

# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## EVALUATION OF SALVAGE & MARINE FIREFIGHTING SERVICES

This document is intended to provide a common focus for Vessel Response Plan stakeholders as we plan and evaluate plans that include salvage and marine firefighting services.

Information about each required salvage and marine firefighting service is distilled from 33 CFR Part 155, Salvage and Marine Firefighting Requirements; Vessel Response Plans for Oil, Final Rule, and presented in these categories.

- SERVICE CATEGORY
- SPECIFIC SERVICE
- DEFINITION
- RESOURCES REQUIRED
- TIMEFRAME
- TIMEFRAME Beginning
- TIMEFRAME End
- SERVICE WAIVER TIME PERIOD IN YEARS

Information summarized by service category may be particularly helpful to vessel owner / operators for evaluating potential salvage and marine firefighting service providers, and in applying for temporary waivers of specific response time requirements when you are unable to identify a resource provider who can meet those requirements.

Table 155.4030(b) includes service category and timeframe requirements and is included in this document for easy reference. Resource Provider adequacy selection criteria and information about how and when to request temporary waivers from the timeframe requirements of this rule are also found within this document.

The Contents page is hyperlinked for ease of navigation to topics of interest. Point to the topic with the mouse, press the CONTROL key, and click the left mouse button to jump right to that page. Use the "Back to Contents" link to return to the Contents page when you are ready to move to your next.

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**TABLE 155.4030(b)—SALVAGE AND MARINE FIREFIGHTING SERVICES AND RESPONSE TIMEFRAMES**

		Service Location of incident response activity timeframe	
<b>(1) Salvage .....</b>		<b>CONUS Nearshore: nearshore area; inland waters;Great Lakes; and OCONUS Inner: &lt; or = 12 miles from COTP city (hours)</b>	<b>CONUS Offshore: offshore area; and OCONUS Outer: &lt; or = 50 miles from COTP city (hours)</b>
<b>(i) Assessment &amp; Survey:</b>			
(A) Remote assessment and consultation		1	1
(B) Begin assessment of structural stability		3	3
(C) On-site salvage assessment		6	12
(D) Assessment of structural stability		12	18
(E) Hull and bottom survey		12	18
<b>(ii) Stabilization:</b>			
(A) Emergency towing		12	18
(B) Salvage plan 16 22			
(C) External emergency transfer operations		18	24
(D) Emergency lightering		18	24
(E) Other refloating methods		18	24
(F) Making temporary repairs		18	24
(G) Diving services support		18	24
<b>(iii) Specialized Salvage Operations:</b>			
(A) Special salvage operations plan		18	24
(B) Subsurface product removal		72	84
(C) Heavy lift † Estimated Estimated			
<b>(2) Marine firefighting</b>	<b>At pier (hours)</b>	<b>CONUS: Nearshore nearshore area; inland waters;Great Lakes; and OCONUS Inner: &lt; or = 12 miles from COTP city (hours)</b>	<b>CONUS Offshore: offshore area; and OCONUS Outer: &lt; or = 50 miles from COTP city (hours)</b>
<b>(i) Assessment &amp; Planning:</b>			
(A) Remote assessment and consultation .....	1	1	1
(B) On-site fire assessment .....	2	6	12
<b>(ii) Fire Suppression:</b>			
(A) External firefighting teams .....	4	8	12
(B) External vessel firefighting systems .....	4	12	18

† Heavy lift services are not required to have definite hours for a response time. The planholder must still contract for heavy lift services, provide a description of the heavy lift response and an estimated response time when these services are required, however, none of the timeframes listed in the table in § 155.4030(b) will apply to these services.

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**SELECTION CRITERIA**

**§ 155.4050 Ensuring that the salvors and marine firefighters are adequate.**

(a) You (vessel owners or operators) are responsible for determining the adequacy of the resource providers you intend to include in your plan.

(b) When determining adequacy of the resource provider, you must select a resource provider that meets the following selection criteria (see list below) to the maximum extent possible.

(c) A *resource provider* need not meet all of the selection criteria in order for you to choose them as a provider. They must, however, be selected on the basis of meeting the criteria to the maximum extent possible.

(d) You must certify in your plan that these factors were considered when you chose your resource provider.

