

Statewide Deputy Fire Chief

Experience, Certifications, Training, and Education (ECT&E) Scoring Guide

This guide will serve as a reference for you to understand the point allocation for answers to each question on the ECT&E component of the 2023 Statewide Deputy Fire Chief Promotional Exam administered on November 18, 2023.

Please note that the information contained in this ECT&E scoring guide is applicable to only the Statewide Deputy Fire Chief's Exam administered on November 18, 2023 (which includes the Technical Knowledge Test and Situational Judgment Test). This guide should not be relied upon for any other exam administered on November 18, 2023, or any future exam administered by HRD. HRD reserves the right to change the point allocation or ECT&E categories for any future exam. All questions were scored based upon experience, certifications, trainings, and education as of the exam date: **November 18, 2023**.

Category and Maximum Allowable Points

The following chart displays the ECT&E categories and the maximum points available for each category. The available points for each category are capped at that amount. As you review the point allocation for answers to each question, you may notice that the sum of the points you can earn for a category may exceed the maximum points available for that category. Please note that you may not be given more than the maximum available points for a category, even if your total points exceed that capped amount.

| Category | Section | Maximum Points Available |
|------------------------------|----------------------------|--------------------------|
| Job Experience | Time In Department | 52 |
| | *Time Outside Department | |
| | **Outside Supervisory Time | |
| Certifications and Trainings | Certifications | 25 |
| | Trainings | |
| | Trade Licenses | |
| Education | Academic Schooling | 23 |

As you review the points allocated to each potential response, you will see that they are not distributed equally across the years of experience. This is because similar to the previous ECT&E, the new ECT&E gives a greater weight to more recent experience. Experience or education that is more relevant or important to the position is given a higher point value. Point values for experience are displayed to 2 decimal places.

* Firefighter and Supervisory time not within your current department

** Supervisory time outside of fire service

Questions and Allocated Points

Q1: Asked candidate to select their department.

Q2: Asked candidate if they wish to claim 25 years of Service Promotional Preference Points.

Q3: Asked whether the candidate understood the instructions for the Experience portion of the claim.

Q4-Q11: Job Experience

Q4: Indicate how many year(s) of permanent Firefighter experience you have in your current department as of the date of the written exam. Do not include time served after your first rank promotion.

| | |
|---------------|---------|
| No Experience | 0.0000 |
| 1 full year | 1.4280 |
| 2 full years | 2.7864 |
| 3 full years | 4.0768 |
| 4 full years | 5.3011 |
| 5 full years | 6.4610 |
| 6 full years | 7.5582 |
| 7 full years | 8.5945 |
| 8 full years | 9.5715 |
| 9 full years | 10.4911 |
| 10 full years | 11.3550 |
| 11 full years | 12.1649 |
| 12 full years | 12.9226 |
| 13 full years | 13.6298 |
| 14 full years | 14.2882 |
| 15 full years | 14.8997 |
| 16 full years | 15.4658 |
| 17 full years | 15.9885 |
| 18 full years | 16.4693 |
| 19 full years | 16.9101 |
| 20 full years | 17.3126 |
| 21 full years | 17.6785 |
| 22 full years | 18.0096 |
| 23 full years | 18.3076 |
| 24 full years | 18.5743 |
| 25 full years | 18.8114 |
| 26 full years | 19.0206 |
| 27 full years | 19.2037 |
| 28 full years | 19.3625 |
| 29 full years | 19.4986 |
| 30 full years | 19.6138 |
| 31 full years | 19.7098 |

| | |
|---------------|---------|
| 32 full years | 19.7885 |
| 33 full years | 19.8514 |
| 34 full years | 19.9005 |
| 35 full years | 19.9373 |
| 36 full years | 19.9637 |
| 37 full years | 19.9814 |
| 38 full years | 19.9922 |
| 39 full years | 19.9977 |
| 40 full years | 19.9997 |

Q5: Indicate how many year(s) of permanent Fire Lieutenant experience you have in your current department as of the date of the written exam.

