

Montgomery County Fire and Rescue Service Information Bulletin Planning and Accreditation Section

Information Bulletin: 20-02

September 24, 2020

Page 1 of 1

TO: All MCFRS Personnel

FROM: Fire Chief Scott E. Goldstein 

SUBJECT: New Performance Benchmark Target Tables

In 2019, MCFRS evaluated and updated the risk assessments and revised the four-tiered population density maps (urban, suburban, metropolitan, rural) to two density zones: urban (more than 2500 people per square mile) and rural (less than 2500 people per square mile). This was done to be in compliance with the CFAI Fire & Emergency Services Model (FESSAM). An updated map can be found [here](#).

As a result, MCFRS First Arriving Unit and Effective Response Force Benchmark target goals have been updated to reflect baseline performance, population density, and assessed risk, and are attached to this Information Bulletin and shall be used in lieu of the tables included in the 2016 – 2022 Master Plan.

For further questions or clarification, contact Planning and Accreditation Section Manager Melissa Schulze or Accreditation Manager Demetrios “Jim” Vlassopoulos.

Attachments to MCFRS Information Bulletin 20-01

MCFRS First Arriving Unit Benchmark Goal Response Times to Emergency Programs by Risk Group for Each Density Zone at the 90th Percentile								
Program	Urban Density Zone				Rural Density Zone			
	PtoD	Turnout	Travel	TRT	PtoD	Turnout	Travel	TRT
ALS - All Risks (ALS1-ALS2)	0:03:00	0:01:20	0:06:00	0:10:15	0:03:00	0:01:20	0:10:00	0:14:00
ALS1 - Moderate Risk	0:03:00	0:01:20	0:06:30	0:10:15	0:03:00	0:01:20	0:10:00	0:14:00
ALS2 - High Risk	0:03:00	0:01:20	0:05:45	0:09:45	0:03:00	0:01:20	0:09:30	0:13:30
BLS - Low Risk	0:03:30	0:01:20	0:07:00	0:12:00	0:03:30	0:01:20	0:11:00	0:15:00
FFA - All Risks (HY-SRHR-NH)	0:03:00	0:01:20	0:05:45	0:09:15	0:03:00	0:01:20	0:10:45	0:14:15
FFA-HY - Fire Full Assignment Hydranted - High Risk	0:03:00	0:01:20	0:05:30	0:09:15	0:03:00	0:01:20	0:07:30	0:12:30
FFA-SRHR - Fire Full Assignment Highrise - Spec. Risk	0:03:00	0:01:10	0:04:00	0:08:15	N/A	N/A	N/A	N/A
FFA-NH - Fire Full Assignment Non-Hydrant - Spec. Risk	0:03:00	0:02:00	0:07:30	0:10:45	0:03:00	0:02:00	0:10:00	0:15:00
Adaptive - All Risks (A1F-A1N-A2-3)	0:03:00	0:01:20	0:06:00	0:12:00	0:03:00	0:01:20	0:12:00	0:17:15
Adaptive 1 - Fire Low Risk (A1F)	0:03:00	0:01:20	0:07:30	0:12:15	0:03:00	0:01:20	0:12:45	0:18:15
Adaptive 1 - Non-Fire Low Risk (A1N)	0:03:00	0:01:20	0:06:00	0:10:00	0:03:00	0:01:20	0:12:00	0:16:15
Adaptive 2-3 Moderate Risk (A2-3)	0:03:00	0:01:20	0:05:00	0:09:30	0:03:00	0:01:20	0:09:30	0:14:00
Hazmat - All Risks (HM-MR-HR-SR)	0:05:00	0:02:00	0:05:00	0:11:15	0:05:00	0:02:00	0:07:00	0:16:15
Hazmat - Moderate Risk (HM-MR)	0:05:00	0:02:00	0:05:00	0:09:30	0:05:00	0:02:00	0:07:00	0:12:00
Hazmat - High Risk (HM-HR)	0:05:00	0:02:00	0:05:00	0:11:00	0:05:00	0:02:00	0:07:00	0:15:45
Hazmat - Special Risk (HM-SR)	0:05:00	0:02:00	0:05:00	0:10:45	0:05:00	0:02:00	0:07:00	0:17:00
Water/Ice Rescue - All Risks (WIR-MR-HR-SR)	0:05:00	0:02:30	0:09:00	0:16:45	0:05:00	0:02:30	0:13:30	0:20:00
Water/Ice Rescue - Moderate Risk (WIR-MR)	0:05:00	0:02:30	0:09:00	0:16:45	0:05:00	0:02:30	0:11:00	0:17:00
Water/Ice Rescue - High Risk (WIR-HR)	0:05:00	0:02:30	0:11:00	0:19:00	0:05:00	0:02:30	0:14:00	0:20:00
Water/Ice Rescue - Special Risk (WIR-SR)	0:05:00	0:02:30	0:09:00	0:16:15	0:05:00	0:02:30	0:11:00	0:19:15
Technical Rescue - Special Risk (TR-SR)	0:05:00	0:03:00	0:05:30	0:11:00	0:05:00	0:03:00	0:08:00	0:17:00
Aviation Rescue Firefighting - All Risks (ARF-HR-SR)	0:05:00	0:02:00	0:05:00	0:10:30	0:05:00	0:02:00	0:09:00	0:15:45
Aviation Rescue Firefighting - High Risk (ARF-HR)	0:05:00	0:02:00	0:05:00	0:11:00	0:05:00	0:02:00	0:08:00	0:15:45
Aviation Rescue Firefighting - Special Risk (ARF-SR)	0:05:00	0:02:00	0:05:00	0:10:30	0:05:00	0:02:00	0:07:00	0:17:00
Bomb Squad - All Risks (BS-MR-HR-SR)	0:05:00	0:02:00	0:18:00	1:00:00	0:05:00	0:02:00	0:40:00	1:15:00
Bomb Squad - Moderate Risk (BS-MR)	0:05:00	0:03:00	0:19:00	1:00:00	0:05:00	0:03:00	0:40:00	1:15:00
Bomb Squad - High Risk (BS-HR)	0:05:00	0:03:00	0:26:00	1:00:00	0:05:00	0:03:00	0:40:00	1:15:00
Bomb Squad - Special Risk (BS-SR)	0:05:00	0:02:00	0:20:00	0:45:00	0:05:00	0:02:00	0:35:00	1:00:00

