

NWCG Data Standard
FIRE CAUSE KIND and CATEGORY
Standard Data Values
 November 29, 2007

Standard data values are provided when a data attribute has a pre-determined set of terms, codes, and/or numbers that must be used in order for the data to be valid. The purpose of standard data values is to ensure consistency and accuracy within a system and across multiple systems.

The following list provides NWCG's standard data values for this data attribute:

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
Arson	Deliberately set ignition with malicious intent.		
		Arson	Deliberately set ignition with malicious intent.
Children	Any ignition regardless of cause from minors under the age of 12		
		Aerosol Can	An ignition caused by improper use of aerosol cans
		Burning Material	An ignition caused by lighted tobacco products, most often cigarettes, that are improperly discarded or abandoned.
		Camping and Outdoor Recreation Equipment	A fire ignited from camping and/or outdoor recreation equipment such as propane lanterns and grills....
		Farming/Gardening Equipment	A fire ignited by a tractor, baler, chemical applicator, combine, lawn mower, weed whip.

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Firearm	A fire caused by shooting either from the firearm or by the bullets
		Firestarter	An ignition started by misuse of matches, lighter, mirror, flint.
		Fireworks	An wildfire started by sparks from fireworks
		Illegal substance production	A fire ignited by illegal substance production such as but not limited to marijuana cultivation or clandestine methamphetamine laboratories
		Match	An ignition started by use of a match while smoking
		Off-road Vehicle	A fire ignited by a 4-wheeler, jeep, dirtbike, snowmobile.
		Sun's Heat	A fire ignited from spontaneous combustion caused by magnification through glass bottles, jars, etc.
Debris/Vegetation	Ignition from the fire intended to remove or reduce debris or residue.		
		Barrel	A concrete, steel or other noncombustible container used to burn debris.
		Field or land clearing	Fire caused by burning off of fields, generally for agriculture purposes or right of way
		Industrial generated residue	Fire caused by burning of tires, debris in a landfill or dump

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Naturally occurring residue	A fire ignited to remove fuels caused by the natural accumulation of vegetative material
		Pile	A fire ignited to remove fuels generated by hand, tractor, landing or window piles.
		Trash	Material not confined by barrel or similar appliance ignited to dispose of trash.
		Wildland Activity - Resource/Land Mgmt	A prescribed fire that has escaped prescription
Equipment	Ignition from open flame or sparks caused by use of equipment.		
		Aircraft	A fire ignited by a rotor or fixed wing, hang glider, ultra-lite aircraft
		Aquatic Craft	A fire ignited by a boat, boat motor, house boat, jet ski.
		Camping and Outdoor Recreation Equipment	A fire ignited from camping and/or outdoor recreation equipment such as propane lanterns and grills
		Construction Equipment	A fire ignited by a front-end loader, dozer, or excavator.
		Electric Production/Transmission/Distribution Equipment	A fire ignited by powerlines, transformers, or circuit breakers

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Farming/Gardening Equipment	A fire ignited by a tractor, baler, chemical applicator, combine, lawn mower, weed whip.
		Freight/Large Transport Vehicle	A fire ignited from a semi-truck/trailer, logging truck.
		Logging/Mechanical Equipment	A fire ignited by a feller, buncher, hot saw (non-chainsaw, forwarder), log line, tail block,, tower, splitter, etc.
		Off-Road Vehicle	A fire ignited by a 4-wheeler, jeep, dirtbike, snowmobile.
		Passenger Vehicle	A fire ignited from an auto, pickup, motorcycle, recreational vehicle (5th wheeler, motor home, travel trailer, camper) and other passenger vehicles
		Powertool	A fire ignited by powertools (e.g. electric drill), or internal combustion engines (e.g. chainsaw).
		Utilities	A fire ignited from a pipeline, main, conduit, etc.
		Welding/Cutting Equipment	A fire ignited from an arc welding rod, torch or cutting equipment.
Juveniles	Any ignition regardless of cause from minors 13 through 17 years old		
		Aerosol Can	An ignition caused by improper use of aerosol cans

