

infovation

Periodic newsletter letting Ovation Data Services, Inc. customers know what is new or passing in the world of digital media and technologies.

system backup and archive applications, from entry-level departmental servers to enterprise-class automated tape library systems.



OVATION NOW SUPPORTS

New media and technology that is now supported by Ovation

LTO

Linear Tape Open (LTO) The Ultrium format is the high-capacity, single-reel implementation of LTO Technology. It is ideally suited for backup, restore and archive applications and provides excellent performance and reliability in both stand-alone and automated environments.

The Ultrium format is the preferred



format when capacity rather than fast access is the key storage consideration. An Ultrium format Generation 1 cartridge has a capacity of up to 200 GB (2:1 compression) and up to 100 GB native, while the Ultrium format Generation 2 cartridge has an increased capacity of up to 400 GB (2:1 compression) and up to 200 GB native.

SDLT

Super DLTape Technology is the next generation platform for DLTtape products. It represents the most comprehensive data protection solution for mid-range UNIX and NT

The SDLT 320 is backward-read and -write compatible with the



SDLT 220, and backward-read compatible with the DLT 8000, DLT 7000, DLT 4000, DLT VS80, and DLT1 using DLTtape IV media. The SDLT 320 offers 160 GB native and

320GB compressed capacity, with 16 MB/sec native and 32 MB/sec compressed transfer rate. The SDLT 320 continues to use Super-DLTtape I media.

DVD-Ram

DVD-RAM begins a new era in rewritable 5-1/4" optical storage. High data capacity and extreme reliability, combined with an incredibly low cost per megabyte, delivers new dimensions in storage right to your desktop.

With capacities of 2.6 & 4.7 GB



(single sided) and 5.2 & 9.4 GB (double sided). Ram drive will read DVD-Ram, DVD-R, DVD-Rom, CD-Rom, CD-R, CD-RW.

LIFESPAN RATES

Lifespan is the age from the introduction of the device/media until the last major manufacture discontinues manufacturing and becomes obsolete.

Of the technologies introduced during the following decades, the Average LifeSpan is shown.

| Decade | Device | Media |
|---------|---------|---------|
| 1960's | 23 yrs | 30 yrs |
| 1970's | 28 yrs | 26 yrs |
| 1980's* | 8.5 yrs | 15 yrs |
| 1990's* | 4.0 yrs | 6.5 yrs |

*Of discontinued technology only.

The Number of technologies introduced during the following decades and the current Availability.

| Decade | Device / Media | |
|--------|----------------|-----------|
| | Technology | Available |
| 1960's | 6 | 0 / 0 |
| 1970's | 7 | 0 / 0 |
| 1980's | 30 | 2 / 11 |
| 1990's | 95 | 27 / 66 |
| 2000's | 28 | 24 / 26 |

OBSOLESCE

Is your information on the verge of being OBSOLETE? Or is it ALL READY THERE????!!

The technology that information is being stored on is rapidly becoming obsolete in just a few years than in the past. Of the 33 primary seismic recording technologies only 5 are currently available today.

Media technology that was introduced in the Sixties and Seventies had a LifeSpan of 25-30 years and in one cases 49 years.

Of the 110+ technology devices introduced prior to 1997, only FIVE (3-1/2" Floppy Disk, CD-R, ZIP100, DDS-2 and 3590B) are still available.

