

**NAFED Engineered Fire Extinguishing Systems  
Technician Certification Exams  
Question Reference**

**Engineered Systems**

The NAFED Engineered Fire Extinguishing Systems Technician Certification Exam is a 150 question exam based on: NFPA 11, *Standard for Low-, Medium-, and High-Expansion Foam*, **2005 Edition**; NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems*, **2005 Edition**; **NFPA 12A**, *Standard on Halon 1301 Fire Extinguishing Systems*, **2004 Edition**; NFPA 17, *Standard for Dry Chemical Extinguishing Systems*, 2002 Edition; NFPA 750, *Standard on Water Mist Fire Protection Systems*, 2006 Edition; and NFPA 2001, *Standard on Clean Agent Fire Extinguishing Systems*, 2004 Edition. The questions are derived from these standards only. The breakdown of the questions from the standards is as follows.

<b>NFPA 11 - Foam Systems Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	1	1
3	Definitions	3	2
4	System Components & Types	9	4
5	Low-Expansion System Design	5	2
6	Medium- & High-Expansion	11	5
8	Installation Requirements	2	2
10	Testing and Acceptance	3	2
11	Maintenance	3	2
<b>Totals</b>		<b>37</b>	<b>20</b>

<b>NFPA 12 – Carbon Dioxide Systems Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	6	2
2	Referenced Publications	1	1
3	Definitions	20	5
4	General Information	92	12
5	Total Flooding	27	5
6	Local Application	18	5
7	Standpipe & Mobile	3	2
<b>Totals</b>		<b>167</b>	<b>33</b>

<b>NFPA 12A – Halon 1301 Systems Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	15	3
3	Definitions	11	2
4	Components	51	9
5	System Design	17	3
6	Insp., Maint., Testing, & Training	19	3
<b>Totals</b>		<b>113</b>	<b>20</b>

<b>NFPA 17 – Dry Chemical Systems Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	6	2
3	Definitions	6	2
4	Components	14	6
5	System Requirements	16	6
6	Total Flooding Systems	6	2
8	Hand Hose Line Systems	3	1
10	Plans & Acceptance Tests	6	2
11	Insp., Maint., & Recharging	13	4
<b>Totals</b>		<b>70</b>	<b>25</b>

<b>NFPA 750 – Water Mist Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	1	1
3	Definitions	8	4
4	General	2	1
5	System Components	7	5
6	System Requirements	2	1
7	Installation Requirements	4	2
12	System Acceptance	4	1
13	System Maintenance	8	5
<b>Totals</b>		<b>36</b>	<b>20</b>

<b>NFPA 2001 – Clean Agent Systems Exam</b>			
<b>Chapter No.</b>	<b>Chapter Title</b>	<b>Questions in Bank</b>	<b>Questions per Exam</b>
1	Administration	5	2
3	Definitions	7	3
4	Components	22	9
5	System Design	16	5
6	Inspection, Maintenance & Testing	30	12
7	Marine Systems	4	2
<b>Totals</b>		<b>84</b>	<b>33</b>