



**DENVER**  
THE MILE HIGH CITY

**Civil Service Commission**  
Police and Fire Classified Service

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**MEMORANDUM**

TO: All Candidates for the Engineer  
Examination Denver Fire Department

FROM: Earl E. Peterson *EEP*  
Executive Director

SUBJ: Reading List - 2020 Examination for Denver Fire Engineer

DATE: January 8, 2020

The written examination component of the 2020 Examination for Engineer is a closed-book test which requires candidates to respond to items without the use of reference materials. This test is based on the material contained in the official reading list, which is attached to this memorandum.

The Textbooks on the *Official Reading List* **IFSTA Pumping and Aerial Apparatus Driver/Operator Handbook** (2015), Third Edition, Third Printing, are available for purchase or rent on Amazon.com.

The Department **Study Material** on the *Official Reading List* was provided by the Department on in October, 2019. All items comprising the Department Study Material will be combined into a study packet. To download, please go to [www.denvergov.org/civilservice](http://www.denvergov.org/civilservice) and select the “Promotional Registration” link. There will be a link located under the 2020 Fire Engineer Examination Schedule to the Department Reading Material.

A copy of the Job Description for the rank of Engineer is available for download at the time of online Registration at the Commission’s website ([www.denvergov.org/civilservice](http://www.denvergov.org/civilservice)). Select the “Promotional Registration” link on the right side. There will be a link located under the 2020 Fire Engineer Examination Schedule to the Job Description.

If you have any questions regarding this memorandum, the Official Reading List, or the Announcement of Examination, please contact Jeannette Giron, Senior H. R. Data Analyst by email at [jeannette.giron@denvergov.org](mailto:jeannette.giron@denvergov.org).

# OFFICIAL READING LIST

## 2020 Examination for Engineer Denver Fire Department

### TEXT BOOKS

<b>TITLE AND AUTHOR</b>	<b>ISBN #</b>	<b>PRICE</b>
<b><u>IFSTA Pumping and Aerial Apparatus Driver/Operator Handbook</u></b> (2015), Third Edition, Third Printing (Exclude Page 21 Dealing with Fireboats, (Pages 212 - Formula 7.1 (metric), Page 214 – Formula 7.2 (Metric) and Formula 7.3 (Metric), Pages 248 through 277 Dealing with Formulas Example - International System of Units (Metric), Page 286 (table 8.1b (Metric)), (Pages 92 through 93, 117 through 118, 128 through 131, 543, 553 through 555, 581, 588 through 591, 664 through 665, and 669 through 671 Dealing with Tillers), Pages 684 through 686 Dealing with Operating Articulating Aerial Equipment, Chapter 11, Chapter 13, Chapter 15, Appendix A, Appendix B, Appendix D (table D.1, D.3, D.5, D.8, D.9, D.10), Appendix E, and Appendix F), Glossary, and Index)	879395710	\$87.95

### DENVER FIRE DEPARTMENT READING MATERIAL (7 PARTS)

#### **A. Local 858 2019-2021 Fire Fighters Agreement**

#### **B. DENVER FIRE DEPARTMENT DIRECTIVES**

1. 1004.00 Attendance at Incidents 08-03-10
2. 1008.00 Request for Reassignment and Drafting Process 03-13-18 (*was "Transfer Procedure"*)
3. 1009.01 Non-Line of Duty (NLOD) Sick Leave 02-23-18
4. 1010.02 ALL DFD Related Accidents and Driver Review 12-03-19  
(*was "Accidents Involving DFD Vehicles or Apparatus"*)
5. 1011.00 Uniforms and Personal Appearance 08-29-19
6. 1012.00 Member Contact with Law Enforcement - Reporting of Charges (Internal Affairs required reporting) 04-30-19
7. 1012.00a Form – Member Law Enforcement Contact – Reporting of Charges Form 04-30-19
8. 1019.00 Mission Statement 12-28-17
9. 1020.00 Code of Conduct 01-03-12
10. 1021.00 Sexual Harassment Policy 07-18-19
11. 1022.00 Exec. Order 94 – C & C of Denver Employees' Alcohol & Drug Policy 01-03-12
12. 1023.00 Use of Dept. Psych. by FD Personnel - Problems Drug/Alcohol Abuse 01-06-17
13. 1024.00 Grooming Standards 06-15-16
14. 1037.00 DFD Hazing, Harassment, Retribution Policy 07-10-15
15. 1046.00 Administrative Grievance Procedures 06-13-16

