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LET REVISION APVD DRWN DATE

cmx systems A CBS/Memorex Company 635 Vaqueros Avenue Sunnyvale, California 94086			
TITLE SPECIFICATION FOR THE EDIT LIST MESSAGE FORMAT			
CODE IDENT NO.	SIZE A	DRAWING NO. 900 226	ISSUE
DO NOT SCALE THIS PRINT		SHEET	OF

1.0 SCOPE

- 1.1 This document defines the printed and machine-readable edit list content of the CMX 600 Editing System. The edit list contains data defining the entrance and exit points of successive splices, the splice characteristics, etc.
- 1.2 The machine-readable edit list output is on paper tape (standard) or magnetic tape (optional). The machine-readable edit list is intended to be used by the Assembler System to generate an assembled video tape from the source video tapes.

2.0 REFERENCES

- 2.1 This document is intended to be consistent with the requirements of Editing System Specification No. 900-093. If conflicts exist, Specification 900-093 has precedence.

3.0 PRINTED OUTPUT

- 3.1 The printed output of the Edit List appears as shown in Table 1. It consists of the following parts:
 - 3.1.1 Unformatted heading information
 - 3.1.2 The list of data.
- 3.2 The content of the data list is described in detail in Section 5.0

4.0 TAPE OUTPUT

- 4.1 The standard machine-readable output form of the Edit List is paper tape, punched by the Teletype in 7-bit ANSCII* format.
- 4.2 The tape has the following format:
 - 4.2.1 Blank leader
 - 4.2.2 Unformatted heading information
 - 4.2.3 The list of data, starting with SOM (01) code and ending with EOM (03) code.
 - 4.2.4 Blank trailer
- 4.3 It is seen that the paper tape output contains all of the information of the printed table, plus special non-printing codes SOM and EOM (start of message and end of message) which bracket the edit list data. The general heading data is retained on the tape for record purposes, however, and the tape can be checked by listing on a Teletype in LOCAL mode.

*American National Standard Code for Information Interchange

5.0 EDIT LIST FORMAT

5.1 Character codes expressed herein are in octal notation.

Legal Characters in data table of edit list:

All alphabetic (101-132)
All numeric (60-71)
Space (40), dash (55) and colon (72)
Carriage Return (15)
Line Feed (12)
Start of Message (01)
End of Message (03)
Null/Idle (00)

5.2 All Edit Lists start with SOM (01) and end with EOM (03).

5.3 Edit Lists are divided into data groups called "events" (lines on the printer output, Table 1). Events are separated by a Carriage Return followed by a Line Feed. The last event is followed by a Carriage Return and Line Feed.

5.4 Events are divided into data fields (columns on the printer output, Table 1). The number of fields is variable, with a minimum of five, and an initial maximum of eight, with allowance for expansion.

5.5 Data fields are separated by space characters. There is no space before the first field or after the last field. All fields are of fixed length, with leading zeroes not suppressed. Following are the specifications for each field:

5.6 Field 1 Reel number. Two numeric digits. Range 00 to 99. 00 is a special case signifying "Black".

5.7 Field 2 Switch mode. One alphabetic character. Three legal characters: B-Both; V-Video only; A-Audio only.

5.8 Field 3 Type of transition. One alphabetic character. Three legal characters; C-Cut; D-Dissolve; S-Special. Describes type of transition into event.

If field 3 is C, fields 4 and 5 are omitted.

5.9 Field 4 Transition duration. Three decimal digits. Range 001-999. Expresses duration of transition in frames.

If field 3 is D, field 5 is omitted.

5.10 Field 5 Special transition type. Three decimal digits. Range 000 to 999. Defines specifics of special effects transition. Repertoire of definitions to be fitted to user's requirements.

- 5.11 Field 6 Scene. Seven alphameric characters.
May be any combination of numerals and letters.
Possible format shown in example of Table I.
- 5.12 Field 7 Entrance time code. Four pair of digits, separated
by spaces or colons and followed by a space, expressing
hours, minutes, seconds, frames. Maximum value first
digit 2, third and fifth 5, seventh 2. Maximum value
of field 23 59 59 29.
- 5.13 Field 8 Exit Time Code. (Same as Field 7)

6.0 EVENT DURATION

- 6.1 The duration of each event is the value of the arithmetic difference between the exit time code and the entrance time code.
- 6.2 The total running time of the Edit List is the sum of the individual event durations.

7.0 EDIT POINTS

- 7.1 The point of edit for each event is at the vertical interval preceding the frame identified as the entrance time code (sec 5.12) and at the vertical interval preceding the frame identified as the exit time code (sec 5.13).

GUNSMOKE EPISODE NO 1062 ACT 2 11/19/70

01 B C	066BA01	09:51:17:06	09:52:03:27
03 A C	068AC04	03:12:43:17	03:13:07:09
01 B C	066BA01	09:54:16:21	09:55:24:06
03 B C	068AC04	03:13:17:02	03:13:31:24
01 A C	066BA01	09:57:19:14	09:57:52:06
04 B D 120	023DA02	04:16:27:00	04:16:52:17
01 B D 060	066BA01	09:44:11:21	09:44:29:03
03 B C	068AC04	03:15:19:07	03:15:41:09
00 B S 090 123 BLACK		00:00:00:00	00:00:10:00

TABLE I

SAMPLE SPLICES LIST