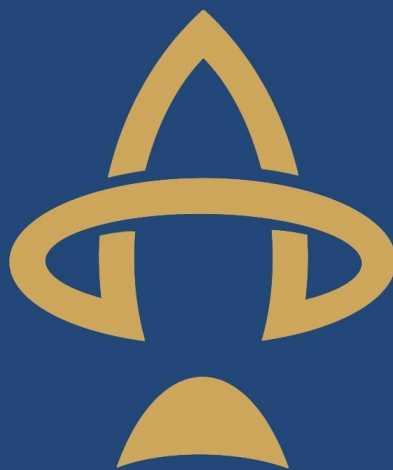




Rocket Mission Works



Standoff Weapon Planning Guide
Version 2.1 - November 2024

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1. Overview

This reference guide provides general employment ranges for standoff weapons within DCS. This reference guide should be used when planning for or building missions as these ranges represent ideal ranges for each weapon. A time of flight is also provided next to the employment range.

Altitudes and speeds for employment are doctrinal rather than concrete requirements. Missions may dictate deviations from doctrine on an individual basis. Speeds are noted in either true air speed (TAS) or Mach.

Ranges are based on aircraft-calculated maximum weapons range. Eight employment profiles were run with each weapon and the maximum range for each noted. The indicated drop altitudes represent altitude above mean sea level, so actual target altitude must also be accounted for.

Note: For time of flight, there is some variance. Single runs were used to record time of flight. Actual flight time in your mission may vary. For longer range weapons, this was generally noted to reach a deviation of ± 30 seconds.

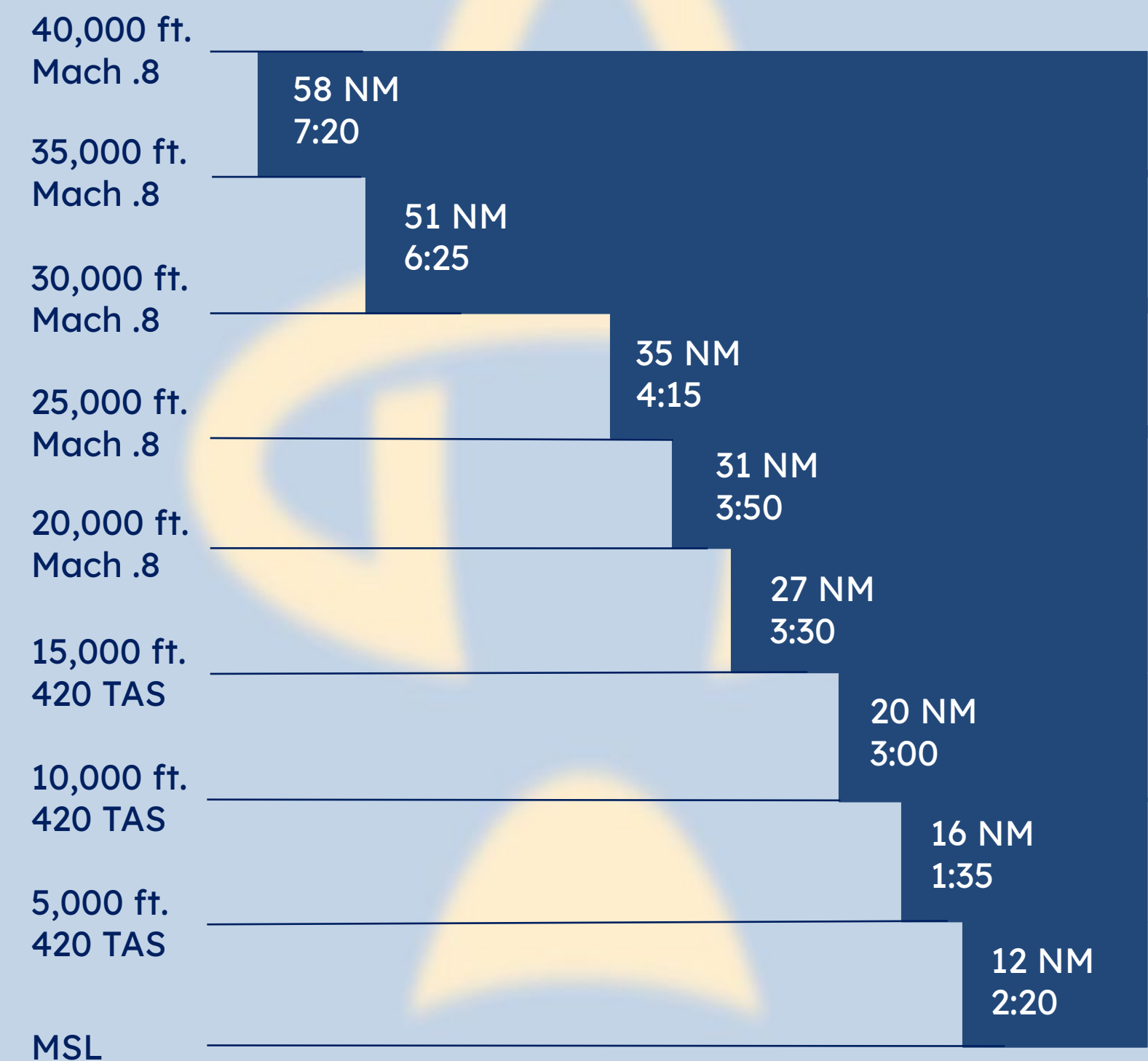
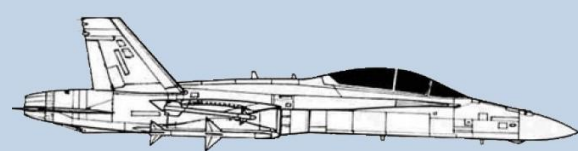
2. Range and Time Tables

