

Memorandum 6M-3291, Supplement 1

Page 1 of 3

Division 6 - Lincoln Laboratory
Massachusetts Institute of Technology
Lexington 73, Massachusetts

SUBJECT: SPECIFICATIONS FOR THE CENTRAL COMPUTER SYSTEM FOR THE AN/FSQ-7, SUPPLEMENT 1

To: A. P. Kromer

From: J. J. Carson

Date: 10 March 1955

Approved: S. H. Dodd
S. H. Dodd

Abstract: The specifications for the Central Computer System of the AN/FSQ-7 were defined by 6M-3291 as released by TIR #1-57. 6M-3292, released by the same TIR, indicated that additions to the drum system would be incorporated as a "Class A" change. The change has been accomplished by incorporating a new frame containing six physical drums and an associated MCD frame. This addition requires modifications to several frames of the central computer system as described below.

<u>Index:</u>	<u>Section</u>	<u>Subject</u>
	0.0	Introduction
	1.0	Changes
	2.0	Referenced Documents

0.0 INTRODUCTION

Lincoln Laboratory TIR #1-57 dated 4 February 1955 released specifications for the AN/FSQ-7 which were recommended for use in definitizing the first production contract with IBM. These specifications included Lincoln Laboratory Memorandum 6M-3291, Specifications for the Central Computer System for the AN/FSQ-7, and Lincoln Laboratory Memorandum 6M-3292, Specifications for the Drum System for the AN/FSQ-7 both dated 28 January 1955.

Paragraph 1.2 of 6M-3292 stated that increased auxiliary memory requirements might result in additions to the drum system to be incorporated as a "Class A" change. It has been agreed that a 25 foot frame containing six physical drums be added to the AN/FSQ-7. This addition requires the modifications to the central computer system which are described in this document.

1.0 CHANGES

The addition of a 25 foot frame containing six physical drums for auxiliary memory requires certain modifications be made to the central computer specifications. The documents noted below specify these changes.

1.1 D-5-2 dated 23 February, Changes in the Program Element for the Central Computer Caused by the Addition of the Auxiliary Memory Element (6 DR-134) as modified by concurrence letter dated 2 March 1955, Program Element Specifications Duplex Central, D-5-2.

1.2 IBM document dated 23 February 1955, Changes in the Arithmetic Element of the Production System Caused by the Addition of the Auxiliary Element (6 DR-132) which received concurrence as noted in a letter dated 2 March 1955, Arithmetic Element Specifications, Duplex Central, D-6-1.

1.3 IBM document D-19-1 dated 23 February 1955, Changes in the Selection and Input-Output Control Specifications for the Production System Caused by the Addition of the Auxiliary Memory Element (6 DR-133) as modified by concurrence letter dated 2 March 1955, Selection and Input-Output Control Specifications, Duplex Central, D-19-1.

2.0 REFERENCED DOCUMENTS

The following referenced documents should be added to the list of detailed specifications for the Central Computer System.

IBM DOCUMENTS

<u>IBM File No.</u>	<u>Document</u>	<u>Lincoln Laboratory Div. 6 Document Room No.</u>
D-19-1	<u>Changes in the Selection and Input-Output Control Specifications for the Production System Caused by the Addition of the Auxiliary Memory Element</u>	6 DR-133
D-6-1	<u>Changes in the Arithmetic Element of the Production System Caused by the Addition of the Auxiliary Memory Element</u>	6 DR-132
D-5-2	<u>Changes in the Program Element for the Central Computer for the Production System Caused by the Addition of the Auxiliary Memory Element</u>	6 DR-134

Memorandum 6M-3291, Supplement 1

Page 3

Lincoln Laboratory Documents

<u>Document</u>	<u>Lincoln Laboratory Div. 6 Document Room No.</u>
Concurrence letter dated 2 March 1955; Subject: <u>Selection and Input-Output Control Specifications, Duplex Central, D-19-1</u>	6 DR- 143
Concurrence letter dated 2 March 1955; Subject: <u>Program Element Specifications Duplex Central, D-5-2</u>	6 DR-140
Concurrence letter dated 2 March 1955; Subject: <u>Arithmetic Element Speci- fications, Duplex Central D-6-1</u>	6 DR-141

SIGNED:

J. J. Carson
J. J. Carson

JJC:ero