Review of proposed OSHA Emergency Response Standard rule

July 9, 2024

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Adds additional \$1910.6 incorporation by reference (IBR) of entire sets of ANSI and NPFA standards. In most cases, the most recent version of those standards are the ones adopted: ANSI/ISEA standards (specifically mandatory standards containing "shall") for high visibility safety vests ((e)(80)); NFPA standards for: ((t)(34), (38-58)) • protective ensembles for structural and proximity firefighting/technical rescue incidents/contaminated water diving/wildland firefighting/surface water operations/hazardous materials and CBRN operations/emergency medical operations • structural firefighter professional qualifications • fire apparatus operator qualifications • marine firefighting professional qualifications • technical rescue qualifications • fire officer qualifications • fire officer qualifications • training rapid intervention crews • comprehensive occupational medical programs for FDs • inspection/maintenance/retirement of emergency vehicles and vessels • open circuit SCBA for emergency services • personal alert safety systems • respirators for wildland firefighting and tactical and technical operations	 Washington's administrative rules do not incorporate whole NFPA or ANSI standards by reference to the extent that the proposed OSHA rule does. NFPA and ANSI standards are incorporated by reference for specific standards for specific purposes. Also, most of those specific standards that are incorporated are not the most recent versions. Examples of ANSI incorporations by reference: WAC 296-305-02004. Primary face and eye protection for specific hazards must meet ANSI Z87.1 WAC 296-305-07018. Safety belts in Wildland firefighting vehicles must comply with ANSI A10.14-1975 Examples of NFPA incorporations by reference: WAC 296-305-02001. Cleaning of PPE must follow either manufacturer guidelines or NPFA Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Firefighting and Proximity Firefighting. Turnout clothing must meet NFPA Standard on Protective Ensemble for Proximity Firefighting. WAC 296-305-02002. Structural firefighting clothing must meet NFPA Standard on Protective Clothing for Structural Fire Fighting, or the 1997 edition of NFPA 1971, Standard on Protective Ensemble for Structural Fire Fighting. WAC 296-305-02017. Structural firefighters must wear PASS protection devices meeting 1993 NFPA Standard on Personal Alert
 respirators for wildland firefighting and tactical and technical operations combination unit respirator systems for tactical and technical operations 	 Safety Systems (PASS) for Firefighters There are numerous other examples of specific NFPA standards adopted for safety and respiratory equipment, emergency medical protection, hazardous materials/CBRN ensembles, and several others.
Revises §1910.120(q)(3)(iii) Hazardous waste operations and emergency	WAC 296-305-03002. Requires fire department personnel involved in
response	hazardous materials incidents to be provided and protected by
Person in charge of ICS is responsible for ensuring appropriate PPE and is	appropriate PPE. Incorporates by reference NPFA standards for CBRN PPE
used for hazardous substances encountered. Requires PPE to meet criteria in 29 CFR 1910.156(k).	and outlines specific requirements for such PPE.

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Revises §1910.120 App B, Part B, subsec. IV, Level D – General	
description and discussion of the levels of protection and protective	
gear	
Requires level D protection when atmosphere does not contain a known	
hazard and work functions preclude risk of unexpected inhalation or contact	
with hazardous levels of chemicals. Includes note on selection of	
appropriate PPE and reminds reader about adoption of new NFPA standard	
on CBRN protective ensembles.	
Replaces \$1910.134 Respiratory protection	
Removes definition of "interior structural firefighting" and cross-references definition to 29 CFR 1910.156.	
Amends §1910.155 Scope, application, and definitions applicable to this	WAC 296-811-099 Definitions (Fire Brigade)
subpart	Includes relevant definitions.
Revised paragraph "(a) Scope" to acknowledge that the subpart's	
requirements apply to Workplace Emergency Response Employers and	WAC 296-305-01005 Definitions.
Emergency Service Organizations, as well as all portable and fixed	Includes relevant definitions.
suppression equipment, detection systems, and alarm systems installed to	
meet fire protection requirements.	
Removes definitions of "Enclosed structure," "Fire brigade," "Flame	
resistance," "Helmet," "Lining," "Outer shell," "Positive-pressure breathing	
apparatus," "Quick disconnect valve," and "Vapor barrier."	
Defines "Class K fire," "clean agent," "halogenated agent," "wetting agent,"	
and "wet chemical."	
Revises §1910.156 Emergency response	
(a) Scope . Defines "Workplace Emergency Response Employer (WERE),"	WAC 296-305-01003 Scope and application
"Workplace Emergency Response Team (WERT)," and "Emergency Service	Applies safety standard rules to any and all activities, operations, and
Organization (ESO)." Section does not apply to employers performing	equipment and employees involved in providing fire protection services.
disaster site cleanup or recovery or activities covered by 29 CFR 1910.146	
(Hazardous waste operations).	
(b) Defines terms related to emergency response and organizational	
structure. City fire departments will be considered ESOs under these rules.	
ESO does not include law enforcement.	
(c) Emergency Response Plan. Establishes requirements for organization	WAC 296-824-20005 Develop an emergency response plan
of ESOs and WEREs and the development of the organization's Emergency	Requires development of written ERP that addresses preplanning and
Response Plan (ERP). Includes retention requirement of 5 years for all	coordination with additional departments and agencies, established