Range by Launch Altitude and Speed								
Altitude:	5,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000
Speed:	420 TAS			Mach .8				
AGM-154	12	16	20	27	31	35	51	58
GBU-38	4	7	8	12	13	14	15	18
AGM-84E	47	50	52	55	57	59	61	64
AGM-84H	146	146	146	146	146	146	146	146
AGM-88C	38	43	49	52	56	59	61	63
Kh-58U	22	26	32	40	67	73	77	-
Kh-25MPU	13	16	18	18	20	21	22	-
LS-6-500	6	13	18	27	27	30	47	50
LS-6-250	5	11	16	21	26	31	34	40
GB-6	4	8	11	13	17	22	39	44
Altitudes shown in feet above MSL. Ranges shown in nautical miles (NM).								

Time of Flight by Launch Altitude and Speed								
Altitude:	5,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000
Speed:	420 TAS			Mach .8				
AGM-154	2:20	1:35	3:00	3:30	3:50	4:15	6:25	7:20
GBU-38	00:54	2:00	2:10	2:16	1:50	2:10	2:35	2:50
AGM-84E	5:55	5:55	6:05	6:10	6:20	6:20	6:50	6:09
AGM-84H	18:30	18:15	17:55	14:55	14:50	14:40	14:30	14:15
AGM-88C	3:00	3:00	3:00	3:00	3:00	3:00	3:00	3:00
Kh-58U	1:41	2:00	2:29	3:20	6:39	7:09	7:32	-
Kh-25MPU	1:00	1:16	1:17	1:18	1:20	1:19	1:19	-
LS-6-500	1:15	2:25	3:05	3:20	3:15	3:30	5:25	5:45
LS-6-250	0:45	1:36	2:21	2:54	3:13	3:44	3:56	4:38
GB-6	00:33	00:47	00:51	1:25	1:45	2:20	4:00	4:30
Altitudes shown in feet above MSL. Times shown in MM:SS. AGM-84H values are given for “Med” flight profiles.								

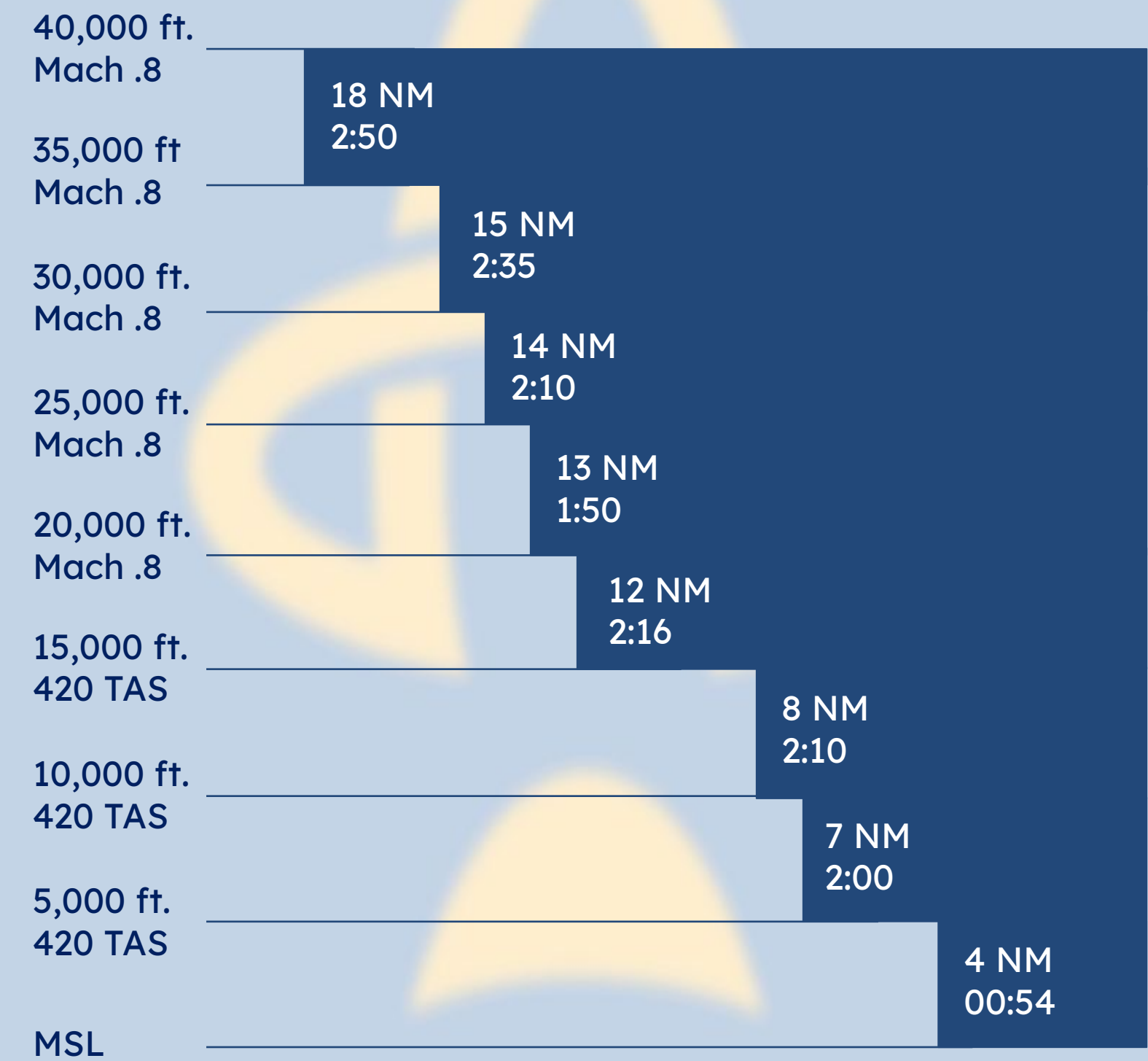
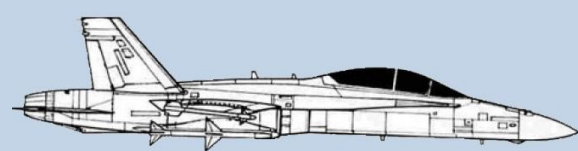
Appendix 1: U.S. Standoff Weapons

