



C E R T A N C E

**DAT – A GLOWING PAST AND  
EVEN BRIGHTER FUTURE**

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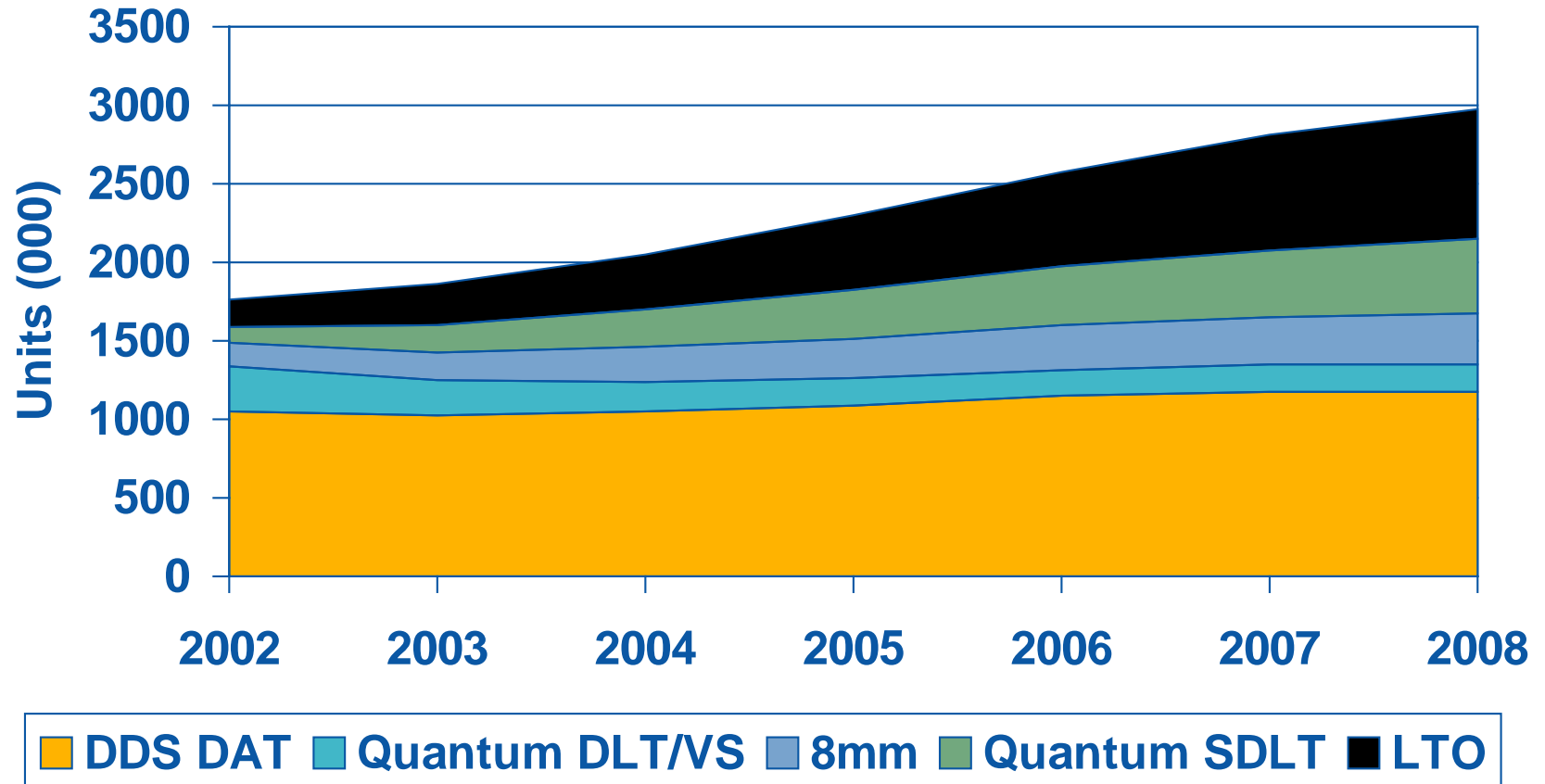
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**THIC Inc.**

