

APPENDIX L
COMPARISON OF NFPA 1710 REQUIREMENTS TO 2003 MCFRS REQUIREMENTS

Requirement	NFPA 1710	MCFRS
Minimum staffing of Engine	4	3
Minimum staffing of Truck	4	3
Minimum staffing of BLS Unit	Per state requirement (2 in MD)	2
Minimum staffing of ALS Unit	4	3
Number of personnel on initial structure fire assignment	15	22 (+ 2 on EMS unit)
Number of personnel on subsequent alarms	≥3*	7-22**
Minimum uninterrupted water supply for structure fire	≥400 gpm for 30 min.	≥500 gpm for 30 min.
Minimum water application rate for structure fire	≥300 gpm	≥500 gpm
Minimum number of handlines for structure fire	2	3
Minimum water application rate for wildland fire	≥30 gpm	No standard
Minimum number of handlines for wildland fire (1½ inch, 500 ft.)	2	No standard
Minimum number of personnel for wildland fire suppression	7	No standard
Response time (travel time) for 1 st due Engine	4 min. to 90% of incds.	4 mins. to 85% of urban population 4 mins. to 65% of suburban pop. 4 mins. to 25% of rural pop.
Response time (travel time) for initial assignment to structure fire	8 min. to 90% of incds.	8 mins. to 90% of pop.
Response time (travel time) for BLS Unit to BLS incident	4 min. to 90% of incds.	4 min. to 85% of urban pop. 4 min. to 65% of suburban pop. 4 min. to 25% of rural pop.
Response time (travel time) for ALS Unit to ALS incident	8 min. to 90% of incds.	6 min. to 95% of urban pop. 6 min. to 90% of suburban pop. 6 min. to 50% of rural pop.

Note: “Response time” in NFPA 1710 equates to travel time only. NFPA also allows a maximum of 1 minute for 911 call processing and dispatch (per NFPA 1221) and 1 minute for turnout time (per NFPA1710) that must be added to travel time to match the MCFRS definition of response time. MCFRS defines response time as elapsed time between 911 call and arrival on scene. Added to travel time are two additional minutes allowing for 911 processing, dispatch, and turnout time. In order to compare equivalent times, **only travel time is presented above for both NFPA 1710 and MCFRS.** NFPA 1710 assumes that a municipality has only urban density.

* Two for upgrading IRIC to a full RIC, plus one safety officer

** MCFRS requirement varies depending on type of dispatch: Safety, Task Force, or 2nd alarm