ASTC Technology Roadmap

Areal density (Tb/in^2) vs Year

PMR

PMR$^+$

HAMR$^+$

BPMR$^+$

HDMR

CAGR=30%

PMR$^+$ = PMR with Two Dimensional Magnetic Recording (TDMR) and/or Shingled Magnetic Recording (SMR)

PMR = Perpendicular Magnetic Recording

HAMR$^+$ = Heat Assisted Magnetic Recording with TDMR and/or SMR

HDMR = Heated-Dot Magnetic Recording (BPMR+HAMR$^+$)

BPMR$^+$ = Bit Patterned Magnetic Recording (BPMR) with SMR and TDMR

ASTC
ADVANCED STORAGE TECHNOLOGY CONSORTIUM