

**§ 550.907**

**5 CFR Ch. I (1–1–01 Edition)**

(c) Protective or mechanical devices have adequately alleviated physical discomfort or distress.

[56 FR 20345, May 3, 1991, as amended at 59 FR 33417, June 29, 1994]

payable under other statutes. It shall not be considered part of the employee's rate of basic pay in computing additional pay or allowances payable under other statutes.

[56 FR 20345, May 3, 1991]

**§ 550.907 Relationship to additional pay payable under other statutes.**

Hazard pay differential is in addition to any additional pay or allowances

APPENDIX A TO SUBPART I OF PART 550—SCHEDULE OF PAY DIFFERENTIALS  
 AUTHORIZED FOR HAZARDOUS DUTY UNDER SUBPART I  
 HAZARD PAY DIFFERENTIAL, OF PART 550 PAY ADMINISTRATION (GENERAL)

Duty	Rate of hazard pay differential (percent)	Effective date
Exposure to Hazardous Weather or Terrain:		
(1) <i>Work in rough and remote terrain.</i> When working on cliffs, narrow ledges, or near vertical mountainous slopes where a loss of footing would result in serious injury or death, or when working in areas where there is danger of rock falls or avalanches.	25	First pay period beginning after July 1, 1969.
(2) <i>Traveling under hazardous conditions.</i> (a) When travel over secondary or unimproved roads to isolated mountain top installations is required at night, or under adverse weather conditions (such as snow, rain, or fog) which limits visibility to less than 30 meters (100 feet), when there is danger of rock, mud, or snow slides.	25	Do.
(b) When travel in the wintertime, either on foot or by means of vehicle, over secondary or unimproved roads or snow trails, in sparsely settled or isolated areas to isolated installations is required when there is danger of avalanches, or during "whiteout" phenomenon which limits visibility to less than 3 meters (10 feet).	25	Do.
(c) When work or travel in sparsely settled or isolated areas results in exposure to temperatures and/or wind velocity shown to be of considerable danger, or very great danger, on the windchill chart (appendix A-1), and shelter (other than temporary shelter) or assistance is not readily available.	25	Do.
(3) <i>Snow or ice removal operations.</i> When participating in snowplowing or snow or ice removal operations, regardless of whether on primary, secondary or other class of roads, when (a) there is danger of avalanche, or (b) there is danger of missing the road and falling down steep mountainous slopes because of lack of snow stakes, "white-out" conditions, or sloping ice-pack covering the snow.	25	Do.
(4) <i>Water search and rescue operations.</i> Participating as a member of a water search and rescue team in adverse weather conditions when winds are blowing at 56 km/h (35 m.p.h.) (classified as gale winds) or in water search and rescue operations conducted at night.	25	Do.
(5) <i>Travel on Lake Pontchartrain.</i> (a) When embarking, disembarking or traveling in small craft (boat) on Lake Pontchartrain when wind direction is from north, northeast, or northwest, and wind velocity is over 7.7 meters per second (15 knots); or	25	Do.
(b) When travelling in small crafts, where craft is not radar equipped, on Lake Pontchartrain is necessary due to emergency or unavoidable conditions and the trip is made in a dense fog under fog run procedures.	25	Do.
(6) <i>Hazardous boarding or leaving of vessels.</i> When duties (a), (b), or (c) are performed under adverse conditions of foul weather, ice, or night and when the sea state is high (0.9 meter (3 feet) and above):		
(a) Boarding or leaving vessels at sea or standing offshore during lightering or personnel transfer operations.	25	First pay period beginning after May 7, 1970.
(b) Boarding, leaving, or transferring equipment between small boats or rafts and steep, rocky, or coral surrounded shorelines.		
(c) Transferring equipment between a small boat and rudimentary dock by improvised or temporary facility such as an unfastened plank leading from boat to dock.		
(7) <i>Small craft tests under unsafe sea conditions.</i> Conducting craft tests to determine the seakeeping characteristics of small craft in a seaway when U.S. storm warnings normally indicate unsafe seas for a particular size craft.	25	First pay period beginning on or after Sept. 28, 1972.
(8) <i>Working on a drifting sea ice floe.</i> When the job requires that the work be performed out on sea ice, e.g., installing scientific instruments and making observations for research purposes.	25	First pay period beginning after March 16, 1973.