AGM-154 JSOW



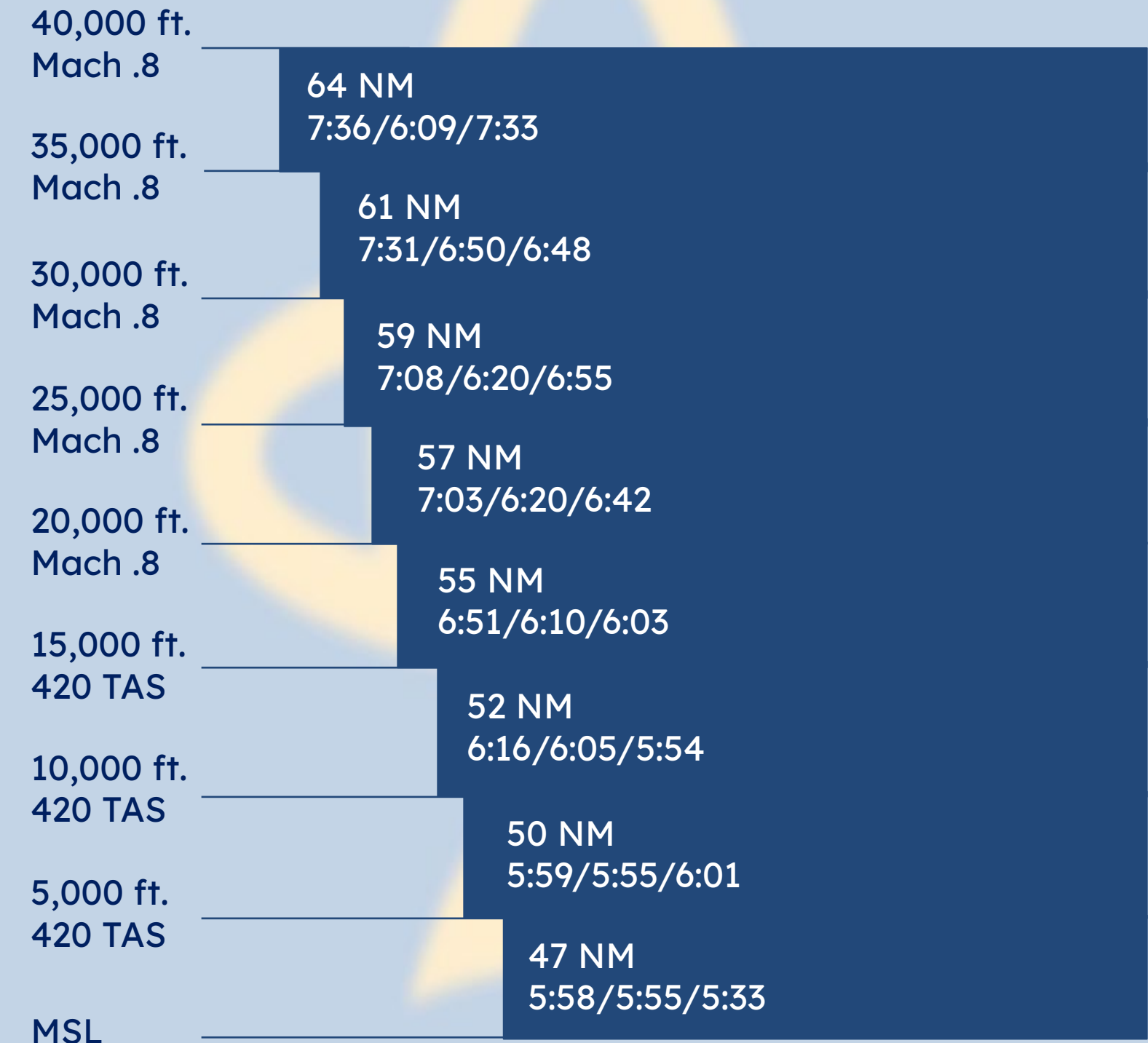
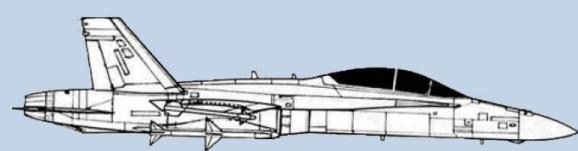
Appendix 1: U.S. Standoff Weapons

