

TABLE 4
MCFRS EFFECTIVE RESPONSE FORCE 2022 BENCHMARK RESPONSE TIMES
BY DENSITY ZONE AT 90th PERCENTILE PERFORMANCE LEVEL

Program	METROPOLITAN				URBAN				SUBURBAN				RURAL			
	PtoD	Turnout	Travel	TRT	PtoD	Turnout	Travel	TRT	PtoD	Turnout	Travel	TRT	PtoD	Turnout	Travel	TRT
Advanced Life Support 1 (ALS1)	2:00	1:30	8:15	11:45	2:00	1:30	8:45	12:15	2:00	1:30	9:30	13:00	2:00	1:30	10:30	14:00
Advanced Life Support 2 (ALS2)	2:00	1:30	7:45	11:30	2:00	1:30	8:15	11:45	2:00	1:30	9:00	12:30	2:00	1:30	10:00	13:30
Basic Life Support (BLS)	2:00	1:30	8:45	12:15	2:00	1:30	9:15	12:45	2:00	1:30	10:00	13:30	2:00	1:30	10:45	14:15
Fire-Full Assignment (FFA)	2:00	1:30	14:30	18:00	2:00	1:30	16:30	20:00	2:00	1:30	19:30	23:00	2:00	1:30	23:30	27:00
Fire-Full Assignment – Non-Hydranted (FFA-NH)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2:00	1:30	21:30	25:00	2:00	1:30	26:30	30:00
Adaptive 1- Fire (A1F)*	2:00	1:30	7:45	11:30	2:00	1:30	8:15	11:45	2:00	1:30	8:45	12:15	2:00	1:30	11:30	15:00
Adaptive 1- Non-Fire (A1N)*	2:00	1:30	7:45	11:30	2:00	1:30	8:15	11:45	2:00	1:30	8:45	12:15	2:00	1:30	11:30	15:00
Adaptive 2-3 (A2-3)	2:00	1:30	9:00	12:30	2:00	1:30	9:30	13:00	2:00	1:30	10:45	14:15	2:00	1:30	13:00	16:30
Hazmat - Moderate Risk (HM-MR)	3:00	1:30	15:30	20:00	3:00	1:30	17:30	22:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00
Hazmat–High Risk (HM-HR)	3:00	1:30	17:30	22:00	3:00	1:30	19:30	24:00	3:00	1:30	23:30	28:00	3:00	1:30	28:30	33:00
Hazmat – Special Risk (HM-SR)	3:00	1:30	19:30	24:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00	3:00	1:30	31:30	36:00
Water/Ice Rescue – Moderate Risk (WIR-MR)	3:00	1:30	15:30	20:00	3:00	1:30	17:30	22:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00
Water/Ice Rescue – High Risk (WIR-HR)	3:00	1:30	17:30	22:00	3:00	1:30	19:30	24:00	3:00	1:30	23:30	28:00	3:00	1:30	28:30	33:00
Water/Ice Rescue – Special Risk (WIR-SR)	3:00	1:30	19:30	24:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00	3:00	1:30	31:30	36:00
Technical Rescue – Special Risk (TR-SR)	3:00	1:30	19:30	24:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00	3:00	1:30	31:30	36:00
Aviation Rescue/Fire – High Risk (ARF-HR)	3:00	1:30	17:30	22:00	3:00	1:30	19:30	24:00	3:00	1:30	23:30	28:00	3:00	1:30	28:30	33:00
Aviation Rescue/Fire – Special Risk (ARF-SR)	3:00	1:30	19:30	24:00	3:00	1:30	21:30	26:00	3:00	1:30	25:30	30:00	3:00	1:30	31:30	36:00

PtoD = Phone to Dispatch TRT = Total Response Time (PtoD + Turnout + Travel)

* ERF is same time as for first-arriving unit as this is a one-unit response assignment

**MCFRS EFFECTIVE RESPONSE FORCE 2022 BENCHMARK RESPONSE TIMES
BY DENSITY ZONE AT 90th PERCENTILE PERFORMANCE LEVEL
(Continued)**

Program	METROPOLITAN TRT	URBAN TRT	SUBURBAN TRT	RURAL TRT
Bomb Squad – Moderate Risk (BS-MR)	60 mins.	60 mins.	65 mins.	70 mins.
Bomb Squad – High Risk (BS-HR)	45 mins.	45 mins.	50 mins.	60 mins.
Bomb Squad – Special Risk (BS-SR)	45 mins.	45 mins.	50 mins.	60 mins.

Total Response Time (TRT) = Time of dispatch to arrival on scene

Note: As explosive device (“bomb”) incidents are handled by Montgomery County Police (MCP) communications, there are no phone-to-dispatch times recorded/available in the MCFRS CAD System for these events. Furthermore, turnout times for the Bomb Squad are not recorded/available as they are tracked within MCP communications. MCFRS ECC can only record the time of dispatch for the Bomb Squad and the on-scene arrival time of the first-arriving Bomb Squad member as reported by radio or cell phone.

Note 2: Most of the Bomb Squad’s responses are routine responses (i.e., no emergency lights and siren) so this is reflected in 90th percentile benchmark response times.