| | |
|---------------|---------|
| No Experience | 0.00 |
| 1 full year | 3.1317 |
| 2 full years | 5.9654 |
| 3 full years | 8.5160 |
| 4 full years | 10.7984 |
| 5 full years | 12.8274 |
| 6 full years | 14.6181 |
| 7 full years | 16.1852 |
| 8 full years | 17.5437 |
| 9 full years | 18.7085 |
| 10 full years | 19.6944 |
| 11 full years | 20.5165 |
| 12 full years | 21.1895 |
| 13 full years | 21.7284 |
| 14 full years | 22.1481 |
| 15 full years | 22.4636 |
| 16 full years | 22.6896 |
| 17 full years | 22.8411 |
| 18 full years | 22.9329 |
| 19 full years | 22.9801 |
| 20 full years | 22.9975 |

Q6: Indicate how many year(s) of permanent Fire Captain experience you have in your current department as of the date of the written exam.

| | |
|---------------|---------|
| No Experience | 0.00 |
| 1 full year | 4.1317 |
| 2 full years | 6.9654 |
| 3 full years | 9.5160 |
| 4 full years | 11.7984 |
| 5 full years | 13.8274 |
| 6 full years | 15.6181 |

| | |
|---------------|---------|
| 7 full years | 17.1852 |
| 8 full years | 18.5437 |
| 9 full years | 19.7085 |
| 10 full years | 20.6944 |
| 11 full years | 21.5165 |
| 12 full years | 22.1895 |
| 13 full years | 22.7284 |
| 14 full years | 23.1481 |
| 15 full years | 23.4636 |
| 16 full years | 23.6896 |
| 17 full years | 23.8411 |
| 18 full years | 23.9329 |
| 19 full years | 23.9801 |
| 20 full years | 23.9975 |

Q7: Indicate how many year(s) of permanent District Fire Chief experience you have in your current department as of the date of the written exam.

| | |
|---------------|---------|
| No Experience | 0.00 |
| 1 full year | 5.1317 |
| 2 full years | 7.9654 |
| 3 full years | 10.5160 |
| 4 full years | 12.7984 |
| 5 full years | 14.8274 |
| 6 full years | 16.6181 |
| 7 full years | 18.1852 |
| 8 full years | 19.5437 |
| 9 full years | 20.7085 |
| 10 full years | 21.6944 |
| 11 full years | 22.5165 |
| 12 full years | 23.1895 |
| 13 full years | 23.7284 |
| 14 full years | 24.1481 |
| 15 full years | 24.4636 |
| 16 full years | 24.6896 |
| 17 full years | 24.8411 |
| 18 full years | 24.9329 |
| 19 full years | 24.9801 |
| 20 full years | 24.9975 |

Q8: Indicate the amount of experience you have as an acting, provisional and/or temporary after certification Deputy Fire Chief in your current department.

| | |
|------------------------|--------|
| No acting/provisional | 0.0000 |
| 1 month up to 2 months | 1.2753 |

| | |
|---------------------------|---------|
| 3 months up to 4 months | 2.5506 |
| 5 months up to 6 months | 5.3843 |
| 7 months up to 8 months | 6.4110 |
| 9 months up to 10 months | 7.4376 |
| 11 months up to 12 months | 8.2180 |
| 13 months up to 18 months | 9.4933 |
| 19 months up to 24 months | 10.7686 |
| 25 months up to 30 months | 11.9098 |
| 31 months up to 36 months | 13.0510 |
| 37 months up to 42 months | 14.0655 |
| 43 months up to 48 months | 15.0800 |
| 49 months up to 54 months | 15.9753 |
| 55 months up to 60 months | 16.8706 |
| 61 months or more | 17.6542 |

Q9: Indicate how many year(s) of experience you have as a Firefighter in a department other than your current department.

| | |
|---------------|--------|
| No Experience | 0.0000 |
| 1 full year | 1.9895 |
| 2 full years | 3.6183 |
| 3 full years | 4.9226 |
| 4 full years | 5.9384 |
| 5 full years | 6.7017 |
| 6 full years | 7.2487 |
| 7 full years | 7.6153 |
| 8 full years | 7.8377 |
| 9 full years | 7.9519 |
| 10 full years | 7.9940 |

Q10: Indicate how many year(s) of experience you have in a supervisory rank in a department other than your current department.

| | |
|---------------|--------|
| No Experience | 0.0000 |
| 1 year | 2.4869 |
| 2 years | 4.5229 |
| 3 years | 6.1533 |
| 4 years | 7.4230 |
| 5 years | 8.3772 |
| 6 years | 9.0609 |
| 7 years | 9.5192 |
| 8 years | 9.7971 |
| 9 years | 9.9399 |
| 10 years | 9.9925 |