GBU-38 JDAM



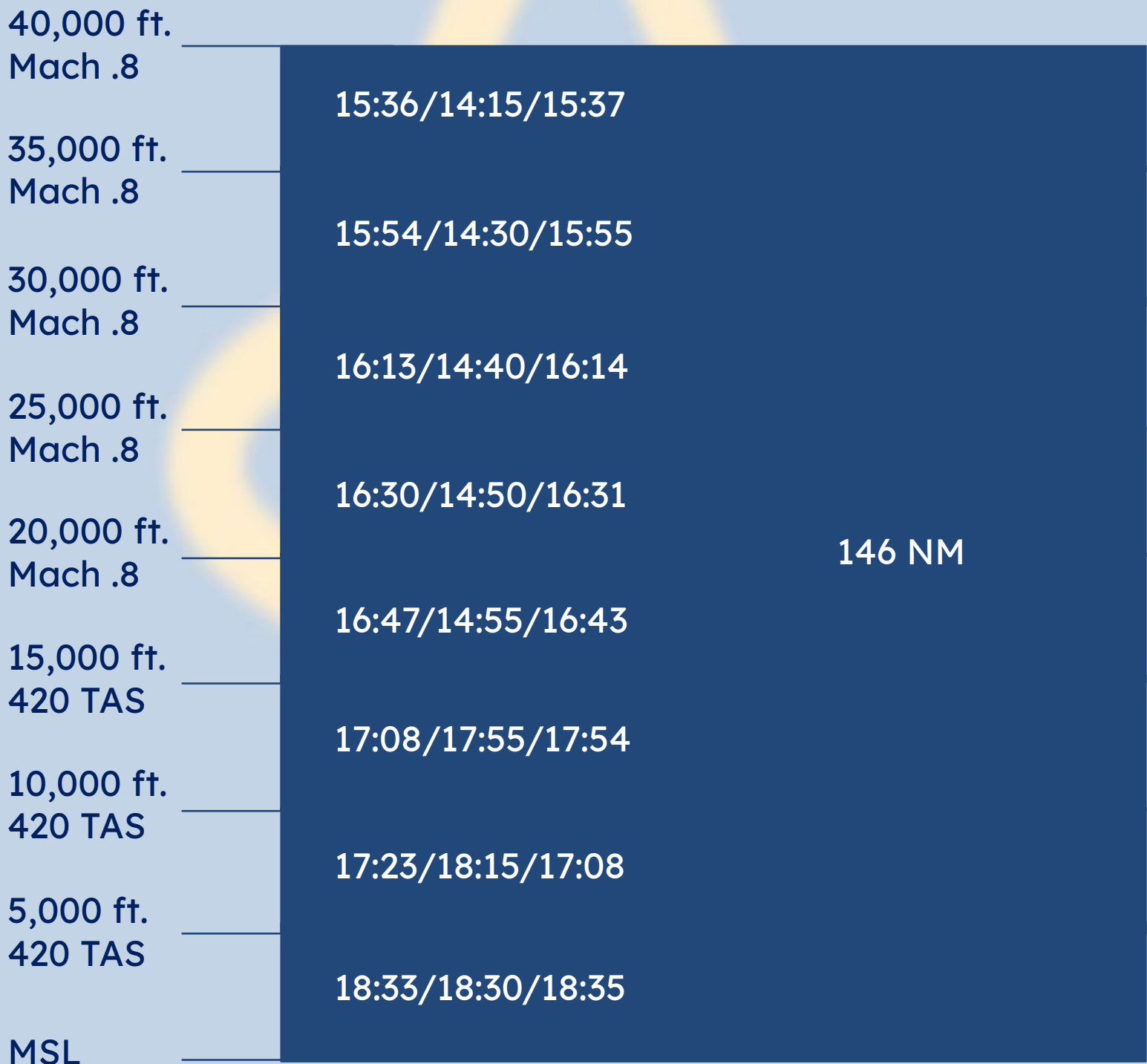
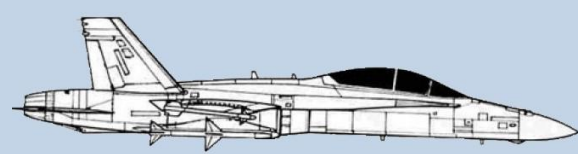
Appendix 1: U.S. Standoff Weapons

