



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE


Marc Elrich
County Executive

Scott E. Goldstein
Fire Chief

M E M O R A N D U M

October 7, 2022

TO: All MCFRS Operational Personnel

FROM: Scott E. Goldstein, Fire Chief 
eSigned via SeamlessDocs.com
Key: 65f63612a22354b12846422615d51548f

SUBJECT: New Performance Benchmark Target Tables

It was recently determined in a review of first arriving unit (FAU) and effective response force (ERF) response times that MCFRS was exceeding some of the component benchmarks established in 2020. Therefore, FAU and ERF benchmark target goals have been revised to reflect baseline performance, population density, and risk groups and the tables are attached to this memo. If you would like to see how response times compare to these benchmarks, please visit the [Accreditation SharePoint Site](#) (network connection is required).

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

SEG/ms

Attachment

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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	0:13:15
BLS - Low Risk	0:03:00	0:01:20	0:07:00	0:12:00	0:03:00	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	0:02:00	0:09:30	0:13:45
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	0:02:30	0:09:45	0:14:15
Adaptive - All Risks (A1F-A1N-A2-3)	0:03:15	0:01:20	0:06:00	0:10:15	0:03:30	0:01:20	0:12:00	0:17:15
Adaptive 1 - Fire Low Risk (A1F)	0:04:00	0:01:20	0:07:30	0:12:15	0:04:00	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	0:01:30	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	0:15:45
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	0:11:15	0:05:00	0:02:00	0:07:00	0:15:45
Hazmat - Special Risk (HM-SR)	0:03:30	0:02:00	0:05:00	0:10:30	0:03:30	0:02:00	0:07:00	0:17:00
Water/Ice Rescue - All Risks (WIR-MR-HR-SR)	0:07:00	0:02:30	0:09:00	0:16:45	0:07:00	0:03:00	0:13:30	0:20:00
Water/Ice Rescue - Moderate Risk (WIR-MR)	0:07:00	0:02:30	0:09:00	0:16:45	0:07:00	0:03:00	0:09:30	0:17:00
Water/Ice Rescue - High Risk (WIR-HR)	0:07:00	0:02:30	0:08:00	0:14:00	0:07:00	0:03:00	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	0:03:00	0:11:00	0:19:15
Technical Rescue - Special Risk (TR-SR)	0:05:00	0:03:00	0:05:30	0:11:00	0:07:00	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)	0:03:30	0:02:00	0:05:00	0:10:30	0:03:30	0:02:00	0:07:00	0:17:00
Bomb Squad - All Risks (BS-MR-HR-SR)	0:03:00	0:02:00	0:18:00	0:55:00	0:03:00	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)	0:03:00	0:03:00	0:26:00	0:45:00	0:03:00	0:03:00	0:40:00	1:15:00
Bomb Squad - Special Risk (BS-SR)	0:02:00	0:03:00	0:15:00	0:45:00	0:02:00	0:02:00	0:35:00	1:00:00

PtoD = Phone to Dispatch

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

**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	0:03:00	0:01:20	0:08:00	0:12:30	0:03:00	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	0:21:45
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	0:02:30	0:26:00	0:38:45
Adaptive 1 - Fire Low Risk (A1F)	0:04:00	0:01:20	N/A	N/A	0:04:00	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	0:01:30	0:13:00	0:16:30
Hazmat - Moderate Risk (HM-MR)	0:05:00	0:02:00	0:17:00	0:25:00	0:05:00	0:02:00	0:17:00	0:30:00
Hazmat - High Risk (HM-HR)	0:05:00	0:02:00	0:21:00	0:30:00	0:05:00	0:02:00	0:26:00	0:33:00
Hazmat - Special Risk (HM-SR)	0:03:30	0:02:00	0:22:00	0:30:00	0:03:30	0:02:00	0:15:00	0:30:00
Water/Ice Rescue - Moderate Risk (WIR-MR)	0:07:00	0:02:30	0:16:00	0:24:30	0:07:00	0:03:00	0:22:00	0:29:00
Water/Ice Rescue - High Risk (WIR-HR)	0:07:00	0:02:30	0:16:00	0:30:00	0:07:00	0:03:00	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	0:03:00	0:22:00	0:34:45
Technical Rescue - Special Risk (TR-SR)	0:05:00	0:03:00	0:22:00	0:38:00	0:07:00	0:03:00	0:22:00	0:45:00
Aviation Rescue Firefighting - High Risk (ARF-HR)	0:05:00	0:02:00	0:21:00	0:30:00	0:05:00	0:02:00	0:26:00	0:35:00
Aviation Rescue Firefighting - Special Risk (ARF-SR)	0:03:30	0:02:00	0:22:00	0:30:00	0:03:30	0:02:00	0:15:00	0:35:00
Bomb Squad - Moderate Risk (BS-MR)	0:05:00	0:03:00	0:37:00	1:00:00	0:05:00	0:03:00	0:42:00	2:00:00
Bomb Squad - High Risk (BS-HR)	0:03:00	0:03:00	0:35:00	1:00:00	0:03:00	0:03:00	0:40:00	1:15:00
Bomb Squad - Special Risk (BS-SR)	0:02:00	0:03:00	0:55:00	1:00:00	0:02:00	0:02:00	1:00:00	1:10:00

PtoD = Phone to Dispatch

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