

# STANDARDS OF COVER ADDENDUM 2010

Commission on Fire Accreditation International  
Tacoma Fire Department

2010

The following addendum represents modifications to the Tacoma Fire Department Standards of Cover Document. The critical tasking matrix has been updated to more effectively track our Total Effective Response Force on emergency calls.



## PERFORMANCE STANDARDS

### *Distribution - All emergency responses*

For 90% of all requests for emergency service, (excluding Marine) the first arriving TFD engine or ladder staffed with a minimum of three personnel shall arrive within:

	<i>ZONE</i>	<i>TIME</i>
Total Response Time	<i>Urban</i>	7 minutes, 42 seconds
	<i>Suburban</i>	9 minutes
	<i>Rural</i>	15 minutes, 30 seconds

### *Concentration – Fire*

TFD shall arrive in a timely manner with sufficient resources to stop the escalation of the fire by preventing flashover. Initial response resources shall be capable of initiating fire suppression and addressing life safety issues as needed, while providing for the safety of responders and the general public.

#### Low Risk

For 90% of all low risk fires the effective response force, consisting of one engine or ladder staffed with a minimum of three personnel, shall arrive within:

	<i>ZONE</i>	<i>TIME</i>
Low Risk Total Response Time	<i>Urban</i>	7 minutes, 42 seconds
	<i>Suburban</i>	9 minutes
	<i>Rural</i>	15 minutes, 30 seconds

**Moderate Risk**

For 90% of all moderate risk fires the effective response force, consisting of two engine's, and a minimum of 15 personnel, shall arrive within:

	<i>ZONE</i>	<i>TIME</i>
Moderate Risk Total Response Time	<b><i>Urban</i></b>	12 minutes, 54 seconds
	<b><i>Suburban</i></b>	15 minutes, 30 seconds
	<b><i>Rural</i></b>	20 minutes, 42 seconds

**High Risk**

For 90% of all high risk fires the effective response force, consisting of three engines, one ladder and a minimum of 17 personnel, shall arrive within:

	<i>ZONE</i>	<i>TIME</i>
High Risk Total Response Time	<b><i>Urban</i></b>	12 minutes, 54 seconds
	<b><i>Suburban</i></b>	15 minutes, 30 seconds
	<b><i>Rural</i></b>	20 minutes, 42 seconds

The following Appendixes' have been updated to reflect the changes in the tracking of our Effective Response Force.

**APPENDIX H: TACOMA FIRE DEPARTMENT  
COMPREHENSIVE TASK ANALYSIS - FIRE**

**CRITICAL: Tasks assigned to initiate fire suppression and address life safety**

TASKS	LOW RISK		MODERATE RISK		HIGH RISK	
	Personnel	Apparatus	Personnel	Apparatus	Personnel	Apparatus
Establish Command and control	1*	1 engine	1*/***	1 engine, ladder, medic or BC	1*/***	1 engine, ladder, medic or BC
Size up	*	1 engine	*/***	1 engine, ladder, medic or BC	*/***	1 engine, ladder, medic or BC
Accountability	*	1 engine	*	1 engine, ladder, medic or BC	*/***	1 engine, ladder, medic or BC
Safety	*	1 engine	*	1 engine, ladder, medic or BC	*/***	1 engine, ladder, medic or BC
Pump operations	1	1 engine	1	1 engine	1	1 engine or ladder
Establish attack lines	*+1	1 engine	2	1 engine	2	1 engine
Search and rescue	---	---	2**	1 engine, ladder or medic	2**	1 engine, ladder or medic
Ventilation	---	---	2**	1 ladder, engine	2	1 ladder, engine
Permanent water supply	***	1 engine	0-2***	0-1 engine	2-4***	1-2 engines
Forcible entry	***	1 engine	0-4***	0-2 engine, ladder, or medic	4-6***	2-3 engine, ladder, or medic
Establish back-up lines	---	---	2-4	1-2 engines	4-6	2-3 engines
Establish exposure lines	---	---	0-4	0-2 engines	4-6	2-3 engines
Transfer Command	---	---	1-2	1 engine, ladder, medic or BC	2-6	1 engine, ladder, medic or BC
Additional safety	---	---	1	1 engine, ladder, medic or BC	1	1 engine, ladder, medic or BC
Rapid Intervention Crew (RIC)	---	---	2-4	1-2 apparatus	4-8	2-4 apparatus
Emergency Medical Services: BLS	**	1 engine	**	1 engine	**	0-1 engine
Emergency Medical Services: ALS	---	---	0-4***	0-2 medic companies	0-4***	0-2 medic companies
<b>TOTAL: EFFECTIVE RESPONSE FORCE</b>	<b>3</b>	<b>1 engine</b>	<b>15</b>	<b>2 engines</b>	<b>17</b>	<b>3 engines 1 ladders</b>