- (1) *Resource provider* is currently working in response service needed.
- (2) *Resource provider* has documented history of participation in successful salvage and/or marine firefighting operations, including equipment deployment.
- (3) *Resource provider* owns or has contracts for equipment needed to perform response services.
- (4) *Resource provider* has personnel with documented training certification and degree experience (Naval Architecture, Fire Science, etc.).
- (5) *Resource provider* has 24-hour availability of personnel and equipment, and history of response times compatible with the time requirements in the regulation.
- (6) *Resource provider* has on-going continuous training program. For marine firefighting providers, they meet the training guidelines in NFPA 1001, 1005, 1021, 1405, and 1561 (Incorporation by reference, see § 155.140), show equivalent training, or demonstrate qualification through experience.
- (7) *Resource provider* has successful record of participation in drills and exercises.
- (8) *Resource provider* has salvage or marine firefighting plans used and approved during real incidents.

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- (9) *Resource provider* has membership in relevant national and/or international organizations.
- (10) *Resource provider* has insurance that covers the salvage and/or marine firefighting services which they intend to provide.
- (11) *Resource provider* has sufficient up front capital to support an operation.
- (12) *Resource provider* has equipment and experience to work in the specific regional geographic environment(s) that the vessel operates in (e.g., bottom type, water turbidity, water depth, sea state and temperature extremes).
- (13) *Resource provider* has the logistical and transportation support capability required to sustain operations for extended periods of time in arduous sea states and conditions.
- (14) *Resource provider* has the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard the health and safety of their workers when providing salvage and marine firefighting services.
- (15) *Resource provider* has familiarity with the salvage and marine firefighting protocol contained in the local ACPs for each COTP area for which they are contracted.

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## [REQUESTS FOR TEMPORARY WAIVERS](#) (33 CFR 155.4055)

If you are unable to identify a resource provider who can meet the response planning timeframe for a service, you must submit your waiver request to the Commandant, Director of Prevention Policy (CG-54), via the local COTP for final approval. Service waiver time periods are listed in Table 155.4055(g) (below), and are included for each service in the following pages.

TABLE 155.4055(g)—SERVICE WAIVER TIME PERIODS

Service	Maximum Waiver time period (years)
(1) Remote salvage Assessment & consultation .....	0
(2) Remote firefighting Assessment & consultation .....	0
(3) On-site salvage & firefighting assessment .....	1
(4) Hull and bottom survey .....	2
(5) Salvage stabilization services .....	3
(6) Fire suppression services .....	4
(7) Specialized salvage operations.....	5

Emergency lightering requirements set forth in § 155.4030(b) will not be subject to the waiver provisions of this subpart.

Your request for a temporary waiver from meeting the timeframes of this rule must be specific as to the:

- COTP zone,
- operating environment,
- salvage or marine firefighting service, and
- response time.
- reason why you are unable to meet the time requirements.
- how you intend to correct the shortfall,
- the time it will take to do so, and
- what arrangements have been made to provide the required response resources and
- their estimated response times.

The local COTP will evaluate and comment on the waiver before forwarding the waiver request, via the District to the Commandant (CG- 54) for final approval. Commandant, Director of Prevention Policy (CG-54), will only approve waiver requests up to a specified time period, depending on the service addressed in the waiver request, the operating environment, and other relevant factors.

**You must submit your waiver request 30 days prior to any plan submission deadlines identified in this or any other subpart of part 155 in order for your vessel to continue oil transport or transfer operations. Regulatory lead times for submission of plans are: Plan Revisions (all types) - 30 Days, Tank and Non-Tank New Plans – 60 Days, Non-Tank Plan Recertifications and Tank Resubmissions – 180 Days.**

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## SALVAGE ASSESSMENT AND SURVEY:

### 1.A) Remote assessment and consultation.

#### DEFINITION

*Remote assessment and consultation* means contacting the salvage (and/or marine firefighting) resource providers, by phone or other means of communications to discuss and assess the situation. The person contacted must be competent to consult on a determination of the appropriate course of action and initiation of a response plan. (33 CFR 155.4025)

#### RESOURCES REQUIRED

Salvage resource provider .

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

**TIMEFRAME (Table 155.4030(b):** 1 hour Nearshore/Inner. 1 hour Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

33 CFR 155.4040(b). The timeframe starts when anyone in your response organization receives notification of a potential or actual incident.

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the salvor is in voice contact with the Qualified Individual / Master / Operator.

**SERVICE WAIVER TIME PERIOD**    **0 YEARS** (Table 155.4055(g))

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## SALVAGE ASSESSMENT AND SURVEY:

### 1.B) Begin assessment of structural stability.

#### DEFINITION

33 CFR 155.4025 defines *assessment of structural stability* as “the completion of a vessel’s stability and structural integrity assessment through the use of a salvage software program. The data used for the calculations would include information collected by the on-scene salvage professional. The assessment is intended to allow sound decisions to be made for subsequent salvage efforts. In addition, the assessment must be consistent with the conditions set forth in 33 CFR 155.240 and 155.245 as applicable.”