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documents related to the ERP. (d) ERP to include: • ERP to include explanation of how ESO is addressing emergency services capability, • Requires community vulnerability assessments of ESO service area, including vacant structures, unsafe structures, and other facilities otherwise required to report under Right-to-Know Act. ERP must include means of notifying responders of known hazards in assessment • Evaluate resources needed to address hazards in assessment, and establish tiers of responders based on responsibilities, qualifications, and capabilities. • Define services that ESO is unable to provide and develop mutual aid agreements to address those needs (e) Establishes requirements for responders to participate in development of ERP.	personnel roles and authority and communication in those roles, appropriate employee training based on the employee's role and competency, emergency recognition and immediate emergency procedures, methods of controlling and securing a scene, emergency medical treatment, a complete PPE program, emergency equipment, emergency response procedure, decontamination procedure, and methods of critically assessing response and conduct appropriate follow up. Plan must be available to employees and WISHA inspectors. WAC 296-305-05000 Incident Management. Requires the establishment of an Incident Management System (IMS) and the develop of an overall strategy and Incident Action Plan. See examples of other required written plans below: WAC 296-305-02501 Emergency medical protection. Requires creation of an infection control plan and the designation of an
(f) Risk Management Plan. Requires ESO and WERE to develop comprehensive risk management plan (RMP) covering risks associated with activities at ESO/WERE facilities, training, vehicle operations, emergency incident response, non-emergency services, and activities resulting in exposure to combustion products, carcinogens, or other incident related health hazards. RMP must also include components of those risks impacting responders, and include PPE needs, respiratory protection and infection prevention programs, policies covering extraordinary situations.	 infection control officer. Requires annual review of plan. WAC 296-305-05107 Technical Rescue incident response planning. Requires written special operations incident response plan for specific types of technical rescue they plan to operate. WAC 296-305-05000(5). Requires development of a department risk management policy to provide guidance to incident commanders on scene.
 RMP must be reviewed at least annually. (g) Medical & physical requirements. Requires ESO/WERE to establish minimum medical and physical requirements for responders for each type and level of job. Some highlights: Requires ESO to maintain confidential record for each responder on duty restrictions, occupational health issues, and exposures to combustion products, toxics, diseases, or dangerous substances. Requires medical evaluations, tests, and lab analysis to be provided to 	WAC 296-305-01509(7) Management's responsibility Requires management to ensure employees are physically capable of performing duties assigned to them and not let employees who are not physically able to participate in certain activities. WAC 296-305-05002 Requires officers on scene to monitor physical and mental condition of