**SUBSEQUENT: Tasks assigned to further support the incident through to termination**

TASKS	Personnel	Apparatus	Personnel	Apparatus	Personnel	Apparatus
Additional Command and Safety/Accountability support	---	---	2	2 <sup>nd</sup> BC/ISO vehicle	2	2 <sup>nd</sup> BC/ISO vehicle
Salvage and overhaul	---	---	2***	1 apparatus	4-8***	2-3 apparatus
Utilities	---	---	0-2***	0-1 apparatus	4***	2 apparatus
Rehab	---	---	2	1 medic company	4-6	2-3 medic companies
Air/light support	---	---	0-2**	0-1 apparatus	2-4	1-2 apparatus
Stand-by	---	---	2-4	1-2 apparatus	4-8	2-3 apparatus
Lobby control	---	---	---	---	0-6**	0-2 apparatus
Systems	---	---	0-4**/**	0-2 apparatus	4-6**/**	1-2 apparatus
<b>TOTAL:</b>	<b>3</b>	<b>1 engine</b>	<b>20 - 60</b>	<b>1-6 engines 1-2 ladders 2 BC/ISO vehicles 1 private ambulance 1-2 medic companies 3-13 apparatus</b>	<b>49 - 125</b>	<b>6-11 engines 2-4 ladders 2 ISO/BC vehicles 2-5 medic companies 5-12 apparatus</b>

\*One person can manage all of these tasks.

\*\*These tasks are assigned as needed.

\*\*\*Personnel may be assigned to other tasks once this task is complete.

**APPENDIX I: TACOMA FIRE DEPARTMENT  
COMPREHENSIVE TASK ANALYSIS – EMS**

Task	Personnel			Apparatus
	FF/EMT	FF/PM	Other	
<b>CRITICAL: Tasks assigned to initiate medical intervention to decrease mortality risk</b>				
Command and control	1*/***		--	1 <sup>st</sup> engine or ladder
Fire suppression	0-3**	--	--	1 <sup>st</sup> engine or ladder
Gain access to patient	2**/***			1 <sup>st</sup> engine or ladder
Initial assessment	*	--	--	1 <sup>st</sup> engine or ladder
Chest compressions	0-1**	--	--	1 <sup>st</sup> engine or ladder
Ventilation	1-2**/***	--	--	1 <sup>st</sup> engine or ladder
AED operations	0-2**	--	--	1 <sup>st</sup> engine or ladder
Basic airway management - adjuncts, oxygen, administration, c-spine	2*	--	--	1 <sup>st</sup> engine or ladder
Control bleeding	1**/***	--	--	1 <sup>st</sup> engine or ladder
Monitor vital signs	1***	--	--	1 <sup>st</sup> engine or ladder
IV set up	1***	--	--	1 <sup>st</sup> engine or ladder
Extrication	0-3**	--	--	1 ladder
Full spinal immobilization	3-4**/***	--	--	--
Ongoing patient assessment/EKG		1***		1 <sup>st</sup> medic company
Initiate IV	--	1**/***	--	1 <sup>st</sup> medic company
Equipment set up	--	1***	--	1 <sup>st</sup> medic company
Advanced airway management	--	1***	--	1 <sup>st</sup> medic company
Administer meds	0-2***	1-2**/***	--	1 <sup>st</sup> engine or ladder, 1 <sup>st</sup> medic company
Family member/bystander info	*	--	--	1 <sup>st</sup> engine or ladder
Documenting vital patient info	*	--	--	1 <sup>st</sup> engine or ladder
Patient report to transport personnel	1***	--	--	1 <sup>st</sup> engine or ladder
Load patient into transport vehicle	2-7**/***	1**/***	--	1 <sup>st</sup> engine or ladder, 2 <sup>nd</sup> engine or ladder 1 <sup>st</sup> medic company
Contact base station/receiving center	1**/***	1*/**	--	1 <sup>st</sup> engine or ladder, 1 <sup>st</sup> medic company
Transport patient	0-3**/***	2**/***	--	1 <sup>st</sup> engine or ladder, 1 <sup>st</sup> medic company
<b>TOTAL: EFFECTIVE RESPONSE FORCE</b>	3-6	0-2	--	1 engine, 1 medic company, 1 ladder
<b>SUBSEQUENT: Tasks assigned to further support the incident through to termination</b>				
Transfer Command			0-2**	1 BC/ISO vehicle
Establish/manage landing zone operations	0-4**	--		0-2 engines
Clean up biohazard waste	1***	--	--	1 <sup>st</sup> engine or ladder, 1 <sup>st</sup> medic company
Transfer patient to hospital personnel	2-7**/***	2**/***	--	1 <sup>st</sup> engine or ladder, 1 <sup>st</sup> medic company
<b>TOTAL:</b>	3-18	1-2	0-2	1-4 engines, 0-2 ladders 1 medic company, 1 BC/ISO vehicle