Office of Personnel Management

Pt. 550, Subpt. I, App. A

HAZARD PAY DIFFERENTIAL, OF PART 550 PAY ADMINISTRATION (GENERAL)

Duty	Rate of hazard pay differential (percent)	Effective date
Exposure to Physiological Hazards:		
(1) <i>Pressurechamber subject.</i> (a) Participating as a subject in diving research tests which seek to establish limits for safe pressure profiles by working in a pressure chamber simulating diving or, as an observer to the test or as a technician assembling underwater mock-up components for the test, when the observer or technician is exposed to high pressure gas piping systems, gas cylinders, and pumping devices which are susceptible to explosive ruptures.	25	Do.
(b) <i>Working in pressurized sonar domes.</i> Performing checkout of sonar system after sonar dome has been pressurized. This may include such duties as changing transducer elements, setting of transducer turntables, checking of cables, piping, valves, circuits, underwater telephone, and pressurization plugs.	8	First pay period beginning after Feb. 16, 1975.
(c) Working in nonpressurized sonar domes that are a part of an underwater system. Performing certification pretrial inspections, involving such duties as calibrating, adjusting, and photographing equipment, in limited space and with limited egress.	4	First pay period beginning after Feb. 16, 1975.
(2) <i>Simulated altitude chamber subjects. Observers.</i> Participating in simulated altitude studies ranging from 5500 to 45,700 meters (18,000 to 150,000 feet) either as subject or as observer exposed to the same conditions as the subject.	25	Do.
(3) <i>Centrifuge subjects.</i> Participating as subject in centrifuge studies involving elevated G forces above the level of 49 meters per second <sup>2</sup> (5 G's) whether or not at reduced atmospheric pressure.	25	Do.
(4) <i>Rotational flight simulator subject.</i> Participating as a subject in a Rotational Flight Simulator in studies involving continuous rotation in one axis through 360° or in a combination of any axes through 360° at rotation rates greater than 15 r.p.m. for periods exceeding three minutes.	25	First pay period beginning after July 1, 1969.
Hot Work—Working in confined spaces wherein the employee is subject to temperatures in excess of 43° C (110° F).	4	First pay period beginning after Feb. 16, 1975.
(5) <i>Environmental thermal-chamber tests:</i> Subjects and observers exposed to the hazards and physical hardships of an environmental chamber-thermal test which simulates adverse weather or sea conditions such as the exposure to subzero temperatures; high heat and humidity; and cold water, spray, wind, and wave action.	25	May 4, 1988.
(6) <i>Working at high altitudes.</i> Performing work at a land-based worksite more than 3900 meters (12,795 feet) in altitude, provided the employee is required to commute to the worksite on the same day from a substantially lower altitude under circumstances in which the rapid change in altitude may result in acclimation problems..	8	January 11, 1999.
Exposure to Hazardous Agents, work with or in close proximity to:		
(1) <i>Explosive or incendiary materials.</i> Explosive or incendiary materials which are unstable and highly sensitive.	25	First pay period beginning after July 1, 1969.
(2) <i>At-sea shock and vibration tests.</i> Arming explosive charges and/or working with, or in close proximity to, explosive armed charges in connection with at-sea shock and vibration tests of naval vessels, machinery, equipment and supplies.	25	Do.
(3) <i>Toxic chemical materials.</i> Toxic chemical materials when there is a possibility of leakage or spillage.	25	Do.
(4) <i>Fire retardant materials tests.</i> Conducting tests on fire retardant materials when the tests are performed in ventilation restricted rooms where the atmosphere is continuously contaminated by obnoxious odors and smoke which causes irritation to the eyes and respiratory tract.	25	Do.
(5) <i>Virulent biologicals.</i> Materials of micro-organic nature which when introduced into the body are likely to cause serious disease or fatality and for which protective devices do not afford complete protection.	25	Do.
(6) <i>Asbestos.</i> Significant risk of exposure to airborne concentrations of asbestos fibers in excess of the permissible exposure limits (PELS) in the standard for asbestos provided in title 29, Code of Federal Regulations, §§ 1910.1001 or 1926.58, when the risk of exposure is directly connected with the performance of assigned duties. Regulatory changes in § 1910.1001 or 1926.58 are hereby incorporated in and made a part of this category, effective on the first day of the first pay period beginning on or after the effective date of the changes.	8	June 8, 1993
Participating in Liquid Missile Propulsion Tests and Certain Solid Propulsion Operations:		
(1) <i>Tanking and detanking.</i> Tanking or detanking operations of a missile or the test stand "run" bottles with liquid propellants.	25	First pay period beginning after July 1, 1969.
(2) <i>Hoisting a tanked missile.</i> Hoisting a tanked missile or a solid propellant propulsion system into and/or over the test stand.	25	Do.
(3) <i>Pressure tests.</i> Pressure tests on loaded missiles, missile tanks, or run bottles during prefire preparations.	25	Do.