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responders at no cost and no loss of pay.	employees and ensure adequate measures are taken to protect their
Sets forth requirements for medical evaluation of fitness for duty.	health.
Requires medical evaluation at least every 2 years.	
Requires additional medical surveillance of responders exposed to	WAC 296-824-40005 Provide medical surveillance to employees
combustion products 15+ times per year.	Requires employers provide medical surveillance to employees and
Requires ESO to provide behavioral health and wellness resources to	includes a table laying out the appropriate surveillance and length of time
responders at no cost.	for a given exposure or medical need.
Requires ESOs to develop a health and fitness program for ensuring	
fitness for duty, with fitness assessments for responders at least every 3	
years.	
(h) Training. Requires ESO/WERE to establish minimum knowledge and	WAC 296-305-05502 Training and member development
skills for each responder based on type and level of service. Requires ESO to	Requires department to provide training, education, and ongoing
provide initial and ongoing training and professional development for each	development for all members commensurate with those members'
responder. Training must be provided in a language and literacy level that	individual duties. Training must be provided prior to the responder's
responders can understand.	performance of emergency response. No language access requirements
Describes FCO to restrict responder during analysis of the property of the continuous during and the continuous during and the continuous during and the continuous during and the continuous during an action of the continuous during an action of the continuous during an action of the continuous during a co	specified.
Requires ESO to restrict responder during emergency response duties until	Coto out an orific requirements on training reasonanders in DDE use of
they can demonstrate adequate skills and abilities for task in question.	Sets out specific requirements on training responders in PPE, use of equipment, IMS use, fire response training, protection from asbestos,
Sets out specific subjects to be included in training, including PPE, fire	among other things. Includes table for subject specific training depending
extinguishers, Incident Management System (IMS), evacuations, first	on the job or skill type, and incorporation of certain relevant NFPA
responder awareness included in 29 CFR 1910.120(q)(6)(i), CPR and AED	standards for those skills.
use, and appropriate vocational training necessary for the responder's	Standards for those skitte.
particular job type and level of service. Firefighter trainings are to be	WAC 296-824-300 and WAC 296-824-30005 Training
equivalent to NPFA standards on:	
Fire brigade member professional qualifications	These WACs also require that emergency response departments
Structural firefighters professional qualifications	adequately train their employees for their assigned roles and duties, and
Training fire service rapid intervention crews, 2020 ed.	set out the different levels of training for inexperienced and experienced
Fire apparatus driver/operator or emergency vehicle operator	personnel at different levels of competency.
professional qualifications	
Fire officer professional qualifications (for department leadership)	
Wildland fire protection, 2022 ed., or has a Red Card from the National	
Wildfire Coordinating Group	
Technical rescue personnel professional qualifications, 2021 ed.	
Marine fire fighting for land-based firefighters, 2019 ed.	
(i) WERE Facility Preparedness. See rule for details	
(j) ESO facility preparedness. Requires that facilities complies with 29 CFR	WAC 296-305-06503 General Requirements

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1910, subpart E on exit rules and emergency planning. Must also provide	Includes standards for fire stations and administrative offices. Sets out
facilities for decontamination, disinfection, and cleaning/storage of PPE and	requirements for firepole construction, sleeping quarters, sprinkler
equipment, or at least a means to bag and store contaminated equipment	systems, and stairs and other walking surfaces.
until it can be decontaminated offsite.	
	WAC 296-305-1505 Accident Prevention Program
Includes standards for firepole construction and use, requirements for	Requires fire stations to be inspected for, and maintained reasonably free
alarms and safe configurations of sleeping areas, automatic sprinkler	of, recognized hazards at least monthly.
systems for facilities of certain size, prevention of living/sleeping area	WA C 000 005 00000 Ann and Page
exposure to vehicle exhaust, ensuring contaminated PPE is kept out of	WAC 296-305-08000 Appendices
living/sleeping areas.	Provides nonmandatory guidelines for the establishment of
(I) Favings and DDF. Dogwiyee FCO/M/FDF to provide ecoses to	decontamination areas in fire stations and decontamination procedures.
(k) Equipment and PPE. Requires ESO/WERE to provide access to	WAC 296-305-02001 Personal protective equipment and protective
equipment needed to train and perform emergency services at no cost to responders.	clothing Requires fire departments to provide appropriate PPE at no cost to
responders.	employees. Employer must make sure that employees use required PPE.
Requires ESO to inspect, maintain, functionally test, and service test	omployees. Employer must make sure that employees use required 11 E.
equipment at least annually, in accordance with manufacturer's	Some highlights:
instructions and industry practice, whenever necessary.	Train firefighters in use of PPE
	Requires PPE to be maintained according to manufacturers
Requires ESO to conduct PPE hazard assessment for the selection of	instructions, and requires a written maintenance, repair, and
appropriate protective ensembles. Requires ESO to provide all necessary	inspection program.
components of appropriate protective ensembles to responders at no cost.	Dept is required to provide for cleaning of protective clothing and
	decontamination of unforms free of cost, either at the station or a
ESO must ensure that PPE meets requirements of that PPE's respective	separate cleaning service, in accordance with manufacturer's
NFPA standard, including:	recommendations, or NFPA Standard on Selection, Care and
Protective Ensembles for Technical Rescue Incidents	Maintenance of Protective Ensembles for Structural Fire Fighting and
Surface Water Operations Protective Clothing and Equipment	Proximity Fire Fighting.
Protective Ensembles for Contaminated Water Diving	If provided, work uniforms must meet NFPA Standard on Station/Work
Protective Ensembles for Structural Fire Fighting and Proximity Fire	Uniforms for Fire and Emergency Services. Uniforms are not required.
Fighting	Turnout gear must meet NPFA Standard on Protective Ensemble for
 Protective Clothing and Equipment for Wildland Fire Fighting and Urban Interface Fire Fighting 	Proximity Firefighting.
Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency	
Services	
Personal Alert Safety Systems (PASS)	
Respirators for Wildland Fire-Fighting Operations and Wildland Urban	
Interface Operations	
Respiratory Protection for Tactical and Technical Operations	