The Premier Advanced Recording Technology Forum

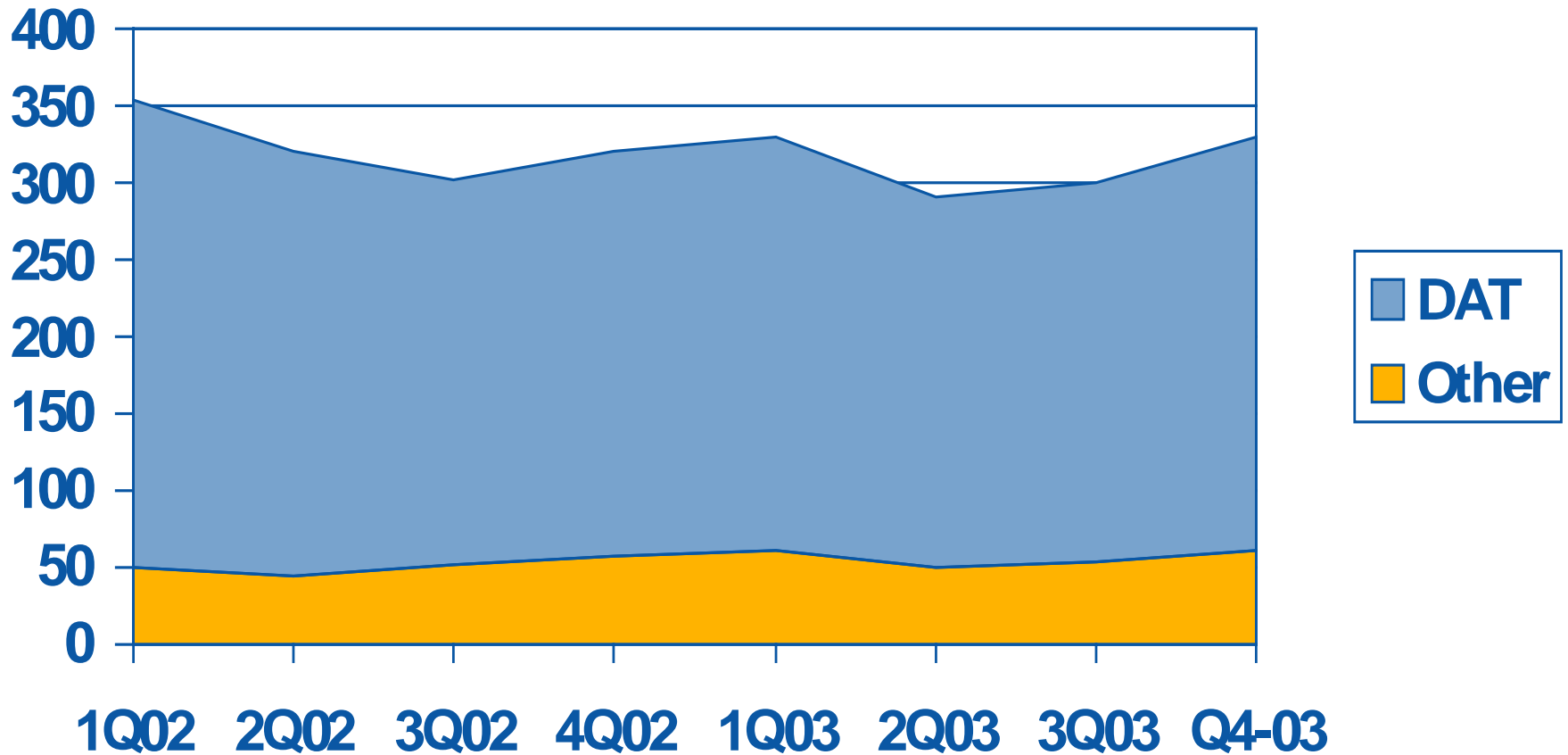


# TAPE BACKUP MARKET OVERVIEW



*Freeman , Certance 2003*

# "LOW END & SMB" TAPE BACKUP MARKET OVERVIEW



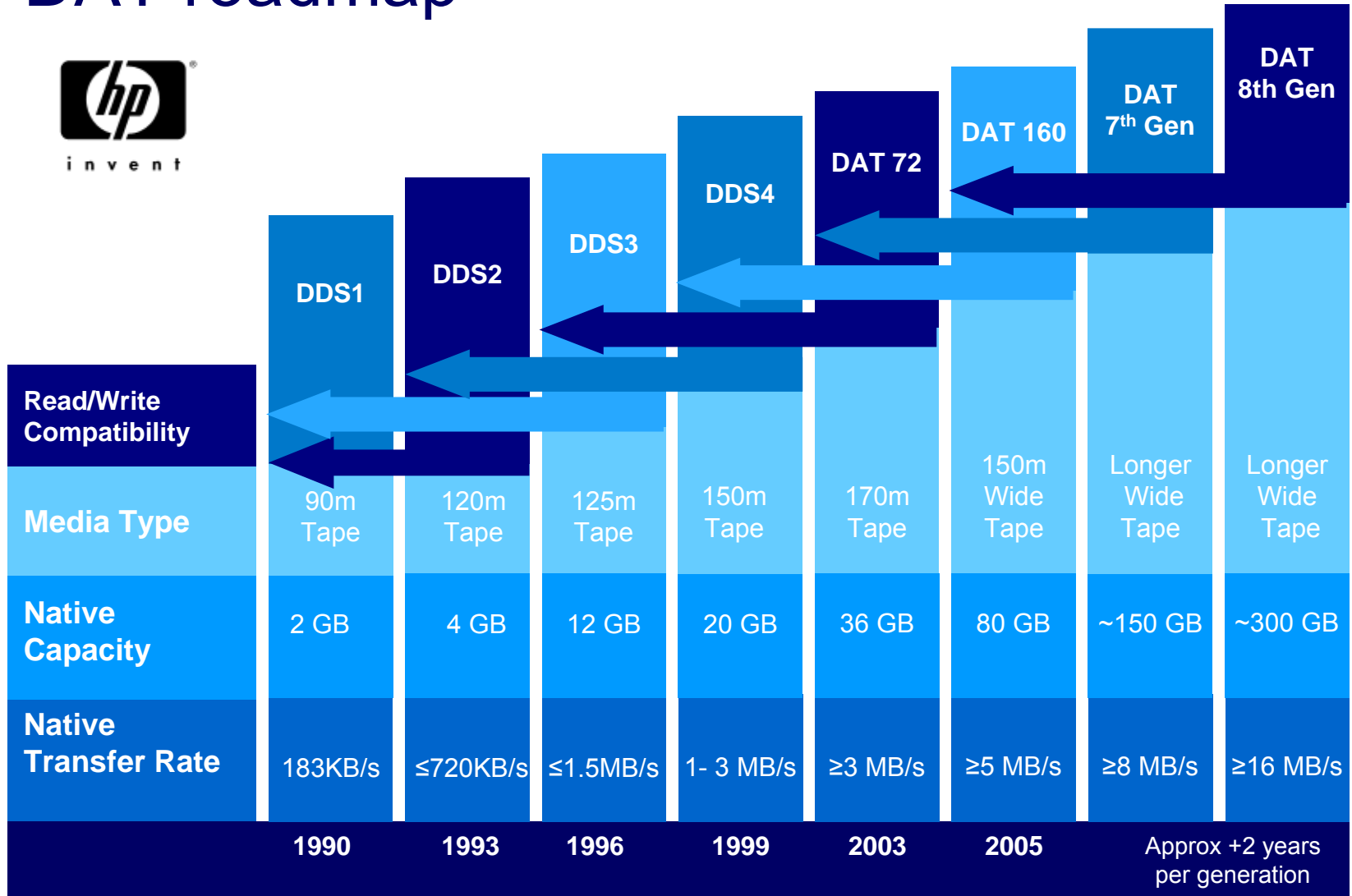
IDC 2003

