

NWCG Data Standard
FIRE RESOURCE KIND, CATEGORY, and TYPE
Standard Data Values
 June 12, 2008

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 RESOURCE KIND</i>		<i>FIRE RESOURCE CATEGORY</i>		<i>FIRE RESOURCE TYPE</i>	
Value	Description	Value	Description	Value	Description
Aircraft	A machine, such as an airplane or helicopter, capable of sustained flight and used for wildland fire operations.				
		Airtanker	Fixed-wing aircraft certified by FAA as being capable of transport and delivery of fire retardant solutions.		
				Heavy (Type 1)	NWCG Type 1 airtanker
				Medium (Type 2)	NWCG Type 2 airtanker
				Light (SEAT, Types 3 and 4)	NWCG Types 3 or 4 airtanker including Single Engine Airtanker

<i>FIRE RESOURCE KIND</i>		<i>FIRE RESOURCE CATEGORY</i>		<i>FIRE RESOURCE TYPE</i>	
Value	Description	Value	Description	Value	Description
		Fixed Wing	An aircraft that has stationary wings, especially as distinct from rotor blades. This category includes lead planes and transport aircraft. Note: airtankers have a separate category.		
				Air Attack Platform	Fixed wing aircraft used for Air Attack.
				Lead Plane	Fixed wing aircraft used to make trial runs over the target area to check wind, smoke conditions, topography and to lead air tankers to targets and supervise their drops.
				Reconnaissance Aircraft	Fixed wing aircraft used for reconnaissance.
				Smokejumper Aircraft	Fixed wing aircraft used to transport and deploy smokejumpers.
		Helicopter	An aircraft that depends principally on the lift generated by one or more rotors for its support in flight.		
				Type 1	Largest capacity helicopter – NWCG Type 1.
				Type 2	Medium capacity helicopter – NWCG Type 2.

				Type 3	Smallest capacity helicopter – NWCG Type 3.
Crews	An organized group of workers, such as firefighters under the leadership of a crew boss or other designated official, that are used for wildland fire operations.				
		Handcrew	An organized group, comprised of approximately 20 trained and qualified individuals, that is principally used for wildland fire operations.		
				Type 1	NWCG Type 1 handcrew.
				Type 2	NWCG Type 2 handcrew.
				Type 2/IA	NWCG Type 2 handcrew with Initial Attack capability.
		Other	An organized group, comprised of trained and qualified individuals with significantly less than 20 persons, that is principally used for wildland fire operations.		
				Fire Use Module	An organized group, comprised of 7 to 10 trained and qualified individuals, that is principally used for wildland fire use incidents.

				Helitack Module	A crew comprised of firefighters specially trained and certified in the tactical and logistical use of helicopters for wildland fire operations.
				Individual Firefighter	Person whose principal function is fire suppression, but not functioning or otherwise accounted for as a member of another formal module or crew.
				Individual Smokejumper	A specifically trained and certified firefighter that is deployed to wildland fires by aircraft and parachute.
				Rappeller Module	A specialized crew of firefighters that are deployed from hovering helicopters, sliding down ropes with the aid of friction-producing devices.
Equipment	An apparatus, such as an engine or dozer, that is used for wildland fire operations.				
		Dozer	A tracked vehicle with a front mounted blade used for exposing mineral soil to construct fireline or firebreaks.		
				Type 1	NWCG Type 1 dozer
				Type 2	NWCG Type 2 dozer

				Type 3	NWCG Type 3 dozer
		Engine	A ground vehicle used principally for tactical wildland firefighting to deploy water on a fire utilizing pump and hose apparatus.		
				Structural Engine Module (Types 1 and 2)	NWCG Types 1 or 2 engine plus accompanying crew
				Wildland Heavy Engine Module (Types 3, 4, and 5)	NWCG Types 3, 4, or 5 engine plus accompanying crew
				Wildland Light Engine Module (Types 6 and 7)	NWCG Types 6 or 7 engine plus accompanying crew
				Other Engine Module	Engine used for wildland fire operations, but not meeting structural, wildland heavy, or wildland light engine module specifications due to non-standard configuration or staffing.

		Other Equipment	Apparatus used for wildland fire operations that is not appropriately classified as an engine, dozer, tractor plow, or watertender.		
				Boat	A watercraft having pumps and nozzles that spray water to extinguish burning wildland fuels, or provides other tactical functions for wildland fire operations.
				High Mobility Utility Vehicle	Highly mobile specialized multipurpose apparatus used for tactical wildland fire operations such as water delivery, fireline construction, and/or firing operations.
				Low Ground Pressure Utility Vehicle	Low ground pressure, including amphibious, specialized multipurpose apparatus used for tactical wildland fire operations such as water delivery, fireline construction, and/or firing operations in wet areas.
				Trencher	An motorized apparatus that is used to dig a trench or otherwise expose mineral soil for the purpose of constructing a fireline or firebreak.

		Tractor Plow	A tractor with a plow used to expose mineral soil to construct fireline or firebreaks.		
				Heavy Tractor Plow (Type 1)	Largest capacity tractor plow – NWCG Type 1.
				Medium Tractor Plow (Type 2 and 3)	Medium capacity tractor plow – NWCG Types 2 and 3.
				Light Tractor Plow Type 4, 5 and 6	Smaller capacity tractor plow – NWCG Types 4, 5 and 6.
		Watertender	A ground vehicle primarily used for delivering water in support of wildland fire operations. Note: engines have a separate category.		
				Type 1	Largest capacity watertender – NWCG Type 1.
				Type 2	Medium capacity watertender – NWCG Type 2.
				Type 3	Smallest capacity watertender – NWCG Type 3.
Overhead	Wildland fire personnel assigned to supervisory and management positions.				
		Operations	Personnel responsible for managing and supervising tactical wildland fire operations.		

				Individual Operations Overhead Personnel	Individual personnel assigned to overhead positions on the fireground and responsible for managing and supervising tactical wildland fire operations.
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