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Combination Unit Respirator Systems for Tactical and Technical Operations	
Operations	
Protective Ensembles for Hazardous Materials and CBRN Operations	
Protective Clothing and Ensembles for Emergency Medical Operations	
ANSI/ISEA 207, American National Standard for High-Visibility Public	
Safety Vests	
ESO must also ensure proper use of PPE by responders.	
(I) Vehicle preparedness and operation. ESO/WERE must ensure that	Washington has several separate rules dealing with the aspects of
vehicles are inspected, maintained, and repaired as specified by the	vehicles maintenance and operation.
manufacturer. Ensure vehicles have adequate safety harnesses for all riding	
positions in the vehicle and are operated by qualified responders and that	WAC 296-305-04501 Automotive fire apparatus design and
passengers are properly seated and secured any time the vehicle is in	construction
motion unless in a designated "pump-and-roll" operations or performing	Requires all new vehicles to comply with NFPA Standard for Automotive
necessary emergency medical care following appropriate guidelines.	Fire Apparatus or NFPA Standard for Wildland Fire Apparatus. Sets out
	specific requirements for vehicle construction.
Must ensure vehicles at least meet their appropriate NFPA standard for their	
vehicle type:	WAC 296-305-04503 Automotive fire apparatus equipment
For aerial vehicles and vehicle-mounted water pumps: NFPA 1910	Sets out requirements for a vehicle's safe carrying of tools and equipment,
standard for Inspection, Maintenance, Refurbishment, Testing, and	adequate safety harnesses for firefighters, no unsafe features of the
Retirement of In-Service Emergency Vehicles and Marine Firefighting Vessels	vehicle like running boards or riding tail steps.
vessets	Firefighters must be seated at all times the vehicle is in motion, unless
ESO must establish and implement policies and procedures for training on	performing necessary emergency medical care and are restrained as
tiller operated vehicles, alternative means for safety during vehicle special	much as possible.
or ceremonial operations, operating vehicles not directly under the control	
of the ESO.	Requires a written policy for departments permitting hose rolling
	operations while vehicle is in motion.
Ensure PPE and equipment stored on the vehicle are carried in an enclosed	
seating area of the vehicle and is secured while the vehicle is in motion.	WAC 296-305-04505 Automotive apparatus operational rules
	Sets out requirements for safe operation of fire apparatus. Requires
	written policy and procedure for daily operational check of vehicles, or a
	schedule of regular checks for unstaffed vehicles. Sets out rules for safe
	use of vehicles by firefighters, including waiting for vehicle to come to
	complete stop before stepping from vehicle, securing the vehicle at the

scene, safe unloading and use of equipment, and only trained drivers

allowed to drive the apparatus.