## HAZARD PAY DIFFERENTIAL, OF PART 550 PAY ADMINISTRATION (GENERAL)

Duty	Rate of hazard pay differential (percent)	Effective date
(4) <i>Test stand tests.</i> Test stand operations on loaded missiles under environmental conditions where the high or low temperatures could cause a failure of a critical component.	25	Do.
(5) <i>Disassembly and breakdown.</i> Disassembly and breakdown of a contaminated missile system or test stand plumbing after test.	25	Do.
(6) <i>“Go” condition test stand work.</i> Working on any test stand above the 15-meter (50-foot) level or any stand work while the system is in a “go” condition.	25	Do.
(7) <i>Arming and dearming propulsion systems.</i> Arming, dearming or the installation and/or removal of any squib, explosive device, or a component thereof connected to, or part of, any live or potentially expended liquid or solid propulsion system.	25	Do.
(8) <i>Demolition and destruct tests.</i> Demolition, hazards classification, or destruct type tests where the specimen is nonstandard and/or unproven and the test techniques do not conform to standard or proven procedures.	25	Do.
Work in Fuel Storage Tanks:		
When inspecting, cleaning or repairing fuel storage tanks where there is no ready access to an exit, under conditions requiring a breathing apparatus because all or part of the oxygen in the atmosphere has been displaced by toxic vapors or gas, and failure of the breathing apparatus would result in serious injury or death within the time required to leave the tank.	25	Do.
Firefighting:		
(1) <i>Forest and range fires.</i> Participating as a member of a firefighting crew in fighting forest and range fires on the fireline.	25	Do.
(2) <i>Equipment, installation, or building fires.</i> Participating as an emergency member of a firefighting crew in fighting fires of equipment, installations, or buildings.	25	Do.
(3) <i>In-water under-pier firefighting operations.</i> Participating in in-water under-pier firefighting operations (involving hazards beyond those normally encountered in firefighting on land, e.g., strong currents, cold water temperature, etc.).	25	Do.
Work in Open Trenches:		
Work in an open trench 4.6 meters (15 feet) or more deep until proper shoring has been installed.	25	Do.
Underground Work:		
Work underground performed in the construction of tunnels and shafts, and the inspection of such underground construction, until the necessary lining of the shaft or tunnel has eliminated the hazard.	25	Do.
Underwater Duty:		
(1) <i>Submerged submarine or deep research vehicle.</i> Duty aboard a submarine or deep research vehicle when it submerges.	25	Do.
(2) <i>Diving.</i> Diving, including SCUBA (self-contained underwater breathing apparatus) diving, required in scientific and engineering pursuits, or search and rescue operations, when: (a) at a depth of 6 meters (20 feet) or more below the surface; or, (b) visibility is restricted; or, (c) in rapidly flowing or cold water; or, (d) vertical access to the surface is restricted by ice, rock, or other structure; or, (e) testing or working with hardware which presents special hazards (such as work with high voltage equipment or work with underwater mockup components in an underwater space simulation study).	25	Do.
Sea Duty Aboard Deep Research Vessels:		
Participating in sea duty wherein the team member is engaged in handling equipment on or over the side of the vessel when the sea-state is high (6.2 meter-per-second winds (12-knot winds) and 0.9-meter waves (3-foot waves) and the work is done on deck in relatively unprotected areas.	25	Do.
Collection of Aircraft Approach and Landing Environmental Data:		
When operating or monitoring camera equipment adjacent to flight deck in the area of maximum hazard during landing sequence while conducting photographic surveys aboard aircraft carriers during periods of heavy aircraft operations.	25	First pay period beginning after July 1, 1969.
Experimental Landing/Recovery Equipment Tests:		
Participating in tests of experimental or prototype landing and recovery equipment where personnel are required to serve as test subjects in spacecraft being dropped into the sea or laboratory tanks.	25	Do.

