

# VERITAS Input on SSC-3 Features

Roger Cummings

(with significant help from Ray Gilson)

VERITAS Software

# SSC-3 Areas

- Mandatory Commands
- Density Support
- Attributes
- Tape Alert
- Density Determination
- Misc
- FYI Info on VRTS requirements

# Mandatory Commands

- All mandatory in SSC-2 plus:
  - Read Attribute
  - Write Attribute

# Density Support

- Report Density Command
  - Must include all density codes supported in Inquiry
    - Including Secondary codes
  - Would like descriptor list to be ordered from lowest to highest capacity
  - Would like Assigning Organization | Density Name duple to be world-wide unique
    - Requirement to use SCSI vendor ID??
    - Same format having multiple names adds complexity
    - Assigning Organization of "UNKNOWN" is unacceptable
    - Misspelling ID is unacceptable

# Attributes

- Make following mandatory (i.e. provide valid data with Read Attribute) for WORM & new devices
  - 0400h Medium Manufacturer
  - 0401h Medium Serial Number
  - 0406h Medium Manufacture Date
  - 0408h Medium Type
- Make following mandatory (i.e. allow to be written with Write Attribute):
  - 0800h thru 0808h
- New attribute on how long recorded (for inventory)

# Tape Alert

- Provide either:
  - Specific “directed clear” protocol
    - Allow bits to be cleared on a bit-by-bit basis
  - “Sticky” bits that record any Tape Alert indications since media load
    - New Read Attribute type?
    - Could have a “previous load” attribute as well?
- N.B. Tape Alert can be accessed by log sense, which works even through reservations

# Density Determination

- Method to read actual density code media written at, even if drive cannot read it
- Better differentiation between
  - Density codes support by currently loaded media
  - Density codes supported by the driver (with suitable media)
- Read serial number without loading media

# Misc

- Are we going to redefine Mode Sense as NOT generating a Reservation Conflict?



# FYI Info on VRTS requirements

- Our backup products will require support for:
  - Reserve/Release with exceptions to SPC-2 Reserve and Release behavior in 5.6.2 of SPC-3 rev 17
  - OIR bit able to be set to 1 in Device Configuration Page
    - Would like bit able to be saved as well
  - SPACE (6) by logical blocks (forwards/backwards), filemarks (forwards/backwards), and eom