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Burning Material	An ignition caused by lighted tobacco products, most often cigarettes, that are improperly discarded or abandoned.
		Camping and Outdoor Recreation Equipment	A fire ignited from camping and/or outdoor recreation equipment such as propane lanterns and grills....
		Farming/Gardening Equipment	A fire ignited by a tractor, baler, chemical applicator, combine, lawn mower, weed whip.
		Firearm	A fire caused by shooting either from the firearm or by the bullets
		Firestarter	An ignition started by misuse of matches, lighter, mirror, flint.
		Fireworks	An wildfire started by sparks from fireworks
		Illegal substance production	A fire ignited by illegal substance production such as but not limited to marijuana cultivation or clandestine methamphetamine laboratories
		Match	An ignition started by use of a match while smoking
		Off-road Vehicle	A fire ignited by a 4-wheeler, jeep, dirtbike, snowmobile.

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Passenger Vehicle	A fire ignited from an auto, pickup, motorcycle, recreational vehicle (5th wheeler, motor home, tavel trailer, camper) and other passenger vehicles
		Sun's Heat	A fire ignited from spontaneous combustion caused by magnification through glass bottles, jars, etc.
Misuse of Fire	Ignition from misuse of materials.		
		Aerosol Can	An ignition caused by improper use of aerosol cans
		Fire Starter	An ignition stared by misuse of matches, lighter, mirror, flint.
		Fireworks	An wildfire started by sparks from fireworks
Natural	Ignition caused from natural means.		
		Lightning, Volcanic, or Geothermal Action	A fire ignited from lightning, volcanic, or geothermal action.
		Spontaneous combustion	A fire ignited from spontaneous combustion caused by a Peat bog, dung, etc.
		Sun's Heat	A fire ignited from spontaneous combustion caused by magnification through glass bottles, jars, etc.

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
Open or Outdoor Fire	Ignition from open flame such as a campfire that burns beyond source area.		
		Campfire	A fire primarily ignited to cook food or to provide warmth
		Protection	A fire ignited to repel animals.
		Religious/Ceremonial	A fire primarily ignited for religious or ceremonial purposes.
		Signal	A fire ignited to signal for help or rescue.
		Smoke Out	A fire ignited to smoke-out insects, game, predators.
Other Causes	Ignition from sources not otherwise identified.		
		Chemical/Mineral	A fire ignited from a chemical or mineral substance such as coal dust, sulfur, magnesium, paint, fertilizer.
		Explosive	A fire ignited by any type of explosive other than wildland fireworks.
		Firearm	A fire caused by shooting either from the firearm or by the bullets
		Illegal substance production	A fire ignited by illegal substance production such as but not limited to marijuana cultivation or clandestine methamphetamine laboratories
Railroad	Any ignition caused by the railroad		

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Locomotive	An ignition caused by a railroad engine such as exhaust.
		Other Railroad	An ignition caused by railroad brakes, wheels, and other sources
Smoking	Ignition from open flame, sparks, or other material associated with smoking.		
		Burning Material	An ignition caused by lighted tobacco products, most often cigarettes, that are improperly discarded or abandoned.
		Match	An ignition started by use of a match while smoking
Structure	Ignition from a permanent structure to wildland fuels. Does not include wildland fires that subsequently burn a structure.		
		Electrical Wiring	An ignition caused by electrical faults associated with wiring or with wiring devices incorrectly installed.
		Fireplace, chimney, flue	An ignition started from an inside or outside fireplace, chimney or flue.

<i>FIRE CAUSE KIND</i>		<i>FIRE CAUSE CATEGORY</i>	
Value	Description	Value	Description
		Chemical	An ignition starting from chemicals that when exposed to air (i.e., phosphorous) will ignite, or chemicals that can undergo a reaction with oxygen and heat up their ignition point such as soaked oil rags.
		Undetermined	Cause not known