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	WAC 296-305-04507 Fire apparatus maintenance and repair
	Sets out requirements for reporting unsafe conditions on a vehicle,
	removing an unsafe vehicle from service, requirements for qualified
	personnel to do certain maintenance and repairs, and requires testing and
	maintenance of vehicle according to manufacturer's recommendations.
	Requires a preventative maintenance program to be instituted and
	maintenance logs to be maintained.
	WAC 296-305-04510 aerial apparatus
	Requires construction and maintenance of new aerial apparatus to meet
	the 2009 NFPA Standard for Automotive Apparatus.
	Existing aerial devices are to be maintained according to manufacturer
	instructions and non-conflicting portions of 2002 NFPA Standard for the
	Inspection, Maintenance, Testing and Retirement of In-Service Automotive
	Fire Apparatus.
	Requires annual inspection for certain components, and requires certified
	testing agency testing every 5 years.
	Sets out operational safety requirements for various scenarios.
(m) WERE Pre-incident Planning (PIP). See rule for details.	
(n) ESO Pre-incident planning (PIP). Use community assessment to	
develop PIP for facilities/locations/infrastructure where incidents may	
occur. PIP to be prepared pursuant to the reporting requirements in the	
Community Right-to-Know Act. Requires PIP to include policies on how ESO	
will protect proprietary business information. ESO will ensure that most	
recent PIPs are disseminated to responders and that they are available to	
responders in the field. PIPs to be reviewed at least annually and updated as	
needed.	W/O 000 007 07000 L 11 1 M
(o) Incident Management System (IMS) Development. Requires	WAC 296-305-05000 Incident Management
ESO/WERE to use a unified IMS to manage all emergencies based on the	Requires establishment of written IMS consistent with National Incident
Emergency Response Plan, the community vulnerability assessment, and	Management System.
individual PIPs. IMS needs to include components that are scalable and adaptable to any situation. Incident Safety Officer (ISO) or Incident	Sate out requirements for establishment of incident commander on seems
Commander (IC) must assess each incident scene for existing and potential	Sets out requirements for establishment of incident commander on scene and management by ICS and adequate support structure to control the
hazards and oversee responder safety. Incident scene must include a way	position and function of all members at the scene.
for responders to report unsafe conditions and actions on scene with ISO/IC	אסטונוסוז מווע זעווכנוטוז טו מנג ווופוזוטפוס מג נוופ סכפוופ.
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and provide for clear and effective communications and operations.	IC must be responsible for assuming command and establishing a command position, situational evaluation and risk assessment, initiate
IC must be responsible for at least front-line management, overall incident	and maintain communication with firefighters on scene, develop overall
safety, tactical planning/execution, determine team needs at the scene and	strategy and an incident action plan, develop an effective ICS
requesting additional resources or assistance (through an emergency	organization.
operations center) as needed.	
(p) Emergency Incident Operations. Requires IMS to be used at each	WAC 296-305-05000 Incident Management (continued)
emergency incident and that each emergency incident has an IC or unified	Requires dept to establish an accountability system for tracking all
command (UC). One officer (either IC or ISO) must be in charge of incident scene safety. IC is also responsible for dividing a complex or growing scene	responders on the scene. IC must provide for control of hazardous areas of the scene, proper use of PPE, and preventing unauthorized personnel
into strategic or tactical level management components. A UC must be	from entering the exclusion zone around a scene. Only trained personnel
established for any incident whose complexity requires one or more	can operate equipment.
ESO/WEREs to respond.	ouri operate equipment.
	Department must establish a mayday procedure and on scene
ICs must be a responder, and the command post location must be	communications procedure.
communicated to all responders at the scene. Sets out further requirements	
for ICs and control zones around an incident.	
Also sets out on-scene health and safety measures like minimum staffing,	
personnel safety on scene, communications between responders on scene,	
ensuring availability and use of proper PPE and respiratory equipment.	
Sets out requirements for control of a scene and use of specialized	
personnel.	
(q) Standard operating procedures. Requires ESO/WERE to develop SOPs	
for emergency events responders are likely to encounter. SOP must include	
how responders should respond in certain uncommon scenarios or	
situations beyond their capability.	
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SOP must also lay out expected operation of vehicles and equipment, PPE, maintaining communication, coordinating and maintaining accountability	
for all responders on scene, examining unsafe buildings, responding to	
maydays, and medical monitoring and rehabilitation as needed at an	
incident.	
ESO SOPs must include procedures for controlling vehicle traffic and safe	
zone creation at an incident on or near a road, scenes that are primarily law	
enforcement related, and conducting other non-emergency services.	

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(r) Post accident analysis. Requires ESO/WERE to conduct prompt Post	WAC 296-305—1503 Accident/Incident investigation
accident analysis after large scale incidents, significant near misses, a responder injury requiring off-scene treatment, or a responder fatality. Analysis to include review of RMP, IMS, PIP, SOP, and IAP, and identify and implement lessons learned.	Requires preliminary investigation when emergency actions cause serious injury or exposures of disease causing chemical or physical agents. Investigator must be deemed qualified by the employer. Each fire dept must have a written procedure for investigating and evaluating the cause of accidents. Sets forth additional procedures for conducing accident investigations.
	WAC 296-305-01505 Accident prevention program Requires all fire departments to have a written safety program, with a designated health and safety officer, tailored to the particular hazards faced by that department. Program must include how and when to report injuries, use of PPE, proper response to emergencies, identification of hazardous substances and plan for response to exposures, on-the-job review of safe job performance. Also requires establishment of a safety committee with regular (quarterly) safety meetings.
(s) Program evaluation. Requires at minimum an annual review of	
Emergency Response Plan and review upon discovery of deficiencies. Sets	
out elements required by review.	
(t) Severability clause	
§1910.157 Portable fire extinguishers	
(c)(3) prohibits fire extinguishers using carbon tetrachloride,	
chlorobromomethane, and methyl bromide	
(d)(7) Requires use of extinguishers using class K extinguishing agent, and enough distributed extinguishers so that none would need to travel more than 30 feet to cover an area.	
Includes a new Table L-1, which sets out various types of allowable fire	
extinguishers and their various testing schedules.	
\$1910.158 Standpipe and hose systems	
(c)(2)(iii) requires standpipe inlets to be compatible with connectors and fittings with fire hoses used by WERT.	
\$1910.159 Automatic sprinkler systems	
(c)(12) requires sprinkler system inlets to be compatible with fire hose	
couplings used by fire department or WERT.	
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