20. 1056.00 Corrective Action Procedures (w/attached Discipline Flow Chart) eff. 07-23-19
21. 1057.00 Discipline Handbook (w/Attachments a, b, and c) eff. 07-23-19
22. 1058.00 Performance Evaluation 11-21-19 (w/attachments a and b)
23. 1058.00a Crew Integrity Vitals Assessment Form
24. 1058.00b Performance Evaluation Physician Clearance Form
25. 1069.00 Contract Grievance Procedure 08-18-17
26. 1081.00 Denver Fire Department HIPAA Guidelines (w/Attachment a)(10-01-19)

**C. DENVER FIRE DEPARTMENT STANDARD OPERATING GUIDELINES**

1. 2102.01 Response Assignment Policy
2. 2102.09 Change of Location
3. 2105.01 Operating Apparatus in Reverse
4. 2105.02 Ready Reserve Apparatus
5. 2106.01 Hose Inventory, Maintenance, and Testing
6. 2106.08 Cleaning and Inspection of PPE- Firefighting Protective Ensemble
7. 2106.09 Hose and Equipment Identification
8. 2106.13 Meter Usage and Calibration for ToxiRAIE Pro CO2 (Same as 2111.23a)
9. 2107.01 Incident Communications
10. 2107.06 Radio Communication with Denver Police
11. 2110.01 Rapid Intervention Team
12. 2110.02 Mayday Guidelines for Emergency Incidents
13. 2110.03 Personnel Accountability System
14. 2111.01 Tactical Considerations at Emergency Incidents
15. 2111.03 Elevator Rescue Response
16. 2111.05 Evacuation of a Structure or Area during an Operating Incident
17. 2111.06 Level 1 and Level 2 Staging
18. 2111.07 Natural Gas
19. 2111.11 Firefighter Rehabilitation during Emergency Incidents
20. 2111.12 Explosive Devices
21. 2111.14 Fire Investigations Unit
22. 2111.15 Safety Vest Usage while in Traffic
23. 2111.16 Mandatory SCBA Use
24. 2111.17 Elevator Use during Fire Ground Operations
25. 2111.19 Ballistic Gear Use, Storage and Maintenance
26. 2111.22 Carbon Monoxide
27. 2111.23 Carbon Dioxide
28. 2112.01 Engine Company Operations Introduction
29. 2112.02 Engine Company Operations Definitions
30. 2112.03 Engine Company Operations – Humat Valve Use
31. 2112.04 Engine Company Operations at Grass, Weed Fires
32. 2112.05 Engine Company Operations – Parties trapped, Extrication Response
33. 2112.06 Engine Company Operations at Motor Vehicle Fires
34. 2112.07 Engine Company Operations at Single Family Dwellings
35. 2112.08 Engine Company Operations at Multi-Family Dwellings
36. 2112.09 Engine Company Operations at Commercial Buildings
37. 2112.10 Engine Company Operations – 5-inch Water Supply
38. 2112.11 Foam Operations
39. 2113.01 Truck Company Operations at Single Family Residential Fires
40. 2113.02 Truck Company Operations a Low-Rise Apartment Fires
41. 2113.03 Truck Company Operations at Multi Story Attached Residential Fires
42. 2113.04 Truck Company Operations at Strip mall Fires, Including Stand Alone, Single Story, Single Occupancy Commercial Structures

43. 2113.05 Truck Company Operations at Warehouse Fires, Including “Big Box Store” fires
44. 2119.02 Base Station Contact
45. 2119.04 Excited Delirium Response with attachment
46. 2119.05 Narcan Change out Procedures
47. 2119.06 EMS Quality Assurance/Quality Improvement Policy
48. 2119.07 EMS: Defining Quality Management Standards
49. 2119.08 EMS Equipment
50. 2120.00 Subject, Purpose, Scope/Introduction
51. 2121.01 Table of Contents
52. 2120.02 Command, Safety and Resources
53. 2120.03 Engine Company Operations
54. 2120.04 Truck/Rescue Company Operations
55. 2120.05 Tactical Appendix - Definitions
56. 2120.06 Tactical Appendix - Stabilization
57. 2120.07 Tactical Appendix – Airbag Scan
58. 2120.08 Tactical Appendix – Standardized Extrication Maneuvers

**D. 2019 COLORADO COMMERCIAL DRIVER LICENSE (CDL) MANUAL**

1. Section 2 (Driving Safely)
2. Section 5 (Air Brakes)
3. Section 8 (Tank Vehicles)

**E. EXECUTIVE ORDERS**

**F. MAYOR’S POLICES**

**G. DENVER FIRE DEPARTMENT ENGINEER’S QUICK REFERENCE CHART**

**H. DENVER FIRE DEPARTMENT FRICTION LOSS PUMP CHART**