

3-2: Developing an Incident Action Plan for a Tower Incident on a Structure that Accommodates Only One Rescuer

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 4.3.2

Job Performance Requirement

Develop an incident action plan for a tower rescue incident on a structure whose size, shape, or configuration would accommodate only one rescuer, given a tower rescue scenario, so that sources are identified and managed, fall protection is maintained throughout the event, anchor points are identified and utilized to best advantage, and the incident action plan objectives are met.

Requisite Knowledge

1. Describe AHJ policies and procedures
2. Describe data gathering and collection methods
3. Describe climbing plan elements
4. Describe anchor point identification and construction methods
5. Describe hazardous energy source recognition
6. Describe identification and control methods
7. Describe free climb ascent and descent techniques
8. Describe fall protection methods

Requisite Skills

1. Conduct size up and assessment
2. Identify and control hazards
3. Identify and control hazardous energy sources
4. Use monitoring equipment to detect hazardous energy sources
5. Construct anchor and belay systems
6. Select PPE and other resources from the tower rescue tool cache

Content Modification

Block	Modification	Justification
JPR	Changed "kit" to "cache".	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.
RS1	Added "conduct".	NFPA did not provide a verb.
RS6	Changed "kit" to "cache".	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.

Cross Reference

Course Plan	Training Record	Task Book
Tower Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-9 (RK1, RK2, RK3, RK4, RK5, RK6, RK7, RK8)• Topic 3-1 (RS1)• Topic 3-4 (RS2, RS3, RS4)• Topic 3-7 (RS5, RS6)	Tower Rescue Technician (2021) <ul style="list-style-type: none">• Skill 12	Tower Rescue Technician (2021) Instructor Task Book <ul style="list-style-type: none">• JPR 11• JPR 22

3-3: Ascending a Tower to Conduct a Rescue

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 4.3.3

Job Performance Requirement

Ascend a simulated or actual tower to conduct a rescue, given an incident action plan and a pre-climb checklist, so that the pre-climb checklist and hazard control measures are implemented; fall protection systems are utilized; and the rescuer moves both horizontally and vertically between structural elements of the tower, with or without the benefit of climbing pegs, ladders, or vertical lifelines, to achieve the objectives of the incident action plan.

Requisite Knowledge

1. Describe an incident action plan
2. Describe a pre-climb checklist
3. Describe identification of site-specific tower features and components
4. Describe type- and hazard-specific PPE selection
5. Describe climbing plan

Requisite Skills

1. Use incident action plans
2. Develop and use pre-climbing checklists and site safety plans, types of fall protection, and lifeline systems
3. Identify tower anatomy and features
4. Perform climbing techniques and methods

Content Modification

Block	Modification	Justification
RS3	Added "identify".	NFPA did not provide a verb.
RS4	Added "perform".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Tower Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 2-1 (RK3, RS3) • Topic 3-7 (RK4) • Topic 3-9 (RK1, RS1) • Topic 5-3 (RK2, RK5, RS2, RS4) 	Tower Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 28 • Skill 29 	Tower Rescue Technician (2021) Instructor Task Book <ul style="list-style-type: none"> • JPR 16 • JPR 22

3-4: Rescuing a Victim Suspended from an Elevated Position from the Ground

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 4.3.4

Job Performance Requirement

Perform a ground-based tower rescue requiring the rescue of a suspended victim from an elevated position, given an incident action plan, climbing plan, hazard-specific PPE, and resources from the tower rescue tool cache, so that the victim is released/transferred from an existing fall arrest system to one created by the rescuer, and the victim is moved both horizontally and vertically a distance representative of the rescue environment.

