



# National Interagency Resource Ordering and Status System

Date: April 16, 2008

To: ROSS Data Administrators

Subject: Reclassification of Water Tender Resource Items

The NWCG has made changes in the standards for Water Tenders. Effective immediately, all Water Tender Resource Items entered into ROSS must be reclassified to meet the following standards:

|                            | Water Tender Type |           |           |             |             |
|----------------------------|-------------------|-----------|-----------|-------------|-------------|
|                            | Support           |           |           | Tactical    |             |
| Requirements               | S1                | S2        | S3        | T1          | T2          |
| Tank capacity (gal)        | <b>4000</b>       | 2500      | 1000      | <b>2000</b> | <b>1000</b> |
| Pump minimum flow (gpm)    | 300               | 200       | 200       | <b>250</b>  | <b>250</b>  |
| @ rated pressure (psi)     | <b>50</b>         | <b>50</b> | <b>50</b> | <b>150</b>  | <b>150</b>  |
| Max. refill time (minutes) | 30                | 20        | 15        | -           | -           |
| Pump and roll              | -                 | -         | -         | <b>Yes</b>  | <b>Yes</b>  |
| Personnel (min)            | <b>1</b>          | <b>1</b>  | <b>1</b>  | <b>2</b>    | <b>2</b>    |

The previous catalog categories for Water Tender (e.g. "Tender, Water, Type 1") will be removed effective June 1, 2008.

/s/ Jon C. Skeels

JON C. SKEELS  
Senior Project Manager

cc: Kim Christensen, NICC Manager  
Rick Squires, NICC



# NATIONAL WILDFIRE COORDINATING GROUP

National Interagency Fire Center  
3833 S. Development Avenue  
Boise, Idaho 83705

November 26, 2007

Mr. Kyle Blackman  
IMS Division  
FEMA  
500 C. Street SW  
Washington, DC 20472

Re: Engine and Water Tender Typing

Dear Mr. Blackman:

The National Wildfire Coordinating Group (NWCG) approved the Fire Equipment Working Team's proposed National Mobilization Minimum Engine and Water Tender Typing at the October 2007 NWCG Meeting. The discussion during the review of the typing focused on the two types of engines: structural and wildland.

The NWCG recognizes their experience falls within the wildland engine program area rather than structure engines. In working through the typing process, the group identified their minimum needs for structure engines and would like to submit this to the National Incident Management System (NIMS) group for consideration when they review and establish national structure engine typing.

The NWCG would like to partner with NIMS in the establishment of the typing for engines and tenders such that the NWCG would have the lead on the wildland engine typing and NIMS would adopt these standards, and the NIMS have the lead on the structure engine typing and the NWCG will adopt what the NIMS develops and published.

If you are supportive of this approach, please let me know at your earliest convenience. I can be reached at (602) 771-1403 or via email [kirkrowdabaugh@azstatefire.org](mailto:kirkrowdabaugh@azstatefire.org).

Sincerely,

Kirk Rowdabaugh  
NWCG Chairman

Attachment  
cc: NWCG Members

**National Mobilization Minimum Engine and Water Tender Typing  
October 2007**

| Requirements                | Engine Type |            |             |            |               |               |               |
|-----------------------------|-------------|------------|-------------|------------|---------------|---------------|---------------|
|                             | Structure   |            | Wildland    |            |               |               |               |
|                             | 1           | 2          | 3           | 4          | 5             | 6             | 7             |
| Tank minimum capacity (gal) | <b>300</b>  | <b>300</b> | 500         | 750        | 400           | 150           | 50            |
| Pump minimum flow (gpm)     | 1000        | <b>500</b> | 150         | 50         | 50            | <b>50</b>     | 10            |
| @ rated pressure (psi)      | 150         | 150        | 250         | 100        | 100           | 100           | 100           |
| Hose 2½"                    | 1200        | 1000       | -           | -          | -             | -             | -             |
| 1½"                         | <b>500</b>  | 500        | <b>1000</b> | 300        | 300           | 300           | -             |
| 1"                          | -           | -          | 500         | 300        | 300           | 300           | 200           |
| Ladders per NFPA 1901       | <b>Yes</b>  | <b>Yes</b> | -           | -          | -             | -             | -             |
| Master stream 500 gpm min.  | Yes         | -          | -           | -          | -             | -             | -             |
| <b>Pump and roll</b>        | -           | -          | <b>Yes</b>  | <b>Yes</b> | <b>Yes</b>    | <b>Yes</b>    | <b>Yes</b>    |
| <b>Maximum GVWR (lbs)</b>   | -           | -          | -           | -          | <b>26,000</b> | <b>19,500</b> | <b>14,000</b> |
| Personnel (min)             | 4           | 3          | 3           | 2          | 2             | 2             | 2             |

| Requirements               | Water Tender Type |           |           |             |             |
|----------------------------|-------------------|-----------|-----------|-------------|-------------|
|                            | Support           |           |           | Tactical    |             |
|                            | S1                | S2        | S3        | T1          | T2          |
| Tank capacity (gal)        | <b>4000</b>       | 2500      | 1000      | <b>2000</b> | <b>1000</b> |
| Pump minimum flow (gpm)    | 300               | 200       | 200       | <b>250</b>  | <b>250</b>  |
| @ rated pressure (psi)     | <b>50</b>         | <b>50</b> | <b>50</b> | <b>150</b>  | <b>150</b>  |
| Max. refill time (minutes) | 30                | 20        | 15        | -           | -           |
| Pump and roll              | -                 | -         | -         | <b>Yes</b>  | <b>Yes</b>  |
| <b>Personnel (min)</b>     | <b>1</b>          | <b>1</b>  | <b>1</b>  | <b>2</b>    | <b>2</b>    |

1. All types shall meet federal, state and agency requirements for motor vehicle safety standards, including all gross vehicle weight ratings when fully loaded.
2. Type 3 engines and tactical water tenders shall be equipped with a foam proportioner system.
3. All water tenders and engine types 3 through 6 shall be able to prime and pump water from a 10 foot lift.
4. Personnel shall meet the qualification requirements of NWCG *Wildland Fire Qualification System Guide*, PMS 310-1.

**Common Additional Needs – Request as Needed**

All Wheel Drive (includes four wheel drive)  
 High pressure pump (250 psi at one half flow of Type)  
 Foam Proportioner  
 Compressed Air Foam System (CAFS) 40 cfm minimum  
 Additional Personnel