#### RESOURCES REQUIRED

On -scene salvage professional.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Salvage software program and personnel.

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 3 hours Nearshore/Inner. 3 hours Offshore/Outer.

#### TIMEFRAME BEGINS WHEN:

33 CFR 155.4040(b) The timeframe starts when anyone in your response organization receives notification of a potential or actual incident.

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when a structural assessment of the vessel has been initiated.

**SERVICE WAIVER TIME PERIOD** 1 YEAR (Table 155.4055(g))

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## SALVAGE ASSESSMENT AND SURVEY:

### 1.C) On-site salvage assessment.

#### DEFINITION

*On-site salvage assessment* means that a salvage professional is on scene, at a safe distance from the vessel or on the vessel, who has the ability to assess the vessel's stability and structural integrity. The data collected during this assessment will be used in the salvage software calculations and to determine necessary steps to save the vessel. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

On-scene salvage professional.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 6 hours Nearshore/Inner. 12 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the salvor is on board the vessel.

**SERVICE WAIVER TIME PERIOD** 1 YEAR (Table 155.4055(g))

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## SALVAGE ASSESSMENT AND SURVEY:

### 1.D) Assessment of structural stability.

#### DEFINITION

*Assessment of structural stability* means completion of a vessel's stability and structural integrity assessment through the use of a salvage software program. The data used for the calculations would include information collected by the on-scene salvage professional. The assessment is intended to allow sound decisions to be made for subsequent salvage efforts. In addition, the assessment must be consistent with the conditions set forth in 33 CFR 155.240 and 155.245, as applicable. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

On -scene salvage professional.  
Salvage software program and personnel.  
Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 12 hours Nearshore/Inner. 18 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

33 CFR 155.4040(b) The timeframe starts when anyone in your response organization receives notification of a potential or actual incident.

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the initial analysis is completed. This is a continual process, but at the time specified an analysis needs to be completed.

**SERVICE WAIVER TIME PERIOD** 1 YEARS (Table 155.4055(g))

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## SALVAGE ASSESSMENT AND SURVEY:

### 1.E) Hull and bottom survey.

#### DEFINITION

*Underwater vessel and bottom survey* means having salvage resources on scene that can perform examination and analysis of the vessel's hull and equipment below the water surface. These resources also include the ability to determine the bottom configuration and type for the body of water. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

This service can be accomplished through the use of equipment such as sonar, magnetometers, remotely operated vehicles or divers. (33 CFR 155.4025)

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 12 hours Nearshore/Inner. 18 hours Offshore/Outer

When divers are used to perform these services, the time requirements for this service apply and not those of diving services support. (33 CFR 155.4025)

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the hull and bottom survey is complete.

**SERVICE WAIVER TIME PERIOD** 2 YEARS (Table 155.4055(g))

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## SALVAGE STABILIZATION SERVICES

### 2.A) Emergency Towing.

#### DEFINITION

*Emergency towing*, also referred to as rescue towing, means the use of towing vessels that can pull, push or make-up alongside a vessel. This is to ensure that a vessel can be stabilized, controlled or removed from a grounded position. Towing vessels must have the proper horsepower or bollard pull compatible with the size and tonnage of the vessel to be assisted. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Vessel characteristics, size and tonnage information from the VRP's Vessel Specific Appendix.

Towing vessels with the proper bollard pull or horsepower compatible with the size and tonnage of the vessel to be assisted and capable of responding in winds up to 40 knots. (33 CFR 155.4030(e))

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 12 hours Nearshore/Inner. 18 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the towing vessel is on-scene.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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## SALVAGE STABILIZATION SERVICES

### 2.B) Salvage Plan.

#### DEFINITION

*Salvage plan* means a plan developed to guide salvage operations except those identified as specialized salvage operations. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Salvor and planning resources.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 16 hours Nearshore/Inner. 22 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the plan is completed and submitted to the Incident Commander / Unified Command.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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## SALVAGE STABILIZATION SERVICES

### 2.C) External emergency transfer operations.

#### DEFINITION

*External emergency transfer operations* means the use of external pumping equipment placed on board a vessel to move oil from one tank to another, when the vessel's own transfer equipment is not working. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Information – capacity of largest oil tank (VRP – Vessel Specific Appendix)

External pumping equipment that is capable of offloading and transferring the oil from the vessel's largest oil tank in 24-hours of continuous operations. (33 CFR 155.4030(f))

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the external pumps are on board the vessel.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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## SALVAGE STABILIZATION SERVICES

### 2.D) Emergency lightering.

#### DEFINITION

*Emergency lightering* is the process of transferring oil between two ships or other floating or land-based receptacles in an emergency situation and may require pumping equipment, transfer hoses, fenders, portable barges, shore based portable tanks, or other equipment that circumstances may dictate. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Information – capacity of largest oil tank (VRP – Vessel Specific Appendix)

External pumping equipment that is capable of offloading the vessel's largest oil tank in 24-hours of continuous operations. (33 CFR 155.4030(f))

Lightering vessel and external storage.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the lightering equipment is on scene and along side.