AGM-84E SLAM



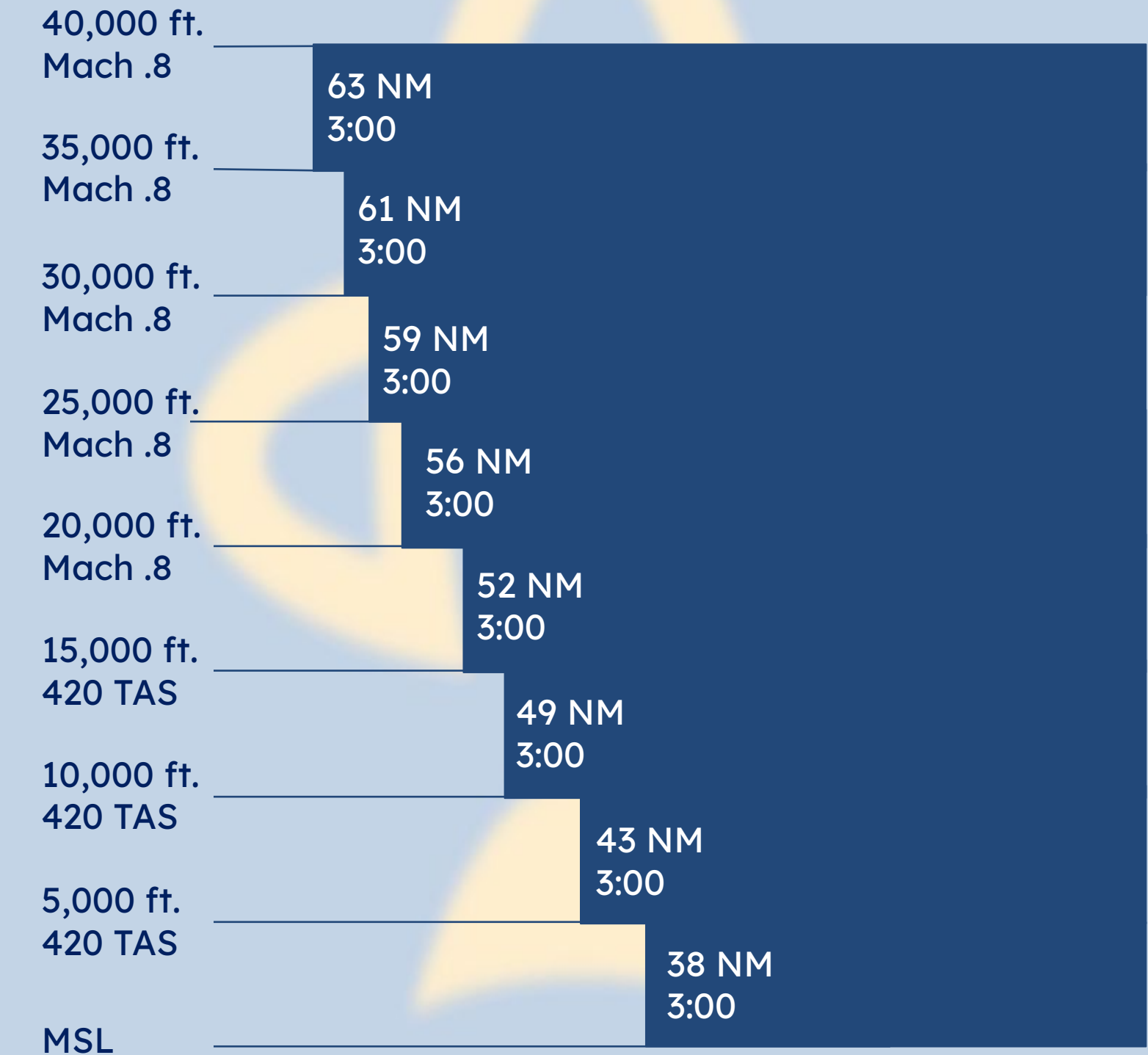
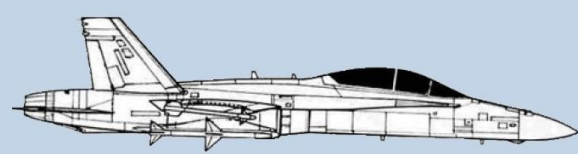
Appendix 1: U.S. Standoff Weapons

