria set out in the Statistics of Coverage and, where appropriate, representing a cross section of experience.

Each representative job is analysed and a detailed job description prepared for it. Each job is examined in detail against the JE Factors described above to define and rank the demands of the job. Once all the representative jobs have been evaluated to provide the 'job weight' a Whole Trade Score (WTS) is calculated.

The WTS is a weighted average score for the rank/trade, based on the Statistics of Coverage. In practice, this means that if one job is representative of 30% of the trade and rank, the resultant job score will make a 30% contribution to the WTS. The greater the percentage covered by a representative job or jobs, the greater the impact on the WTS.

The representative posts evaluated must amount to a minimum of 70% of the total liability for that trade and rank; this is designed to ensure that resultant JE scores are indeed representative of employment within each trade. Typically, statistical coverage of 85% or more is achieved, providing a very extensive evidence base on which the JE Judges can base their decisions.

The process includes considerable interaction with members of the trade undergoing the JE. This includes JE analyst interviews (conducted by Service WOs who form part of the JSJET) with personnel serving in representative posts. In addition, 'benchmark visits' are conducted by JE Judges who visit a unit or units where there is an opportunity for the trade to 'showcase' itself by demonstrating and explaining the requirements of their jobs. These visits are invaluable to understanding the nuances contained in the written job descriptions and enable the judges to gain a genuine understanding of the trade and the requirements of individual jobs. Service personnel are generally good at selling themselves and what they do, and are keen to have a role in a process that affects their pay.

The whole JE process is open and transparent to the trade managers/sponsors and those involved in the process. Full judging sessions are formal affairs held in front of trade managers and specialist advisors each of whom emerges from the experience feeling that their trade has been fairly examined. The judges have to achieve consensus in their scores for each factor of each job; this can lead to rigorous debate on any contentious issues, demonstrating the very careful consideration that underpins JE.

Defence recently commissioned an independent re-validation of the JE process by an external consultant. This assessment found the Armed Forces approach to JE was the most detailed and comprehensive examination of any identified in the Public or Private Sectors, and was deemed to be fit for purpose. Defence is reassured that the process delivers accurate outcomes.

Application of the JE WTS Under Pay 2000.

Under Pay 2000, pay differentiation for Other Ranks is achieved through the use of two Pay Bands – High and Low. The 2 bands are separated by a High/Low Pay Boundary Line (PBL), and the level of the PBL is set at a different score for each rank (as agreed by the single Services). For example, the PBL for OR6 (Petty Officer/Sergeant/Flight Sergeant) is set at a WTS of 290 points. Ordinarily, a trade scoring above or below this line at OR6 would be placed (respectively) in the High or Low Pay Band. However, in instances where the WTS for a particular rank/trade is very close to the PBL¹, the relevant single Service is able to make a case for placing the group in either Pay Band, under a process known as 'Management Discretion' (MD).

Pay 2000 applies differentiation at each rank within OR Trades. One of the consequences of this approach is that, within a single trade, individuals can find themselves placed in the High Pay Band at one rank and then, on promotion, find themselves placed in the Lower Pay Band at the higher rank; or vice versa. This is known as 'flip-flop'. Other Ranks have expressed considerable dissatisfaction with 'flip-flop' and the resultant effects which include early topping out of incremental pay progression. This dissatisfaction, relayed to - and highlighted by - the independent Armed

¹ Fundamentally, where the WTS is within 5% above or below the PBL (e.g. for OR6, with a Pay Boundary of 290 points, the Discretionary Zone is between 275-305 points).

Forces Pay Review Body, has been addressed in the design of the NEM Pay System. Additionally, the Pay Boundary Lines have not been reviewed under Pay 2000 and we have seen the number of roles in the High Pay Band increase as the nature of roles change through the advent of new technology or changing operational requirements. This has resulted in an increasing pay bill, and at the same time has reduced the effectiveness of the pay model in terms of its ability to differentiate pay across the wide range of different OR Trades.

Application of WTS under the NEM Pay Structure

The NEM pay structure will continue to use JE evidence to inform pay differentiation. However, informed by Other Ranks' dissatisfaction with some of the Pay 2000 outcomes (such as 'flip flop') NEM will apply JE evidence in a different way to Pay 2000. The changes are as follows:

- a. The rank by rank JE scores are incorporated² into a Through Career Whole Trade Score (TC WTS) which enables the relative job weight of trades to be assessed and compared on a through career basis. This avoids situations such as 'flip-flop' and better enables personnel to understand their through career pay 'journey'.
- b. The NEM Pay Model replaces the 2 band (High/Low) differentiation with a 4-Supplement structure for Other Ranks. Importantly, and unlike Pay 2000, Supplement boundaries are not governed by a fixed-point boundary (PBL). Instead, and informed by the JE evidence, the trade-to-supplement placement reflects tri-Service judgement/agreement on which trades should feature within each of the 4 supplements. This judgement includes consideration of the need to differentiate (or target) pay, fairness, and affordability. This approach is more agile and resilient than the prescriptive PBL approach of Pay 2000, and ensures that decisions on pay supplement groupings can focus on the most important output of JE – the relativity of job weight across different trades.

JE & JE Light

When Pay 2000 was introduced there was a full re-evaluation of all trades, which took nearly 6 years to complete. A work programme was then introduced to re-examine all trades on a rolling basis. This was subsequently amended to focus specifically on re-evaluating trades where there had been significant changes to structure and/or role. With the arrival of NEM, the primary focus for work became updating JE data in preparation for the new Pay Model. Since then the JE team has completed all the full evaluations that had already been started and introduced a new process entitled JE Light to update the scores of those trades not evaluated in the previous 5 years or so, on a case by case basis. The JE Light process focuses on what has changed since the last full evaluation. The judges are briefed thoroughly on each trade in terms of numbers, structure, training and role. A one day benchmark visit is undertaken, with the opportunity to speak to trade personnel in depth about their jobs. This information is compared with any historical JE data for that trade. Representative jobs are selected for each rank and the judges make evidence based judgments on variations to the scores for each factor. This is completed in front of trade managers and specialists.

All this activity has been undertaken to ensure good quality JE evidence, with the work programmes agreed with the single Service Pay Colonels. It was completed at the end of February 2015 to enable subsequent decisions by the three Service's Principal Personnel Officers on where different trades will be placed within the new pay model.

Looking ahead, the JSJET will continue to conduct JE for both Officers and Other Ranks, and this information will continue to be used by the independent Armed Forces Pay Review Body to inform pay comparability assessments.

² Using a mathematical formula developed by statistical experts in the Defence Statistics (Def Stats) organisation.