## DAT TECHNOLOGY OVERVIEW

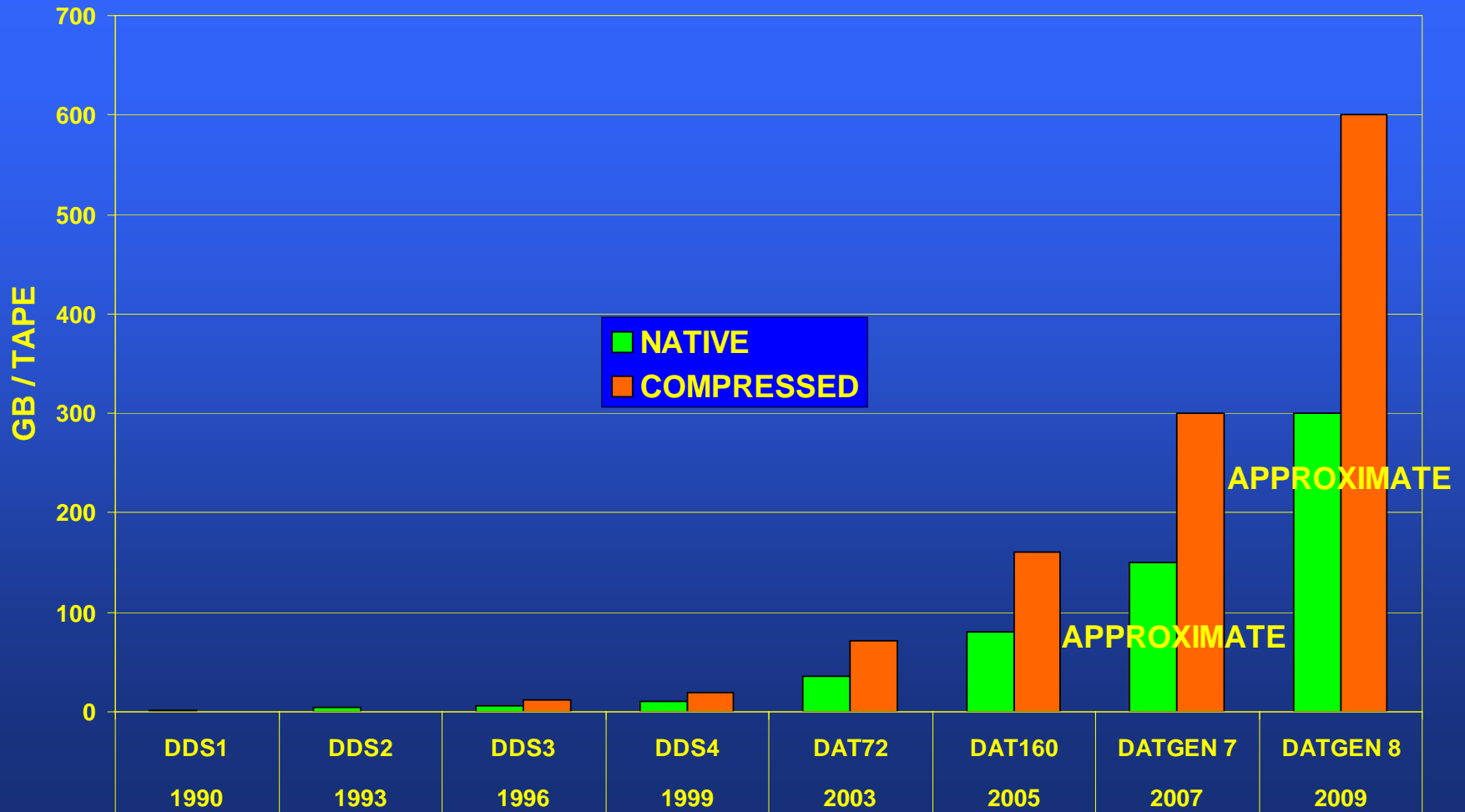
- 3.5" FORM FACTOR
- 5.25" WITH RAILS
- 5.25" MULTI CASSETTE LOADERS
- 1U & 2 U MULTI CASSETTE LOADERS
- DAT CASSETTE = 73mm X 54 mm FOOTPRINT
- DAT TAPE WIDTH
  - DAT Gen 1 to DAT Gen 5 = 3.81 mm
  - DAT Gen 6 to DAT Gen 9 = 'wider'
- HELICAL SCAN TECHNOLOGY
- ALTERNATE AZIMUTH, TRACK TRIM RECORDING
- READ AFTER WRITE FOR DATA ASSURANCE
- 3 LEVEL REED-SOLOMON ECC
- 8-10 "DC FREE" DATA ENCODING
- GREATER THAN 2000 PASS MEDIA LIFE
- BACKWARD WRITE AND READ COMPATIBILITY