Q11: Indicate how many year(s) of supervisory experience you have outside of the fire service. This includes military, maritime service and private companies.

| | |
|---------------|--------|
| No Experience | 0.00 |
| 1 full year | 0.4000 |
| 2 full years | 0.8000 |
| 3 full years | 1.0000 |
| 4 full years | 1.2000 |
| 5 full years | 1.4000 |
| 6 full years | 1.5000 |
| 7 full years | 1.6000 |
| 8 full years | 1.7000 |
| 9 full years | 1.8000 |
| 10 full years | 1.9000 |
| 11 full years | 2.0000 |
| 12 full years | 2.1000 |
| 13 full years | 2.2000 |
| 14 full years | 2.3000 |
| 15 full years | 2.3000 |
| 16 full years | 2.4000 |
| 17 full years | 2.4000 |
| 18 full years | 2.5000 |
| 19 full years | 2.5000 |
| 20 full years | 2.6000 |
| 21 full years | 2.6000 |
| 22 full years | 2.6000 |
| 23 full years | 2.7000 |
| 24 full years | 2.7000 |
| 25 full years | 2.7000 |
| 26 full years | 2.7000 |
| 27 full years | 2.8000 |
| 28 full years | 2.8000 |
| 29 full years | 2.8000 |
| 30 full years | 2.8000 |

Q12: Education

Q12: As of November 18, 2023, if you have a related and/or unrelated conferred degree(s) from a regionally accredited higher education institutions in the United States; or institutions outside the United States granting degrees or degree program credits that are recognized by one of the United States regional accrediting agencies or that are transferable to a regionally accredited higher education institution in the United States, choose the highest-ranked degree you have obtained*.

*Note: the degrees below are listed in order of highest-ranked (Related Master's or higher Degree) to lowest-ranked (Unrelated Associate's Degree).

| | |
|-----------------------------------|----|
| Related Master's or higher Degree | 23 |
|-----------------------------------|----|

| | |
|------------------------------|----|
| Related Bachelor's Degree | 20 |
| Related Associate's Degree | 17 |
| Unrelated Master's Degree | 14 |
| Unrelated Bachelor's Degree | 11 |
| Unrelated Associate's Degree | 8 |
| No degree | 0 |

Q13-Q15 Certifications and Trainings

Q13: Indicate if you hold a current EMT Basic, Advanced or Paramedic license as certified by the Massachusetts Department of Public Health (MDPH) or National Registry of Emergency Medical Technicians (NREMT) as of November 18, 2023.

| | |
|---------------------------|---|
| No license | 0 |
| Active EMT Basic/Advanced | 2 |
| Active Paramedic license | 2 |

Q14: As of November 18, 2023, select all of the certifications that you have successfully obtained.

| | |
|-------------------------------|------|
| No trainings completed | 0 |
| 1 training completed | 2.5 |
| 2 trainings completed | 5 |
| 3 trainings completed | 7.5 |
| 4 trainings completed | 10 |
| 5 trainings completed | 12.5 |
| 6 trainings completed | 15 |
| 7 trainings completed | 17.5 |
| 8 or more trainings completed | 20 |

Q15: As of November 18, 2023, select all trade licenses you have obtained. Only one trade will be accepted in each of the relevant categories.

| | |
|------------------|---|
| 1 trade license | 1 |
| 2 trade licenses | 2 |
| 3 trade licenses | 3 |

Scoring methodology:

You will receive an ECT&E score notice that will indicate the maximum points you earned in each category. In addition, the score notice will list any categories that you claimed but were not credited due to a lack of supporting documentation or errors in calculation. The final ECT&E score that will appear on your score notice will be derived through a standardization and weighting process. In addition, the ECT&E exam component as a whole is weighted relative to the Technical Knowledge Test and Situational Judgement Test exam components. You cannot add up the points based on the information in this guide

to obtain the score that will represent 20% of your total overall score on the 2023 Deputy Fire Chief Promotional Exam.

A candidate who failed to submit an ECT&E application by the deadline of November 25, 2023, will receive a score of "Incomplete". A candidate who failed to submit any supporting documentation to their ECT&E application will receive a score of "Incomplete".