## REGISTRY OF DATA ALGORITHM IDENTIFIERS FOR 1/4-INCH CARTRIDGE TAPE DRIVES

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### 1.0 OVERVIEW

This document serves as a registry of data algorithm identifiers for quarter-inch cartridge tape formats. The purpose of data algorithm identifiers is to identify data compression and/or data encryption algorithms so that data interchange can be facilitated. Data algorithms are a third layer where unrecorded media is the first layer and format is the second layer. The registry shall be maintained by the QIC Facilitator.

### 2.0 REQUIREMENTS

Data algorithm identifiers shall be assigned to QIC development standards for such algorithms.

When a data algorithm development standard is approved, the QIC Facilitator shall assign an available identifier. An identifier is considered not available if it is currently assigned. Should no identifiers be available, the QIC technical committee shall review current assignments of identifiers for possible re-assignment, and, if none are found, continue the registry as an extension to the reserved identifier.

### 3.0 DEFINITIONS

Algorithm -a technique used to transform data from one form to another and back to the original form.

Third layer-part of the overall data recording model where the first layer is the unrecorded media, the second layer is the recording format, and the third layer is any algorithm used to modify the data to be recorded prior to formatting.

Identifier-a unique 6-bit code as defined in QIC-121 and assigned to each algorithm to distinguish it from all the other algorithms. This code is placed in the predefined area within the format to allow the hardware to determine which algorithm was used to write the data on the media.

### 4.0 REGISTRY

The register shall contain the following data: name of data algorithm development standard, date adopted, identifier assigned.

## REGISTRY OF DATA ALGORITHM IDENTIFIERS FOR QUARTER-INCH CARTRIDGE TAPE DRIVES



## REGISTRY OF DATA ALGORITHM IDENTIFIERS FOR QUARTER-INCH CARTRIDGE TAPE DRIVES

| DATA ALGORITHM DEVELOPMENT STANDARD | ADOPTED | IDENTIFIER |
| :---: | :---: | :---: |
|  |  | 010111 |
|  |  | 011000 |
|  |  | 011001 |
|  |  | 011010 |
|  |  | 011011 |
|  |  | 011100 |
|  |  | 011101 |
|  |  | 011110 |
|  |  | 011111 |
|  |  | 100000 |
|  |  | 100001 |
|  |  | 100010 |
|  |  | 100011 |
|  |  | 100100 |
|  |  | 100101 |
|  |  | 100110 |
|  |  | 100111 |
|  |  | 101000 |
|  |  | 101001 |
|  |  | 101010 |
|  |  | 101011 |
|  |  | 101100 |

## REGISTRY OF DATA ALGORITHM IDENTIFIERS FOR QUARTER-INCH CARTRIDGE TAPE DRIVES

| DATA ALGORITHM DEVELOPMENT STANDARD | ADOPTED | IDENTIFIER |
| :---: | :---: | :---: |
|  |  | 101101 |
|  |  | 101110 |
|  |  | 101111 |
|  |  | 110000 |
|  |  | 110001 |
|  |  | 110010 |
|  |  | 110011 |
|  |  | 110100 |
|  |  | 110101 |
|  |  | 110110 |
|  |  | 110111 |
|  |  | 111000 |
|  |  | 111001 |
|  |  | 111010 |
|  |  | 111011 |
|  |  | 111100 |
|  |  | 111101 |
|  |  | 111110 |
| VENDOR UNIQUE |  | 111111 |