**SERVICE WAIVER TIME PERIOD** 0 YEARS (Table 155.4055(g))

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## SALVAGE STABILIZATION SERVICES

### 2.E) Other Refloating Methods.

#### DEFINITION

*Other refloating methods* are those techniques for refloating a vessel aside from using pumps. These services include, but are not limited to, the use of pontoons, air bags or compressed air. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Pontoons, air bags, compressed air or other refloating equipment as required.  
Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the salvage plan is approved and resources are on the vessel.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## SALVAGE STABILIZATION SERVICES

### 2.F) Making Temporary Repairs.

#### DEFINITION

*Making temporary repairs* means action to temporarily repair a vessel to enable it to safely move to a shipyard or other location for permanent repairs. These services include, but are not limited to, shoring, patching, drill stopping, or structural reinforcement. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Shoring, patching, drill stopping, structural reinforcement equipment and/or other equipment as required.  
Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the repair equipment is on board the vessel.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## SALVAGE STABILIZATION SERVICES

### 2.G) Diving services support.

#### DEFINITION

*Diving services support* means divers and their equipment to support salvage operations. This support may include, but not be limited to, underwater repairs, welding, placing lifting slings. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Divers and equipment to support underwater salvage operations such as underwater repairs, welding, placing lifting slings, etc.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the required support equipment and personnel are on the scene.

**SERVICE WAIVER TIME PERIOD** 3 YEARS (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## SPECIALIZED SALVAGE OPERATIONS

### 3.A) Special salvage operations plan.

#### DEFINITION

*Special salvage operations plan* means a salvage plan developed to carry out a specialized salvage operation, including heavy lift and/or subsurface product removal. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Salvor and planning resources.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 18 hours Nearshore/Inner. 24 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the plan is completed and submitted to the Incident Commander / Unified Command.

**SERVICE WAIVER TIME PERIOD** 5 YEARS (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## SPECIALIZED SALVAGE OPERATIONS

### 3.B) Subsurface product removal.

#### DEFINITION

*Subsurface product removal* means the safe removal of oil from a vessel that has sunk or is partially submerged underwater. These actions can include pumping or other means to transfer the oil to a storage device. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

You must have subsurface product removal capability if your vessel(s) operates in waters of 40 feet or more. Your resource provider must have the capability of removing cargo and fuel from your sunken vessel to a depth equal to the maximum your vessel operates in up to 150 feet. (33 CFR 155.4030(h))

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 72 hours Nearshore/Inner. 84 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the resources are on scene.

**SERVICE WAIVER TIME PERIOD** 5 YEARS (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## SPECIALIZED SALVAGE OPERATIONS

### 3.C) Heavy Lift.

#### DEFINITION

*Heavy lift* means the use of a salvage crane, A-frames, hydraulic jacks, winches, or other equipment for lifting, righting, or stabilizing a vessel. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Salvage cranes, A-frames, hydraulic jacks, winches or other equipment.  
Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** ESTIMATED Nearshore/Inner. ESTIMATED Offshore/Outer

Heavy lift services are not required to have definite hours for a response time. The planholder must still contract for heavy lift services, provide a description of the heavy lift response and an estimated response time when these services are required, however, none of the timeframes listed in the table in § 155.4030(b) will apply to these services.

#### ETA BEGINS WHEN:

Measurement of the estimated time of arrival starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### ETA ENDS WHEN:

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or (inner and outer areas) within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe for this service is an estimated arrival time. The estimated time of arrival for heavy lift equipment ends when the service reaches the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

**SERVICE WAIVER TIME PERIOD NOT APPLICABLE.** (Table 155.4055(g))

VESSEL OWNER / OPERATOR PROVIDES ETA FOR IDENTIFIED AND CONTRACTED RESOURCES.

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## MARINE FIREFIGHTING – ASSESSMENT AND PLANNING

### 1.A) Remote Assessment and Consultation.

#### DEFINITION

*Remote assessment and consultation* means contacting the (salvage and/or) marine firefighting resource providers, by phone or other means of communications to discuss and assess the situation. The person contacted must be competent to consult on a determination of the appropriate course of action and initiation of a response plan. (33 CFR 155.4025)

#### RESOURCES REQUIRED

Marine firefighting resource provider.