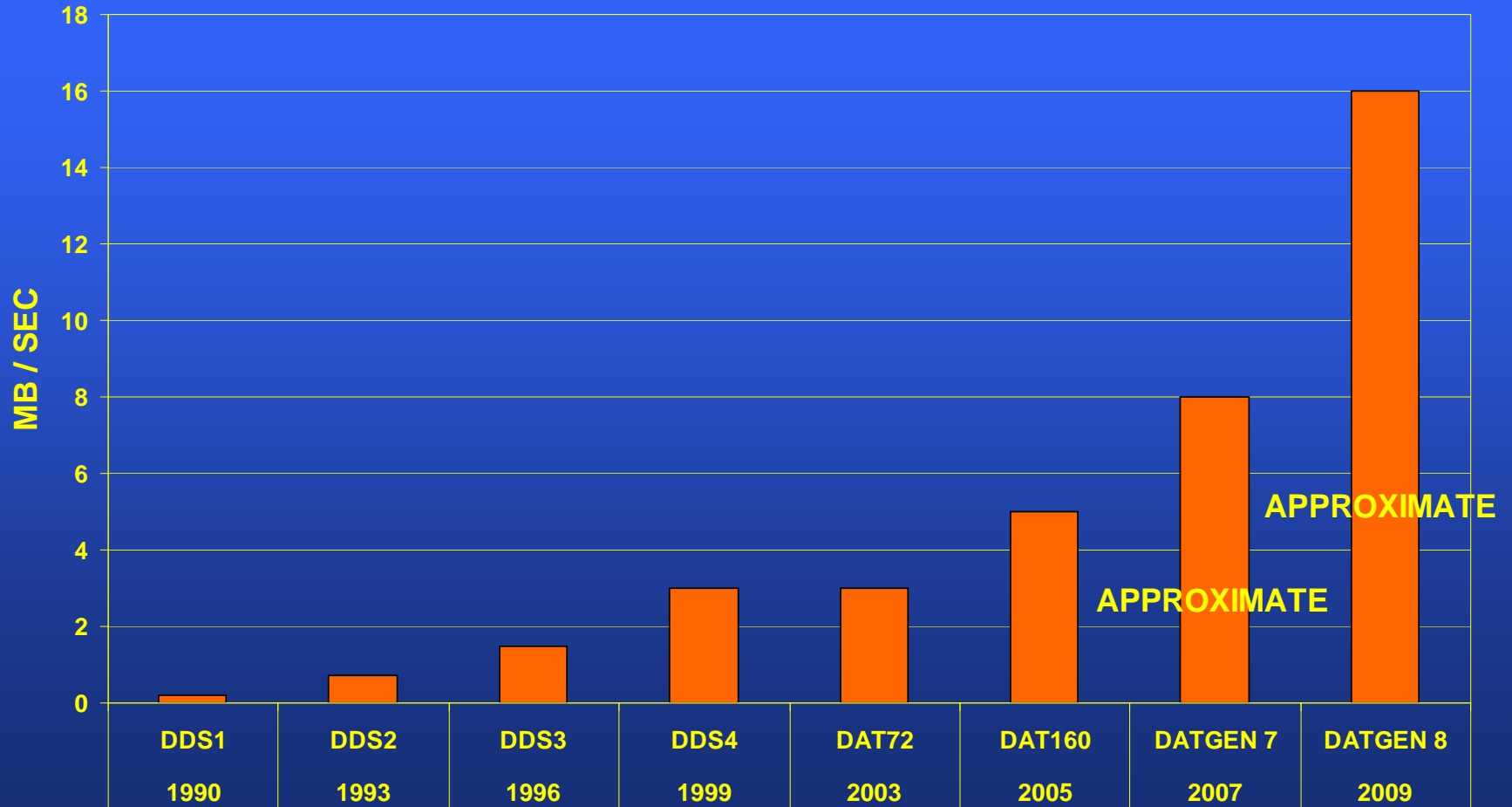
# DAT roadmap



# DAT CAPACITY ROADMAP