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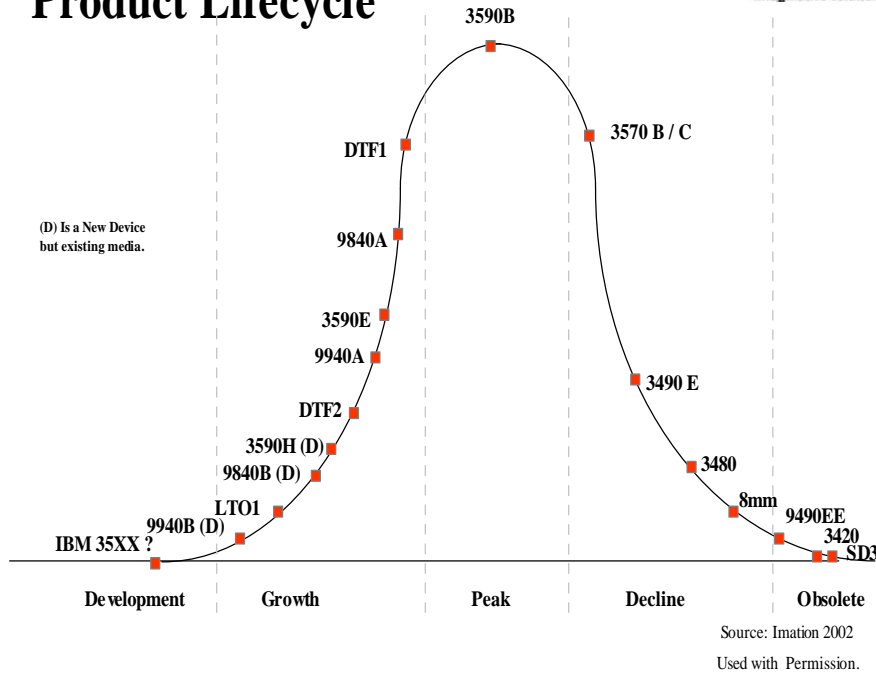


Enterprise Drive / Tape

Product Lifecycle



imaginative solutions.



HERE TODAY, GONE TOMORROW

OBSOLETE (No Longer Available)

A sample list of Media or Devices and when they were Discontinued

MEDIA Year Years in Production

| | | |
|--------------------------------------|---------|----|
| DLT III (2000) (ComPacTap III) Cart. | 4/2003 | 11 |
| DDS-60m 4mm Cassette | 4/2003 | 15 |
| DC600a 1/4" Cartridge QIC | 4/2003 | 27 |
| Travan 1 & 2 1/4" Cartridge Mini-QIC | 4/2003 | 9 |
| 3490e 1368"/1000MB 1/2" Cartridge | 12/2002 | 8 |
| Redwood SD-3 1/2" Cartridge | 2002 | 8 |
| CD-DD (Double Density 1.3GB) Disc | 2002 | 2 |
| 1/2" 9-Track Reel | 4/2001 | 37 |
| 5-1/4" Floppy Disk | 2001 | 22 |
| CD-R 650MB Disc | 2001 | 11 |
| HIFD-200 200MB Floppy Disk | 2001 | 1 |

DEVICE/DRIVES Year End-of-Technology*

| | | |
|-----------------------------------|------|-----|
| Sony CD-DD (Double Density 1.3GB) | 2002 | Yes |
| Qualstar 1/2" 9-Track | 2002 | Yes |
| Quantum DLT7000 | 2002 | No |
| Quantum DLT4000 | 2002 | No |
| Exabyte Eliant 8mm | 2002 | Yes |
| Magneto-Optical 5.2GB | 2002 | No |
| DVD-Ram 5.2GB | 2002 | No |
| STK Redwood SD-3 | 2001 | Yes |
| Fujitsu 3490e | 2001 | Yes |
| Travan QIC series 1 thru 5 | 2001 | Yes |
| Iomega JAZ 2GB Disc | 2001 | Yes |

* End-of-Technology means that there is currently no device manufactured that can read media created with this technology.

OVATIONS WATCH LIST

COMING ...

Media and Devices that may be introduced in the very near future

- LTO2 - 1/2" Cartridge (200GB)
- AIT-4 - 8mm Cassette (200GB)
- S-AIT - 1/2" Cartridge (500GB)

... GOING

Media and Devices that may be discontinued in the very near future

Current supplies may be limited for the following media:

- 3480 - 1/2" Cartridge
- DC6150, DC6250, DC6525 - 1/4" Cartridge QIC
- Travan series 3 & 4 - 1/4" Cartridge Mini-QIC



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