AGM-84H SLAM-ER



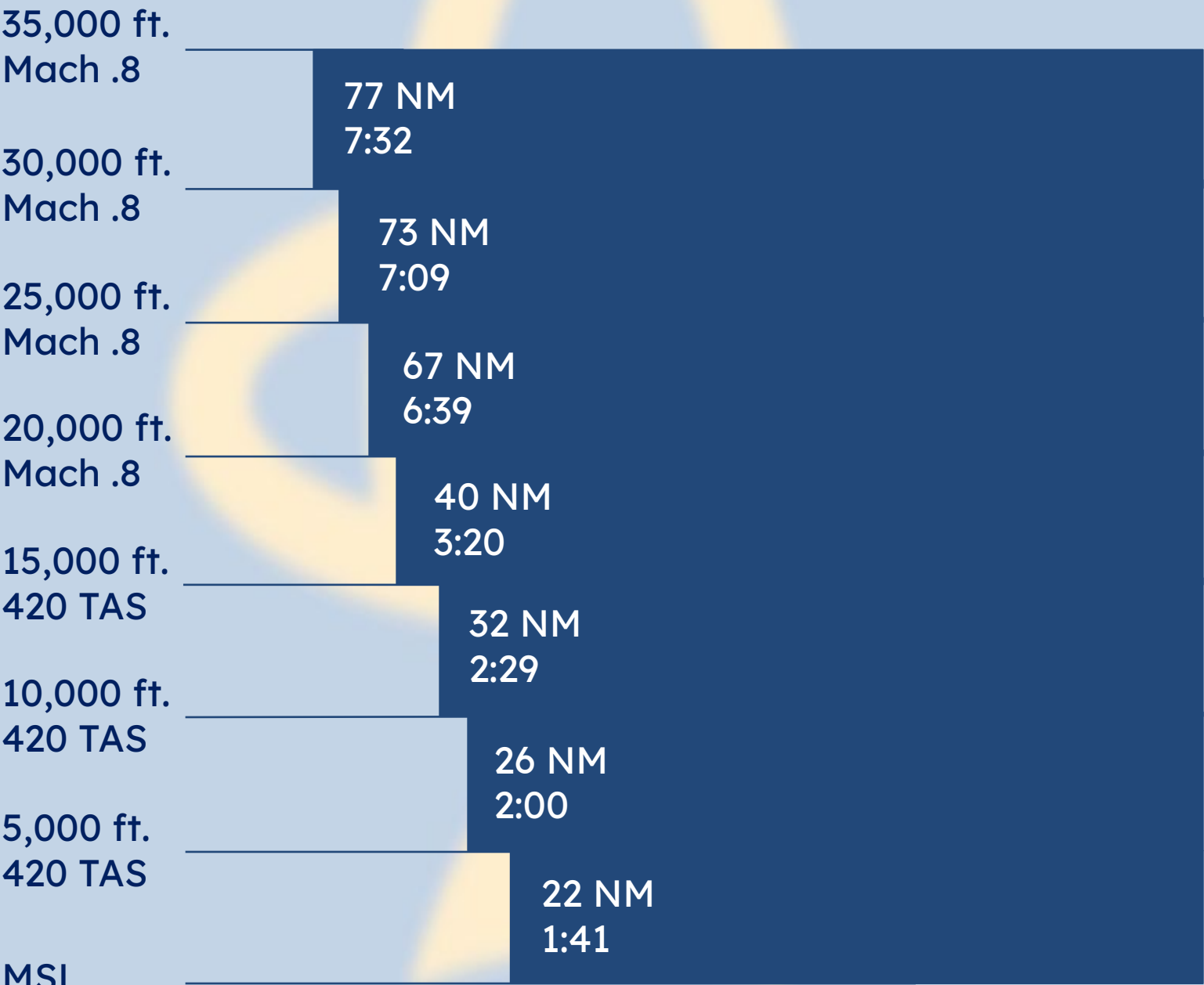
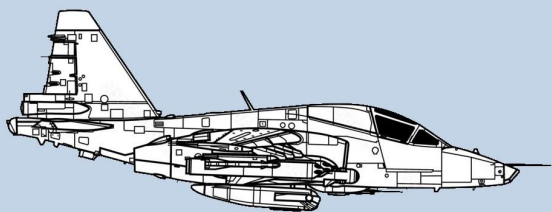
Appendix 1: U.S. Standoff Weapons

AGM-88C HARM



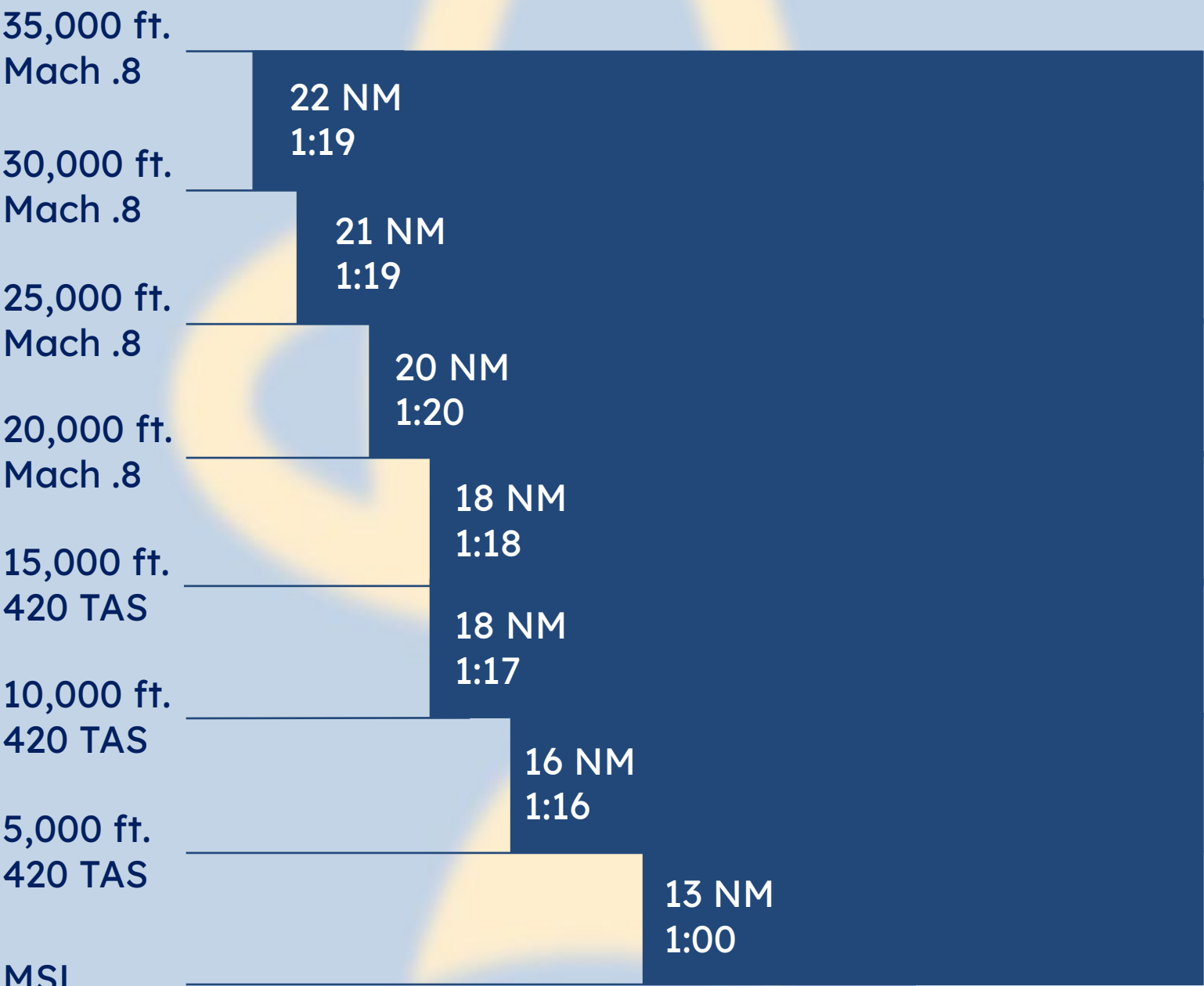
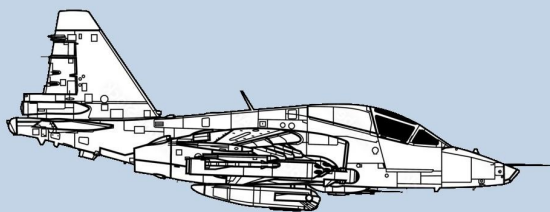
Appendix 2: Russian Standoff Weapons