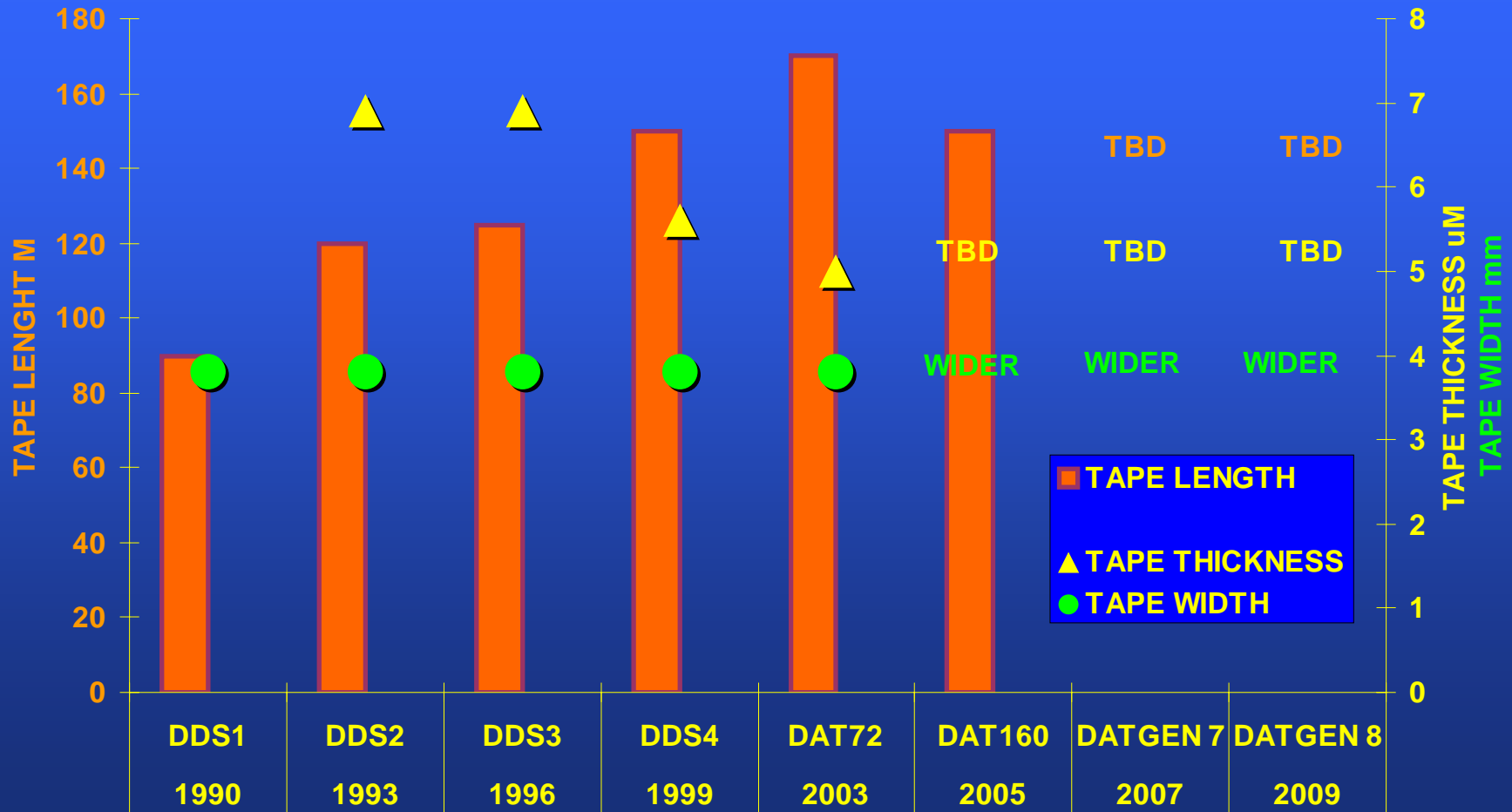


# DAT MINIMUM, NON - COMPRESSED