\*One person can manage all of these tasks.

\*\*These tasks are assigned as needed.

\*\*\*Personnel may be assigned to other tasks once this task is complete.

**APPENDIX J: TACOMA FIRE DEPARTMENT  
COMPREHENSIVE TASK ANALYSIS - MARINE FIREFIGHTING AND RESCUE**

**CRITICAL:  
Tasks assigned to initiate mitigation to prevent life and/or property loss and/or environmental damage**

<b>Task</b>	<b>Personnel</b>	<b>Apparatus</b>
Incident command/control/size up	1*	Fireboat
Safety	*	Fireboat
Accountability	*	Fireboat
Vessel management/crew supervision	*	Fireboat
Piloting the boat	1	Fireboat
Search and rescue (in water)	1-2**/****	Fireboat
Fire suppression	1-2**/****	Fireboat
Emergency medical services	1-2**/****	Fireboat
Recovery (people)	1-2**/****	Fireboat
Small vessel stabilization <sup>1</sup>	1-2**/****	Fireboat
Begin environmental mitigation	1-2**/****	Fireboat
Supplemental water supply <sup>2</sup>	1-2**/****	Fireboat
<b>TOTAL: EFFECTIVE RESPONSE FORCE</b>	<b>3</b>	<b>1 Fireboat</b>
<b>SUBSEQUENT: Tasks assigned to further support the incident through to termination</b>	<b>Personnel</b>	<b>Apparatus</b>
Transfer Command	0-2**	1 BC/ISO
Assist law enforcement	2**/****	Fireboat
Coordinate below surface operations support	2**/****	Fireboat External resources
Coordinate salvage and retrieval (property)	2**/****	Fireboat External resources
<b>TOTAL:</b>	<b>3-5 plus external resources</b>	<b>1 Fireboat 1 Battalion Chief/ISO External resources</b>

<sup>1</sup> Efforts made to keep a vessel from sinking, capsizing or grounding and/or to prevent environmental damage and/or fuel spills.

<sup>2</sup> Use of the fireboat's pumping capacity to augment land-based fire suppression capability.

\*One person may be able to manage all of these tasks.

\*\*These tasks are assigned as needed.

\*\*\*Personnel may be assigned to other tasks once this one is complete.