EFFECTIVE RESPONSE FORCE (ERF) CRITERIA - 2022

Program/Risk Level	Required Units	Minimum Staffing	Req. Personnel
ALS2 (High Risk)	Medic Unit + AFRA, <u>or</u> 2 AFRA's + Ambulance, <u>or</u> 2 Medic Units + manpower unit, <u>or</u> 2 Medic Units + Ambulance, <u>or</u> Medic Unit + EMS Supervisor + manpower unit, <u>or</u> Medic Unit + EMS Supervisor + Ambulance, <u>or</u> AFRA + EMS Supervisor + Ambulance, <u>or</u> AFRA + ALS Chase Unit + Ambulance, <u>or</u> ALS Chase Unit + EMS Supervisor + Ambulance + manpower unit, <u>or</u> ALS Chase Unit + Medic + manpower unit	2 paramedics and 3 EMTs	5
ALS1 (Moderate Risk)	Medic Unit + manpower unit, <u>or</u> AFRA + Ambulance, <u>or</u> AFRA + Medic Unit, <u>or</u> ALS Chase Unit + Ambulance, <u>or</u> ALS Chase Unit + Medic Unit, <u>or</u> EMS Supervisor + Ambulance, <u>or</u> EMS Supervisor + Medic Unit	1 paramedic and 2 EMTs	3
BLS (Low Risk)	Ambulance <u>or</u> Medic Unit	2 EMTs (ambulance), <u>or</u> 1 Paramedic and 1 EMT-B (medic unit)	2
Fire Full Assignment (High Risk)	5 engines, 2 aerial units, 1 rescue squad, 1 EMS transport unit, 2 chiefs	2 chiefs, 8 unit officers*, 23-26 firefighters**	33-36**
Fire Full Assignment, non-hydranted (Special Risk)	5 engines, 3 tankers, 2 aerial units, 1 rescue squad, 1 EMS transport unit, 2 chiefs	2 chiefs, 9 unit officers*, 26-29 firefighters**	36-39**
Fire Full Assignment High-rise (Special Risk)	5 engines, 3 aerial units, 1 rescue squad, 1 EMS transport unit, 2 chiefs	2 chiefs, 8 unit officers*, 25-29 firefighters**	36-40
Adaptive 2-3 (Moderate Risk)	2 engines, 1 aerial unit or rescue squad	3 unit officers*, 8-9 firefighters**	11-12**
Hazmat - Moderate Risk	1 engine, 1 aerial unit or rescue squad, 1 ambulance, 1 medic unit, 1 chief, 1 hazmat unit	1 chief, 3 unit officers*, 12-13 firefighters**	16-17**
Hazmat - High Risk	3 engines, 1 aerial unit, 1 rescue squad, 2 EMS units, 1 chief, 1 hazmat unit	1 chief, 6 unit officers*, 20-22 firefighters**	27-29**
Hazmat - Special Risk	5 engines, 2 aerial units, 1 rescue squad, 1 EMS unit, 1 chief, 1 hazmat unit	1 chief, 9 unit officers*, 26-29 firefighters**	36-39**
Water/Ice - Moderate Risk	1 manpower unit, 1 EMS unit, 1 chief, 1 boat	1 chief, 1 unit officer*, 6-7 firefighters**	8-9**
Water/Ice - High Risk	1 manpower unit, 1 EMS unit, 1 chief, 2 boats	1 chief, 1 unit officer*, 8-9 firefighters**	10-11**
Water/Ice - Special Risk	1 manpower unit, 1 medic unit, 1 ambulance, 1 chief, 4 swift water boats	1 chief, 1 unit officer*, 14-15 firefighters	16-17**
Technical Rescue - Special Risk	1 engine, 1 aerial unit, 1 rescue squad, 1 ambulance, 1 medic unit, 1 chief, 1 technical rescue unit (TR700)	1 chief, 3 unit officers*, 12-15 firefighters**	16-19**
Aviation Rescue/Fire - High Risk	3 engines, 1 aerial unit, 1 rescue squad, 2 EMS units, 1 chief, 1 hazmat unit	1 chief, 6 unit officers*, 20-22 firefighters**	27-29**
Aviation Rescue/Fire - Special Risk	5 engines, 2 aerial units, 1 rescue squad, 1 EMS unit, 1 chief, 1 hazmat unit	1 chief, 9 unit officers*, 26-29 firefighters**	36-39**
Bomb Squad - Moderate Risk	2 FMs (or 1 FM and 1 bomb unit)	2 fire marshals	2
Bomb Squad - High Risk	2 FMs (or 1 FM and 1 bomb unit), 1 manpower unit or 1 EMS unit	2 fire marshals, 1 unit officer*, and 3-4 firefighters**	4-6**
Bomb Squad - Special Risk	2 FMs (or 1 FM and 1 bomb unit), 1 hazmat unit, 1 manpower unit, 1 EMS unit, 1 chief	1 chief, 2 fire marshals, 2 unit officers*, 7-8 firefighters**	12-13**

AFRA–ALS first-responder apparatus (4-person engine, aerial unit or rescue squad, with paramedic). Manpower unit – engine, aerial, or rescue squad. * Certified primary unit officer – MFF or above
 ** Minimum staffing requirement of engines is shown as 4 under the assumption that 4-person staffing of engines will have been fully implemented by 2020. Minimum staffing of aerials and rescue squads is shown as 3 (existing staffing) to 4 (future staffing) under the assumption that 4-person staffing of these units may not have been implemented by 2020.