TRANSFER RATE ROADMAP

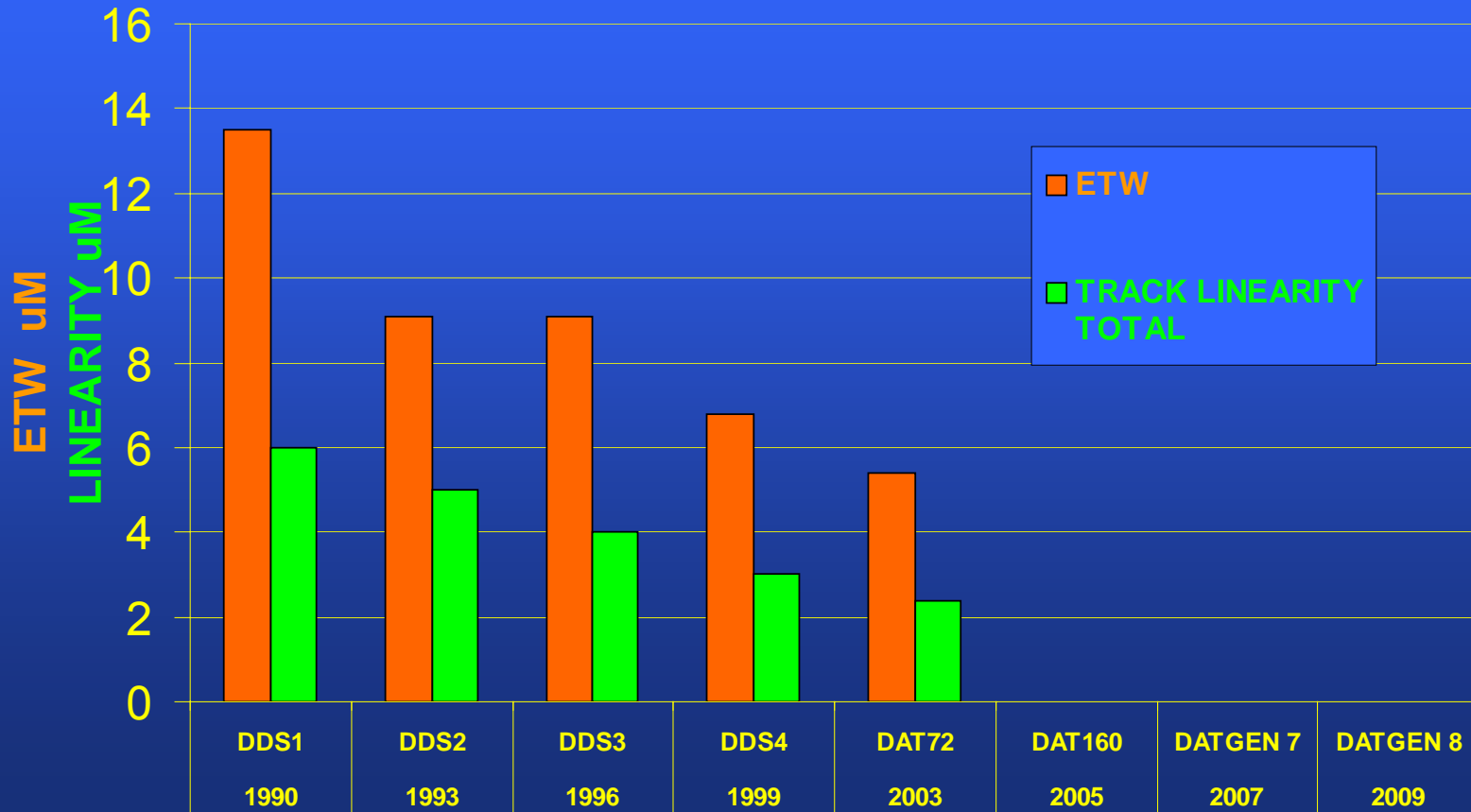




