

## INTRODUCTION

This manual is provided for missile combat crews (MCC) at SM68 missile weapon system operational and training facilities. All information contained in this manual is based on the latest released engineering data and missile operation concepts. Deviation from the specified procedures shall not be made except for reasons of safety or when directed by proper authority.

The primary purpose of this manual is to support the related procedures contained in T.O. 21-SM68-CL-14-1, T.O. 21-SM68-CL-17-1, T.O. 21-SM68-CL-19-1, and T.O. 21-SM68-CL-21-1 with sufficient procedural and descriptive data to provide an overall concept of the missile weapon system operation.

Section I contains a general description of the over all weapon system including the launch complex, integral structures, and various subsystems.

Section II contains a brief coverage of the receipt through launch operation plan.

Section III contains the normal operating procedures of the missile combat crew including personnel briefing, training, crew functions and individual responsibilities. These normal procedures cover all requirements, exclusive of emergencies and malfunctions, for maintaining an alert condition, countdown, launch, post launch, and contingency actions.

Section IV contains a brief description of each of the accepted emergency procedures, including the action to be taken by the missile combat crew, to safe the weapon system when confronted with a hazardous situation.

Section V contains the procedures to be used by the missile combat crew to analyze and isolate malfunctions which may occur during a launch countdown.

Section VI contains the operating limitations that must be observed when running the equipment, whether for a training exercise or an actual EWO launch. Limitations include those of the individual subsystems, alert status, and environmental conditions.

Section VII contains a description of the responsibilities of each missile combat crew member as related to the operation of the missile launch complex. Information is categorized in accordance with the title of each member of the combat crew.

Operation and organizational maintenance procedures for the functional systems are covered in the dash one (-1) and dash two (-2) series of the 21-SM68 technical orders. Frequency and sequence of jobs not directly associated with missile launch operations are contained in T.O. 21-SM68-6.

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Time Compliance Technical Orders applicable to this Technical Order are as follows:

TCTO NUMBERDATE

21M-HGM25A-759	27 June 1963
21M-HGM25A-763	16 September 1963
21M-HGM25A-790	1 November 1962
21M-HGM25A-833	21 May 1963
21M-HGM25A-834	23 May 1963
21M-HGM25A-853	8 June 1963
21M-HGM25A-859	10 September 1963
31X3-10-11-613	16 January 1963
31X3-10-11-617	18 December 1962
31X3-10-11-621	16 January 1963
31X3-10-11-621A	1 February 1963
31X3-10-11-622	17 January 1963
31X3-10-11-625	15 October 1963
31X3-10-11-626	8 March 1963
31X3-10-11-627	29 August 1963
31X3-10-11-630	30 September 1963
31X3-10-12-543	31 May 1963
31X3-10-12-545	14 May 1963
31X3-10-12-545A	25 June 1963
31X3-10-17-546	26 February 1963
31X3-10-26-514	17 July 1963
31X3-10-27-511	18 October 1963
35M3-2-4-529	25 July 1963
31X7-2-11-512	21 June 1963
31X3-10-11-634	Not released