Salvage and marine firefighting pre-incident information (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 1 hour at Pier. 1 hour Nearshore/Inner. 1 hour Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b) )

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the pier, the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the firefighter is in voice contact with the Qualified Individual / Master / Operator.

**SERVICE WAIVER TIME PERIOD 0 YEARS** (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## MARINE FIREFIGHTING – ASSESSMENT AND PLANNING

### 1.B) On-site fire assessment.

#### DEFINITION

*On-site fire assessment* means that a marine firefighting professional is on scene, at a safe distance from the vessel or on the vessel, who can determine the steps needed to control and extinguish a marine fire in accordance with a vessel's stability and structural integrity assessment if necessary. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

On-scene marine firefighting professional.

Salvage and marine firefighting pre-incident information including pre-fire plan (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 2 hours at Pier. 6 hours Nearshore/Inner. 12 hours Offshore/Outer

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the pier, the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the firefighter representative is on site.

**SERVICE WAIVER TIME PERIOD** 1 YEAR (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## MARINE FIREFIGHTING – FIRE SUPPRESSION

### 2.A) External firefighting teams.

#### DEFINITION

*External firefighting team* means trained firefighting personnel, aside from the crew, with the capability of boarding and combating a fire on a vessel. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

On board firefighting personnel, aside from the crew.

Salvage and marine firefighting pre-incident information including pre-fire plan (33 CFR 155.4035).

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b)):** 4 hours at Pier. 8 hours Nearshore/Inner. 12 hours Offshore/Outer.

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the pier, the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the firefighting team and equipment are on site.

**SERVICE WAIVER TIME PERIOD**    **4 YEARS** (Table 155.4055(g))

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# SALVAGE & MARINE FIREFIGHTING SERVICES DEFINITIONS / TIMEFRAMES / WAIVERS MAY 19, 2010

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## MARINE FIREFIGHTING – FIRE SUPPRESSION

### 2.B) External vessel firefighting systems.

#### DEFINITION

*External vessel firefighting systems* mean firefighting resources (personnel and equipment) that are capable of combating a fire from other than on board the vessel. These resources include, but are not limited to, fire tugs, portable fire pumps, airplanes, helicopters, or shore side fire trucks. (33 CFR 155.4025)

#### RESOURCES REQUIRED:

Salvage and marine firefighting pre-incident information including pre-fire plan (33 CFR 155.4035).

External firefighting personnel, fire tugs, portable fire pumps, airplanes, helicopters, or shore side fire trucks. (33 CFR 155.4025)

Firefighting equipment must be compatible with the vessel. The VRP must list the proper type and amount of extinguishing agent needed to combat a fire involving the vessel's cargo, other contents, and superstructure. If the primary extinguishing agent is foam or water, the VRP must identify resources that are able to pump, for a minimum of 20 minutes, at least 0.016 gallons per minute per square foot of the deck area of your vessel, or an appropriate rate for spaces that this rate is not suitable for and if needed, an adequate source of foam. These resources described are to be supplied by the resource provider, external to the vessel's own firefighting system. (33 CFR 155.4030(g))

Worker health and safety. Your resource providers must have the capability to implement the necessary engineering, administrative, and personal protective equipment controls to safeguard their workers when providing salvage and marine firefighting services, as found in 33 CFR 155.1055(e) and 29 CFR 1910.120(q). § (33 CFR 155.4032)

**TIMEFRAME (Table 155.4030(b):** 4 hours at Pier. 12 hours Nearshore/Inner. 18 hours Offshore/Outer.

#### TIMEFRAME BEGINS WHEN:

The timeframe starts when anyone in your response organization receives notification of a potential or actual incident. (33 CFR 155.4040(b))

#### TIMEFRAME ENDS WHEN:

It (the response timeframe) ends when the service reaches the pier, the ship, the outer limit of the nearshore area, the outer limit of the offshore area, the 12 (inner) or 50-mile (outer) point from the COTP city, or a point identified in your response plan for areas OCONUS. (33 CFR 155.4040(b))

Table 155.4040(c) provides additional amplifying information for vessels transiting within the nearshore and offshore areas of CONUS or within 50 miles of an OCONUS COTP city. (33 CFR 155.4040(c))

Table 155.4040(c) indicates that the response timeframe ends for this service when the firefighting personnel and equipment are on scene.

**SERVICE WAIVER TIME PERIOD** 4 YEARS (Table 155.4055(g))

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