Office of Personnel Management

Pt. 550, Subpt. I, App. A

HAZARD PAY DIFFERENTIAL, OF PART 550 PAY ADMINISTRATION (GENERAL)

Duty	Rate of hazard pay differential (percent)	Effective date
<p>Land Impact or Pad Abort of Space Vehicle:</p> <p>Actual participating in dearming and safing explosive ordinance, toxic propellant and high pressure vessels on vehicles that have land impacted or on vehicles on the launch pad that have reached a point in the countdown where no remote means are available for returning the vehicle to a safe condition.</p>	25	Do.
<p>Height Work:</p> <p>Working on any structure of at least 15 meters (50 feet) above the base level, ground, deck, floor, roof, etc., under open conditions, if the structure is unstable or if scaffolding guards or other suitable protective facilities are not used, or if performed under adverse conditions such as snow, sleet, ice on walking surfaces, darkness, lightning, steady rain, or high wind velocity.</p>	25	Do.
<p>Flying, participating in:</p> <p>(1) <i>Pilot proficiency training.</i> Flights for pilot proficiency training in aircraft new to the pilot under simulated emergency conditions which parallel conditions encountered in performing flight tests.</p>	25	Do.
<p>(2) <i>Delivery of new aircraft for flight testing.</i> Flights to deliver aircraft which has been prepared for one-time flight without being test flown prior to delivery flight.</p>	25	Do.
<p>(3) <i>Test flights of new modified, or repaired aircraft.</i> Test flights of a new or repaired aircraft or modified aircraft when the modification may affect the flight characteristics of the aircraft.</p>	25	Do.
<p>(4) <i>Reduced gravity—parabolic arc flights—subjects/observers.</i> Reduced gravity flight testing in an aircraft flying a parabolic flight path and providing a testing environment ranging from weightlessness up through +20 meters per second<sup>2</sup> (+2 gravity conditions).</p>	25	Do.
<p>(5) <i>Launch and recovery.</i> Test flights involving launch and recovery aboard an aircraft carrier.</p>	25	Do.
<p>(6) <i>Limited control flights.</i> Flights undertaken under unusual and adverse conditions (such as extreme weather, maximum load or overload, limited visibility, extreme turbulence, or low level flights involving fixed or tactical patterns) which threaten or severely limit control of the aircraft.</p>	25	Do.
<p>(7) <i>Flight tests of expandable aircraft tires.</i> Landing to test aircraft tires designed to deflate upon retraction, undertaken to appraise the normal deflate-reinflate cycle and also to evaluate the capability to make a satisfactory landing with the tires deflated.</p>	25	Do.
<p>(8) <i>Landing and taking-off in polar areas.</i> Landing in polar areas on unprepared snow or ice surfaces and/or taking-off under the same conditions.</p>	25	Do.
<p>Experimental Parachute Jumps:</p> <p>Participating as a jumper in field exercises to test and evaluate new types of jumping equipment and/or jumping techniques.</p>	25	Do.
<p>Ground Work Beneath Hovering Helicopter:</p> <p>Participating in ground operations to attach external load to helicopter hovering just overhead.</p>	25	Do.
<p><i>Sling-suspended transfers.</i> When performance of duties requires transfer from a helicopter to a ship via a sling on the end of a steel cable or from a ship to another ship via a chair harness hanging from a highline between the ships when both vessels are underway.</p>	25	First pay period beginning after Oct. 11, 1969.
<p><i>Carrier suitability trials aboard aircraft carriers.</i> Participating in carrier suitability trials aboard aircraft carriers when work is performed on the flight deck during launch, recovery, and refueling operations.</p>	25	Do.
<p><i>Cargo handling during lightering operations.</i> Off-loading of cargo and supplies from surface ships to Landing Craft—Medium (LCM) boats involving exposure not only to falling cargo but such other hazards as shifting cargo within the LCM, swinging cargo hooks, and possibility of falling between the LCM and cargo vessel.</p>	25	Do.
<p>Work in unsafe structures: Working within or immediately adjacent to a building or structure which has been severely damaged by earthquake, fire, tornado, flood, or similar cause, when the structure has been declared unsafe by competent technical authority, and when such work is considered necessary for the safety of personnel or recovery of valuable materials or equipment, and the work is authorized by competent authority.</p>	25	First pay period beginning on or after Apr. 11, 1976.