Requisite Knowledge

1. Describe an incident action plan
2. Describe hazard and risk assessment
3. Describe climbing plan elements
4. Describe PPE selection and use
5. Describe types of fall protection systems
6. Describe fall protection system transfer procedures
7. Describe horizontal and vertical movement methods

Requisite Skills

1. Assess a scene
2. Use hazard control techniques
3. Use and apply PPE
4. Operate fall protection systems
5. Use horizontal and vertical climbing and movement techniques

Content Modification

Block	Modification	Justification
JPR	Changed “kit” to “cache”.	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.
RS2	Added “use”.	NFPA did not provide a verb.
RS5	Added “use”.	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
<p>Tower Rescue Technician (2021)</p> <ul style="list-style-type: none">• Topic 5-4 (JPR, RK7, RS5)• Topic 3-9 (RK1, RK3)• Topic 3-1 (RK2, RS1)• Topic 3-7 (RK4, RS3)• Topic 3-8 (RK5, RK6, RS4)• Topic 3-3 (RS2)	<p>Tower Rescue Technician (2021)</p> <ul style="list-style-type: none">• Skill 34• Skill 35• Skill 36	<p>Tower Rescue Technician (2021) Instructor Task Book</p> <ul style="list-style-type: none">• JPR 17• JPR 22

3-5: Rescuing a Victim Suspended from a Height Beyond the Scope of a Ground-based Rope Rescue System

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 4.3.5

Job Performance Requirement

Perform a rescue requiring the rescue of a victim suspended from a tower at a height beyond the scope of a ground-based rope rescue system, given an incident action plan, climbing plan, hazard-specific PPE, and resources from the tower rescue tool cache, so that the victim is transferred to the rescue system and is moved both horizontally and vertically a distance representative of the rescue environment.

Requisite Knowledge

1. Describe incident action plan
2. Describe hazard and risk assessment
3. Describe climbing plan elements
4. Describe PPE selection and use
5. Describe types of fall protection systems
6. Describe fall protection system transfer procedures
7. Describe horizontal and vertical movement methods

Requisite Skills

1. Assess a scene
2. Use hazard control techniques
3. Use and apply PPE
4. Operate fall protection systems
5. Use horizontal and vertical climbing and movement techniques
6. Use tower-based rescue techniques

Content Modification

Block	Modification	Justification
JPR	Changed “kit” to “cache”.	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.
RS2	Added “use”.	NFPA did not provide a verb.
RS5	Added “use”.	NFPA did not provide a verb.
RS6	Added “use”.	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Tower Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-5 (JPR, RK7, RS5, RS6)• Topic 3-9 (RK1, RK3)• Topic 3-1 (RK2, RS1)• Topic 3-7 (RK4, RS3)• Topic 3-8 (RK5, RK6, RS4)• Topic 3-3 (RS2)	Tower Rescue Technician (2021) <ul style="list-style-type: none">• Skill 37• Skill 38• Skill 39	Tower Rescue Technician (2021) Instructor Task Book <ul style="list-style-type: none">• JPR 18• JPR 22

3-6: Rescuing a Victim Using Multiple Sets of Sequential Rope Systems

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 4.3.6

Job Performance Requirement

Perform a lowering operation of a victim from a tower or elevated structure where the travel path or height of the objective requires establishment of multiple sets of sequential rope systems, given a tower rescue scenario and a tower rescue tool cache, so that the victim is protected from a fall, rope movement is managed without entanglement, and the objective is achieved.

Requisite Knowledge

1. Describe incident action plan
2. Describe hazard and risk assessment
3. Describe climbing plan elements
4. Describe PPE selection and use
5. Describe types of fall protection systems
6. Describe fall protection system transfer procedures
7. Describe horizontal and vertical movement methods

Requisite Skills

1. Assess a scene
2. Use hazard control techniques
3. Use and apply PPE
4. Operate fall protection systems
5. Use horizontal and vertical climbing and movement techniques
6. Use tower-based rescue techniques

Content Modification

Block	Modification	Justification
JPR	Changed “kit” to “cache”.	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.
RS1	Added “use”.	NFPA did not provide a verb.
RS5	Added “use”.	NFPA did not provide a verb.
RS6	Added “use”.	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Tower Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-6 (JPR, RK7, RS5, RS6)• Topic 3-9 (RK1, RK3)• Topic 3-1 (RK2, RS1)• Topic 3-7 (RK4, RS3)• Topic 3-8 (RK5, RK6, RS4)• Topic 3-3 (RS2)	Tower Rescue Technician (2021) <ul style="list-style-type: none">• Skill 40• Skill 41• Skill 42	Tower Rescue Technician (2021) Instructor Task Book <ul style="list-style-type: none">• JPR 19• JPR 22