PtoD = Phone to Dispatch

TRT = Total Response Time (PtoD + Turnout + Travel)

Attachments to MCFRS Information Bulletin 20-01

MCFRS Effective Response Force (ERF) Benchmark Goal Response Times to Emergency Programs by Risk Group for Each Density Zone at the 90th Percentile								
Program	Urban Density Zone				Rural Density Zone			
	PtoD	Turnout	Travel	TRT	PtoD	Turnout	Travel	TRT
ALS1 - Moderate Risk	0:03:00	0:01:20	0:07:30	0:11:30	0:03:00	0:01:20	0:12:00	0:16:45
ALS2 - High Risk	0:03:00	0:01:20	0:08:00	0:12:00	0:03:00	0:01:20	0:12:30	0:17:00
BLS - Low Risk	0:03:30	0:01:20	0:08:00	0:12:30	0:03:30	0:01:20	0:12:00	0:17:00
FFA-HY - Fire Full Assignment Hydranted - High Risk	0:03:00	0:01:20	0:16:00	0:21:00	0:03:00	0:01:20	0:16:00	0:20:00
FFA-SRHR - Fire Full Assignment Highrise - Spec. Risk	0:03:00	0:01:10	0:15:30	0:20:00	N/A	N/A	N/A	N/A
FFA-NH - Fire Full Assignment Non-Hydrant - Spec. Risk	0:03:00	0:02:00	0:23:00	0:30:00	0:03:00	0:02:00	0:26:00	0:40:00
Adaptive 1 - Fire Low Risk (A1F)	0:03:00	0:01:20	N/A	N/A	0:03:00	0:01:20	N/A	N/A
Adaptive 1 - Non-Fire Low Risk (A1N)	0:03:00	0:01:20	N/A	N/A	0:03:00	0:01:20	N/A	N/A
Adaptive 2-3 Moderate Risk (A2-3)	0:03:00	0:01:20	0:08:30	0:12:30	0:03:00	0:01:20	0:13:00	0:16:30
Hazmat - Moderate Risk (HM-MR)	0:05:00	0:02:00	0:17:00	0:24:00	0:05:00	0:02:00	0:17:00	0:25:00
Hazmat - High Risk (HM-HR)	0:05:00	0:02:00	0:21:00	0:34:00	0:05:00	0:02:00	0:26:00	0:35:00
Hazmat - Special Risk (HM-SR)	0:05:00	0:02:00	0:22:00	0:35:00	0:05:00	0:02:00	0:15:00	0:25:00
Water/Ice Rescue - Moderate Risk (WIR-MR)	0:05:00	0:02:30	0:16:00	0:24:30	0:05:00	0:02:30	0:22:00	0:29:00
Water/Ice Rescue - High Risk (WIR-HR)	0:05:00	0:02:30	0:16:00	0:30:00	0:05:00	0:02:30	0:30:00	0:38:00
Water/Ice Rescue - Special Risk (WIR-SR)	0:05:00	0:02:30	0:20:00	0:26:30	0:05:00	0:02:30	0:22:00	0:37:00
Technical Rescue - Special Risk (TR-SR)	0:05:00	0:03:00	0:22:00	0:38:00	0:05:00	0:03:00	0:22:00	0:45:00
Aviation Rescue Firefighting - High Risk (ARF-HR)	0:05:00	0:02:00	0:23:00	0:30:00	0:05:00	0:02:00	0:28:00	0:35:00
Aviation Rescue Firefighting - Special Risk (ARF-SR)	0:05:00	0:02:00	0:21:00	0:30:00	0:05:00	0:02:00	0:26:00	0:35:00
Bomb Squad - Moderate Risk (BS-MR)	0:05:00	0:03:00	0:37:00	1:30:00	0:05:00	0:03:00	0:42:00	2:00:00
Bomb Squad - High Risk (BS-HR)	0:05:00	0:03:00	0:35:00	0:40:00	0:05:00	0:03:00	0:40:00	0:45:00
Bomb Squad - Special Risk (BS-SR)	0:05:00	0:02:00	0:55:00	1:00:00	0:05:00	0:02:00	1:00:00	1:10:00

PtoD = Phone to Dispatch

TRT = Total Response Time (PtoD + Turnout + Travel)