**Pt. 550, Subpt. I, App. A**

**5 CFR Ch. I (1-1-01 Edition)**

HAZARD PAY DIFFERENTIAL, OF PART 550 PAY ADMINISTRATION (GENERAL)

Duty	Rate of hazard pay differential (percent)	Effective date
<p>Tropical Jungle Duty: Work outdoors in undeveloped jungle regions outside the continental United States. Work must involve both of the following:</p> <ul style="list-style-type: none"> <li>(1) An unusual degree of physical hardship caused by high heat, humidity, or other inclement conditions; and</li> <li>(2) An unusual danger of serious injury or illness due to:                             <ul style="list-style-type: none"> <li>(a) Travel on unimproved roads or rudimentary trails in rugged terrain (e.g., walking on narrow trails in steep mountainous areas, fording deep, fast-moving rivers, and crossing deep crevasses via log or other unsafe means);</li> <li>(b) Immediate presence of dangerous wildlife (e.g., venomous snakes, poisonous insects, and large carnivores); or</li> <li>(c) Known exposure to serious disease for which adequate protection cannot be provided.</li> </ul> </li> </ul>	25	June 14, 1989.

(5 U.S.C. 5595; E.O. 11257, 3 CFR 1964-1965 Comp., p. 357)  
 [34 FR 11083, July 1, 1969; 34 FR 12623, Aug. 2, 1969, as amended at 34 FR 15747, Oct. 11, 1969; 35 FR 7172, May 7, 1970; 37 FR 20248, Sept. 28, 1972; 39 FR 7115, Mar. 16, 1973; 40 FR 7437, Feb. 20, 1975; 41 FR 12635, Mar. 26, 1976; 41 FR 14165, Apr. 2, 1976; 53 FR 36557, Sept. 21, 1988; 54 FR 8267, Feb. 28, 1989; 54 FR 25224, June 14, 1989 and 55 FR 1354, Jan. 14, 1990; 56 FR 20345, May 3, 1991; 58 FR 32050, June 8, 1993; 58 FR 32276, June 9, 1993; 64 FR 1502, Jan. 11, 1999]