Kh-58U



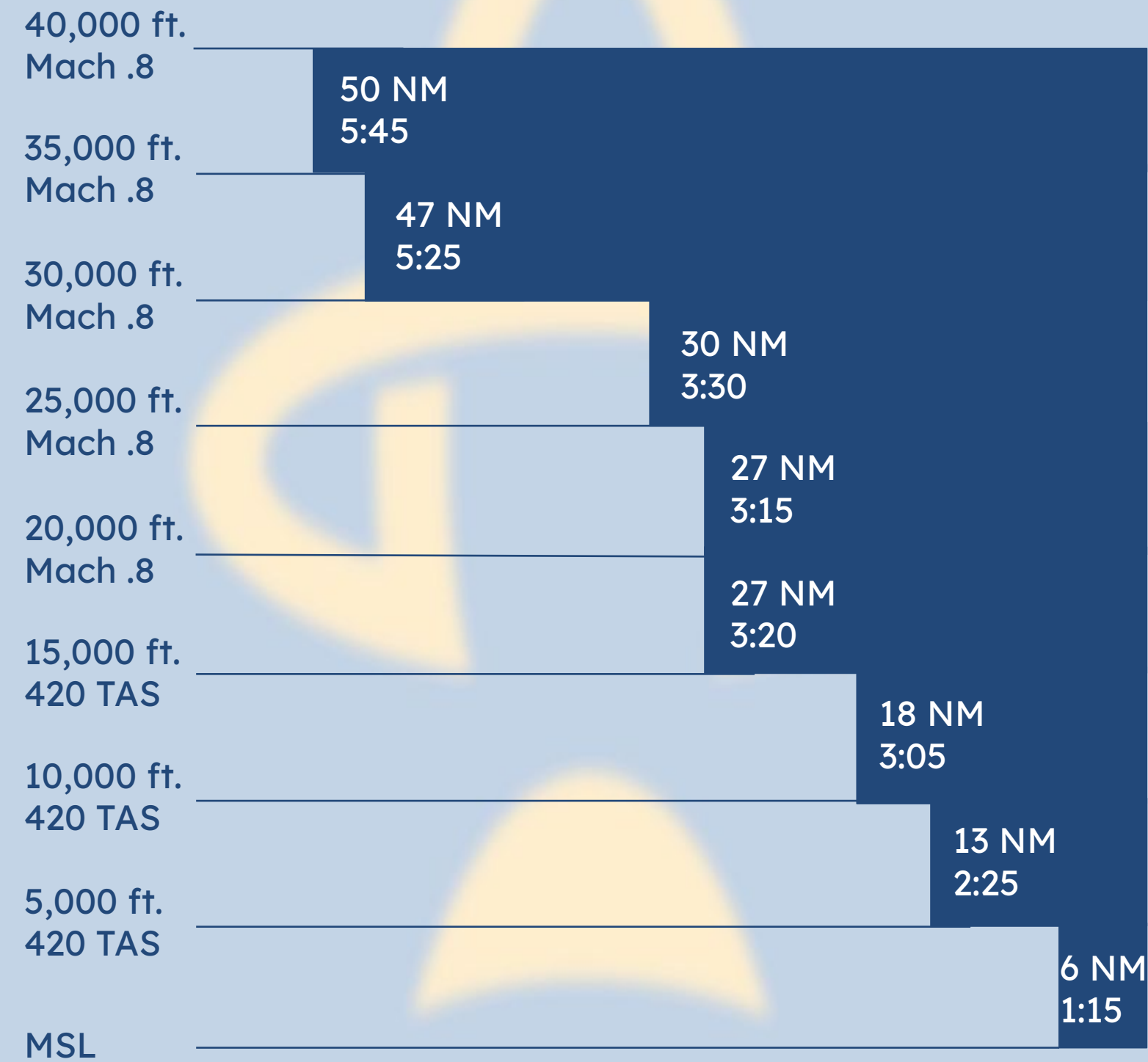
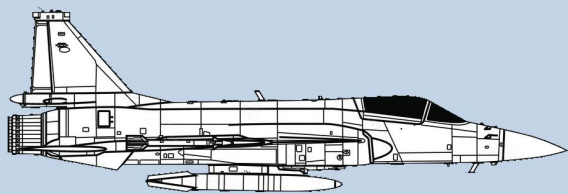
Appendix 2: Russian Standoff Weapons

