


Title	All Gen Change Sheet	TWG	Media	
Document #	CM_LTWG_02_20110602	Rev	1	

ALL GEN CHANGE SHEET

CM Licensee Information

Subject

Owner: Logic TWG

THE FOLLOWING TWG MEMBERS HAVE AGREED THESE CHANGES:

HP	John Hampton	IBM	Paul Seger	Quantum	Marc Feller
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Revision History

Owner: Paul Seger

Revision	Date	Description of Changes
1	1 June 2011	First Draft to change CM licensee information
	2 June 2011	Edits to first draft
	2 June 2011	Change Sheet Approval date

Approval


Owner: Technical Management Team

Name	Company	Date	Signature
Carl Hoerger	HP		
Ed Childers	IBM		
John Moore	Quantum		

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Change Details

Owner : LogicTWG

The CM licensee information is changed.

This change is to be applied to ECMA-319, U28, U316, U416, U516

This change is effective immediately for any new or supplemental logo submissions; it is effective 3 months after change sheet approval date for any cartridges that have previously passed logo compliance testing.


Existing inventory can be used as is.

D.2.6.1 Cartridge Manufacturer's Information


This Page shall contain 64 bytes.

Table D.11 - Cartridge Manufacturer's Information

Field	R/O	Offset	Bytes	Description
Page Id	RU	0	2	This field shall be set to (1001) indicating the Cartridge Manufacturer's Information Page.
Page Length	RU	2	2	This field shall be set to (0040) which indicates the length of this Page.
Cartridge Manufacturer	O	4	8	This field shall contain an alphanumeric string identifying the manufacturer of the cartridge (based on the Vendor Ids defined in annex I). This may be used as the cartridge brand at the discretion of the final seller of the cartridge.
Serial Number	O	12	10	This field shall contain an alphanumeric string. This field shall contain the serial number of the cartridge, and shall be assigned by the cartridge manufacturer.

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Field	R/O	Offset	Bytes	Description
Cartridge Type	RU	22	2	<p>This field shall indicate the type of tape that is contained within the Cartridge. It is constructed as 16 1-bit fields, where only specific bits are checked to verify compliance with this format.</p> <ul style="list-style-type: none"> – Byte 0, bit 7. Cleaning Cartridge. This bit shall be set to ONE if the cartridge contains tape that is used for cleaning purposes. This bit shall be set to ZERO if the cartridge does not contain tape that is used for cleaning purposes. – Byte 0, bit 6. This bit shall be set to ZERO. – Byte 0, bit 5. This bit shall be set to ZERO if the Media Type indicates that this cartridge contains Read/Write media. This bit shall be set to ONE if the Media Type that this cartridge contains WORM media. – Byte 0, bits 4 to 0. These bits shall be set to ZEROS. – Byte 1, bits 7 to 5. These bits shall be set to ZEROS. – Byte 1, bit 4. This bit shall be set to ONE. – Byte 1, bits 3 to 0. These bits shall be set to ZEROS.
Date of Manufacture	O	24	8	<p>This field shall contain an alphanumeric string identifying the date on which the cartridge LTO CM was initially programmed. The format of this string shall be YYYYMMDD. (YYYY is the year, MM is the month, and DD is the day of the month.)</p>
Tape Length	RU	32	2	<p>This field shall contain the nominal length of the tape in the cartridge (in units of 0,25 m). The values used for the different cartridge types shall be</p> <p>Full Reel: 3 384</p>
Tape Thickness	RU	34	2	<p>This field shall contain the nominal thickness of the tape, in units of 1/1 024 µm. The value used for this format shall be 6 554.</p>

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Field	R/O	Offset	Bytes	Description
Empty Reel Inertia	RU	36	2	This field shall contain the nominal empty reel inertia for the cartridge, in units of $1/256 \times 10^6$ Kg-m ² . The value used for this format shall be 7 270.
Hub Radius	RU	38	2	This field shall contain the nominal radius of the hub, in units of 1/1 024 mm. The value used for this format shall be 22 528.
Full Reel Pack Radius	RU	40	2	This field shall be set to the nominal radius of the pack in units of 1/1 024 mm. Values for the tape types shall be Full Reel: 48 111
Reserved	RU	42	2	The content of this field is not defined in this LTO Document and shall be ignored in interchange.
License Code Media Code	RU	44	4	This field is to be used to contain an alphanumeric string that represents a Media Code . The media code indicates the company that has coated the media . The format of this information is not defined by this LTO Document and is a matter for agreement between interchange parties.
Nominal Optimum Recording Current	RU	48	1	Optimum Recording Current as a percentage of the Reference Recording Current. This field shall be set to a value within the range defined in 10.3. If a drive detects that this value is outside the range specified in 10.3, then the drive shall not write to the cartridge.
Cartridge Manufacturer's Use	O	49	11	The content of this field is not defined in this LTO Document and shall be ignored in interchange.
CRC	RU	60	4	This field shall contain the CRC generated over bytes 0 to 59 of the Cartridge Manufacturer information. See 13.2 for details of the CRC algorithm.

D.2.6.2 Media Manufacturer's Information

This Page shall contain 64 bytes.


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Table D.12 - Media Manufacturer's Information

Field	R/O	Offset	Bytes	Description
Page Id	RU	0	2	This field shall be set to (1002) indicating the Media Manufacturer's Information Page.
Page Length	RU	2	2	This field shall be set to (0040) which indicates the length of this Page.
Servowriter Manufacturer	RU	4	44	This field shall be set to the alphanumeric string located in the first 44 characters of the Manufacturer's Word, encoded in the Servo track, see 11.3.3; the manufacturer is defined as the company performing the servowriting.
Servowriter Identification and Checksum	RU	48	4	This field shall be set to the packed symbol values of the last four symbol pairs of the Manufacturer's Word, encoded in the Servo track, see 11.3.3. Each byte shall contain the value $A0*16 + A1$, where A0 is the first symbol, and A1 is the second symbol. For example, if the modulo 13 sum of the first 95 symbols is 9, then these four bytes would contain the values: (37) (37) (37) (B9).
License Code	RU	52	4	This field is to be used to contain an alphanumeric string that represents the License Code of the LTO licensee responsible for compliance to LTO specification and payment of the royalty. The format of this information is not defined by this LTO Document and is a matter for agreement between interchange parties.
Reserved	RU	56	4	The content of this field is not defined in this LTO Document and shall be ignored in interchange.
CRC	RU	60	4	This field shall contain the CRC generated over bytes 0 to 59 of the Media Manufacturer information. See 13.2 for details of the CRC algorithm.