APPENDIX A-1 TO SUBPART I OF PART 550—WINDCHILL CHART

**WINDCHILL CHART IN METRIC UNITS**

Wind Speed (KPH)	Local Temperature (°C)										
	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50
Calm	0 C	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50
8	-2	-7	-12	-17	-23	-28	-33	-38	-44	-49	-54
16	-8	-14	-20	-26	-32	-38	-44	-51	-57	-63	-69
24	-11	-18	-25	-32	-38	-45	-51	-58	-65	-72	-78
32	-14	-21	-28	-36	-42	-49	-57	-64	-71	-78	-85
40	-16	-23	-31	-39	-46	-53	-61	-68	-76	-83	-90
48	-17	-24	-33	-41	-48	-56	-63	-72	-78	-86	-94
56	-18	-26	-34	-42	-49	-57	-65	-73	-81	-88	-97
64	-19	-27	-35	-43	-51	-59	-66	-74	-82	-91	-98
72	-19	-28	-36	-43	-52	-59	-67	-76	-83	-91	-99
80	-20	-28	-36	-44	-52	-60	-68	-76	-84	-92	-100
Little danger                      Considerable danger                      Very great danger For properly clothed persons                      Danger of freezing of exposed flesh											

WINDCHILL CHART IN NON-METRIC UNITS

APPENDIX A-1—WINDCHILL CHART

WINDCHILL CHART											
	Local Temperature (°F)										
Wind Speed (MPH)	32	23	14	5	-4	-13	-22	-31	-40	-49	-58
Calm	32	23	14	5	-4	-13	-22	-31	-40	-49	-58
5	29	20	10	1	-9	-18	-28	-37	-47	-56	-65
10	18	7	-4	-15	-26	-37	-48	-59	-70	-81	-92
15	13	-1	-13	-25	-37	-49	-61	-73	-85	-97	-109
20	7	-6	-19	-32	-44	-57	-70	-83	-96	-109	-121
25	3	-10	-24	-37	-50	-64	-77	-90	-104	-117	-130
30	1	-13	-27	-41	-54	-68	-82	-97	-109	-123	-137
35	-1	-15	-29	-43	-57	-71	-85	-99	-113	-127	-142
40	-3	-17	-31	-45	-59	-74	-87	-102	-116	-131	-145
45	-3	-18	-32	-46	-61	-75	-89	-104	-118	-132	-147
50	-4	-18	-33	-47	-62	-76	-91	-105	-120	-134	-148
Little Danger      Considerable Danger      Very Great Danger For Properly Clothed Persons      Danger From Freezing of Exposed Flesh											

[33 FR 12458, Sept. 4, 1968, as amended at 58 FR 32277, June 9, 1993]

**Subpart J—Adjustment of Work Schedules for Religious Observances**

AUTHORITY: 5 U.S.C. 5550a.

**§ 550.1001 Coverage.**

This subpart applies to each employee in or under an executive agency as defined by section 105 of title 5, United States Code.

[43 FR 46288, Oct. 6, 1978, and 51 FR 23036, June 25, 1986]

**§ 550.1002 Compensatory time off for religious observances.**

(a) These regulations are issued pursuant to title IV of Public Law 95-390, enacted September 29, 1978. Under the law and these regulations, an employee whose personal religious beliefs require the abstention from work during certain periods of time may elect to en-

gage in overtime work for time lost for meeting those religious requirements.

(b) To the extent that such modifications in work schedules do not interfere with the efficient accomplishment of an agency's mission, the agency shall in each instance afford the employee the opportunity to work compensatory overtime and shall in each instance grant compensatory time off to an employee requesting such time off for religious observances when the employee's personal religious beliefs require that the employee abstain from work during certain periods of the workday or workweek.

(c) For the purpose stated in paragraph (b) of this section, the employee may work such compensatory overtime before or after the grant of compensatory time off. A grant of advanced compensatory time off should be repaid