Kh-25MPU



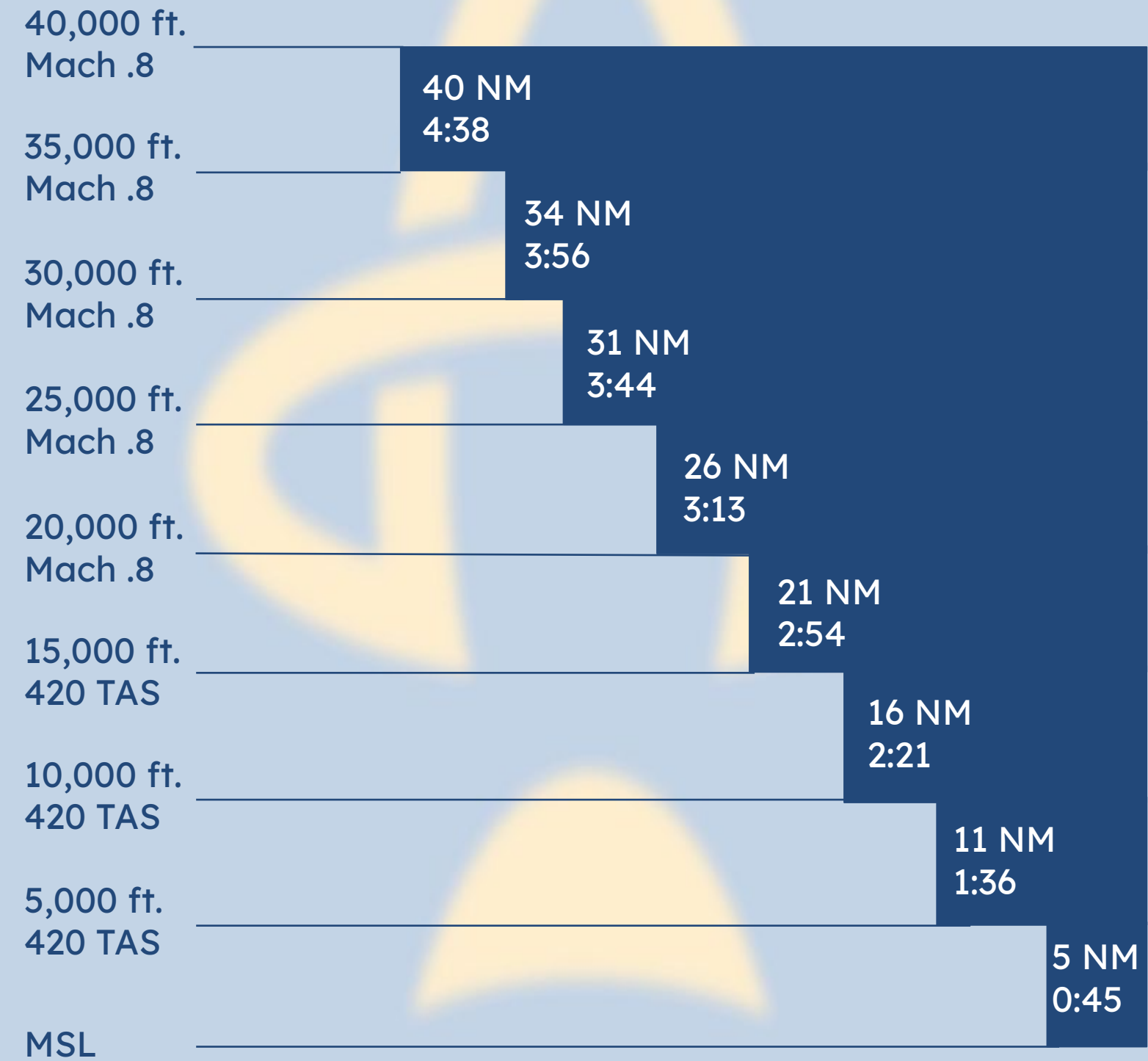
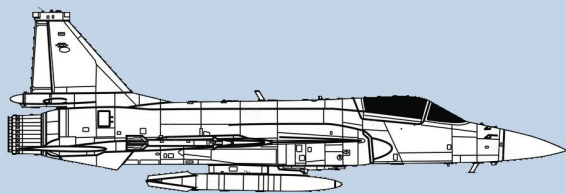
Appendix 3: Chinese Standoff Weapons

LS-6-500



Appendix 3: Chinese Standoff Weapons

LS-6-250



Appendix 3: Chinese Standoff Weapons

GB-6