Updated by SORC Team January, 2010

**APPENDIX K: TACOMA FIRE DEPARTMENT  
COMPREHENSIVE TASK ANALYSIS - TECHNICAL RESCUE**

**CRITICAL: Tasks assigned to initiate rescue to prevent life loss**

<b>Task</b>	<b>Personnel</b>	<b>Apparatus</b>
Incident Command/control/size up	1*/***	1st engine/ladder
Incident safety	*	1st engine/ladder
Accountability	*	1st engine/ladder
Manage tech rescue operations	*	1st engine/ladder
Tech rescue safety	0-1**	1st engine/ladder, 1 BC/ISO vehicle
Isolate and deny entry	1-6**/****	1-2 engines/ladders
Lock out/tag out	0-6**/****	1-2 engines/ladders
Ventilation/atmospheric monitoring	2-4**/****	1-2 engines/ladders
EMS treatment in tech rescue environment	2-5**/****	1 engine/ladder, 1 medic company
Back up entry team(s)	0-4**/****	1-2 engines/ladders
Scene stabilization	6-14**/****	1 engine, 1 ladder, 1 medic company, Engine 8, Ladder 2
<b>TOTAL: EFFECTIVE RESPONSE FORCE</b>	<b>6-14</b>	<b>1 engine, 1 ladder, 1 medic company Engine 8, Ladder 2</b>
<b>SUBSEQUENT: Tasks assigned to further support the incident through to termination</b>	<b>Personnel</b>	<b>Apparatus</b>
Transfer Command	0-2**	1 <sup>st</sup> BC/ISO vehicle
Additional Command support	0-2**	2 <sup>nd</sup> BC/ISO vehicle
Logistical support	1-3**/****	1 engine/ladder
Equipment set-up	2-4**/****	1-2 engines/ladders
Set up and operate air supply	0-3 **	AIR 42
Equipment deployment/operations	2-35**/****	6 engines, 3 ladders 2 medic companies, 2 BC/ISO vehicles HM 44, TR 48
Making entry for reconnaissance/rescue	1-2**/****	1 engine/ladder
Casualty packaging	1-4**/****	1 engine/ladder 1 medic company
Casualty extrication	1-6**/****	1-2 engine/ladder 1 medic company
EMS treatment post extrication	2-5**/****	1 engine/ladder 1 medic company
Incident termination	1-8**/****	1-3 engines/ladders
<b>TOTAL:</b>	<b>6-38</b>	<b>6 engines, 3 ladders 2 medic companies 2 BC/ISO vehicles HM 44, AIR 42, TR 48</b>

\*One person may be able to manage all of these tasks.

\*\*These tasks are assigned as needed.

\*\*\*Personnel may be assigned to other tasks once this one is complete.

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**APPENDIX L: TACOMA FIRE DEPARTMENT  
COMPREHENSIVE TASK ANALYSIS: HAZMAT**

**CRITICAL:**

Tasks assigned to initiate mitigation to prevent life/property loss and/or environmental damage

Task	Personnel	Apparatus
Establish Command and control	1*/***	1 engine or ladder
Size up	*/***	1 engine or ladder
Accountability	*/***	1 engine or ladder
Safety	*/***	1 engine or ladder
Manage Haz-Mat operations	*	1 engine/ladder
Haz-Mat safety	0-1**/****	1 engine/ladder, Engine 12, Ladder 3
Identify hazardous materials	1-5**/****	1 engine/ladder
Evaluate hazards	1-5**/****	1 engine/ladder
Control access to the scene	1-12**/****	1 engine or ladder, Engine 12, Ladder 3
Establish incident control zones	1-12**/****	1 engine or ladder, Engine 12, Ladder 3
Isolate and/or evacuate people in hot and warm zones	1-12**/****	1 engine or 1 ladder, Engine 12, Ladder 3
<b>TOTAL: EFFECTIVE RESPONSE FORCE</b>	<b>3-12</b>	<b>1 engine or 1 ladder Engine 12 Ladder 3</b>

**SUBSEQUENT:**

Tasks assigned to later arriving resources to further support the incident through to termination

Transfer Command	0-2**	1 BC/ISO vehicle
Select PPE	1-2**/****	1 engine/ladder
Extinguish fire	2-32**/****	4 engines, 2 ladders Engine 12, Ladder 3 2 medic companies, 2 BC/ISO vehicles
Cool hazardous material container(s)	2-12**/****	1-4 engines/ladders
Confine and contain hazardous material release	2-32**/****	4 engines, 2 ladders Engine 12, Ladder 3 2 medic companies, 2 BC/ISO vehicles
Stop further hazardous material release	2-8**/****	1-3 engines/ladders
Coordinate hazard removal	1-3**/****	1 engine/ladder
Rescue casualties	2-6**/****	1-2 engines/ladders
Decontaminate people, equipment and/or apparatus	2-32**/****	4 engines, 2 ladders Engine 12, Ladder 3 2 medic companies, 2 BC/ISO vehicles
Provide emergency medical services	2-5**/****	1 engine/ladder, 1 medic company
Dispose of contaminated clothing and/or equipment	1-6**/****	1-2 engines/ladders
Demobilize and terminate TFD involvement	1-3**/****	1 engine/ladder
Rehab TFD personnel	2-8**/****	1-2 engines/ladders, 1 medic company
<b>TOTAL:</b>	<b>3-32</b>	<b>4 engines, 2 ladders Engine 12, Ladder 3 2 medic companies, 2 BC/ISO vehicles</b>

\*One person may be able to handle all of these tasks

\*\* These tasks are assigned as needed

\*\*\*Personnel may be assigned to other tasks once this one is complete

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