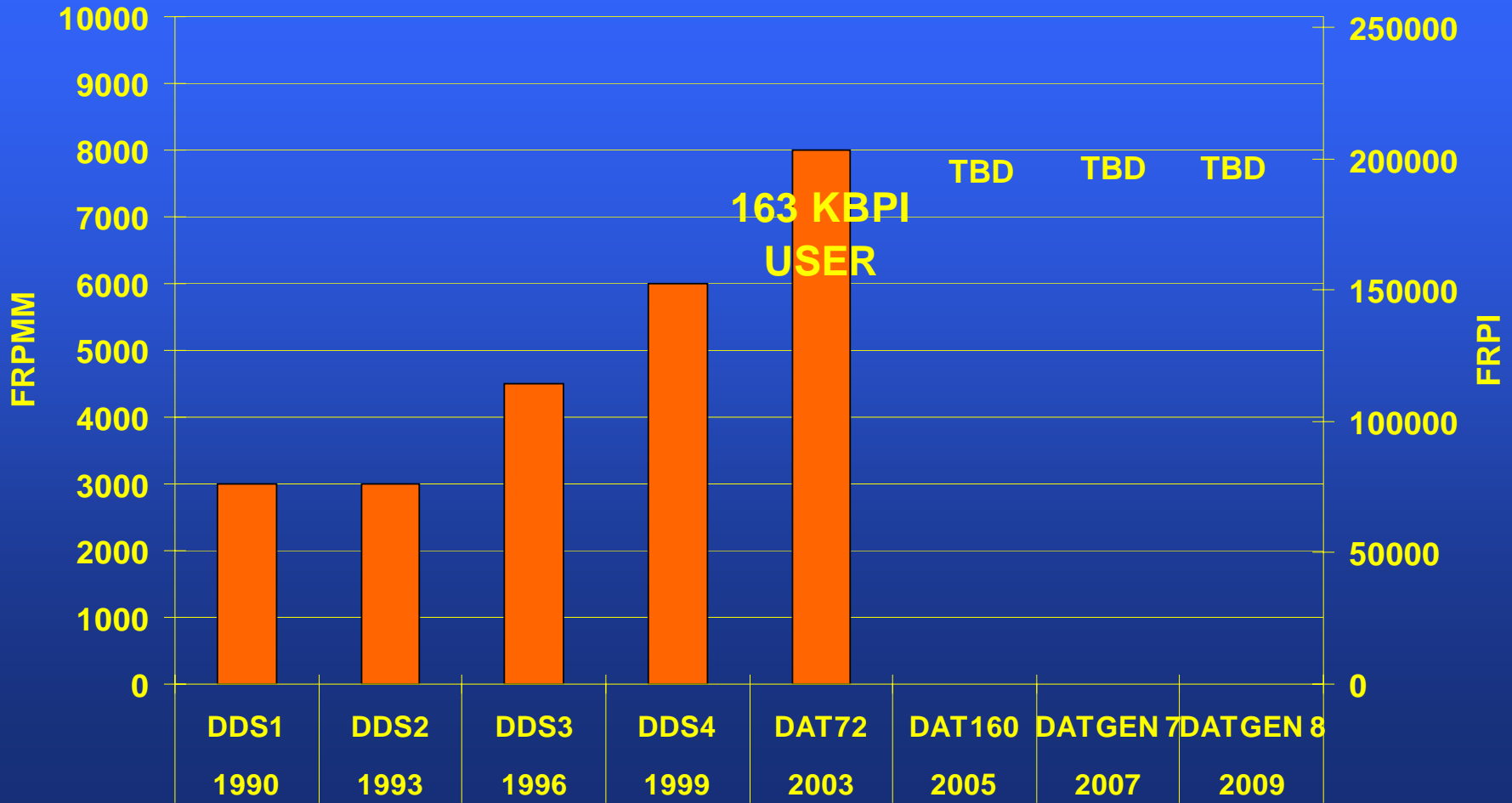
# DAT TAPE LENGTH, THICKNESS ,WIDTH ROADMAP



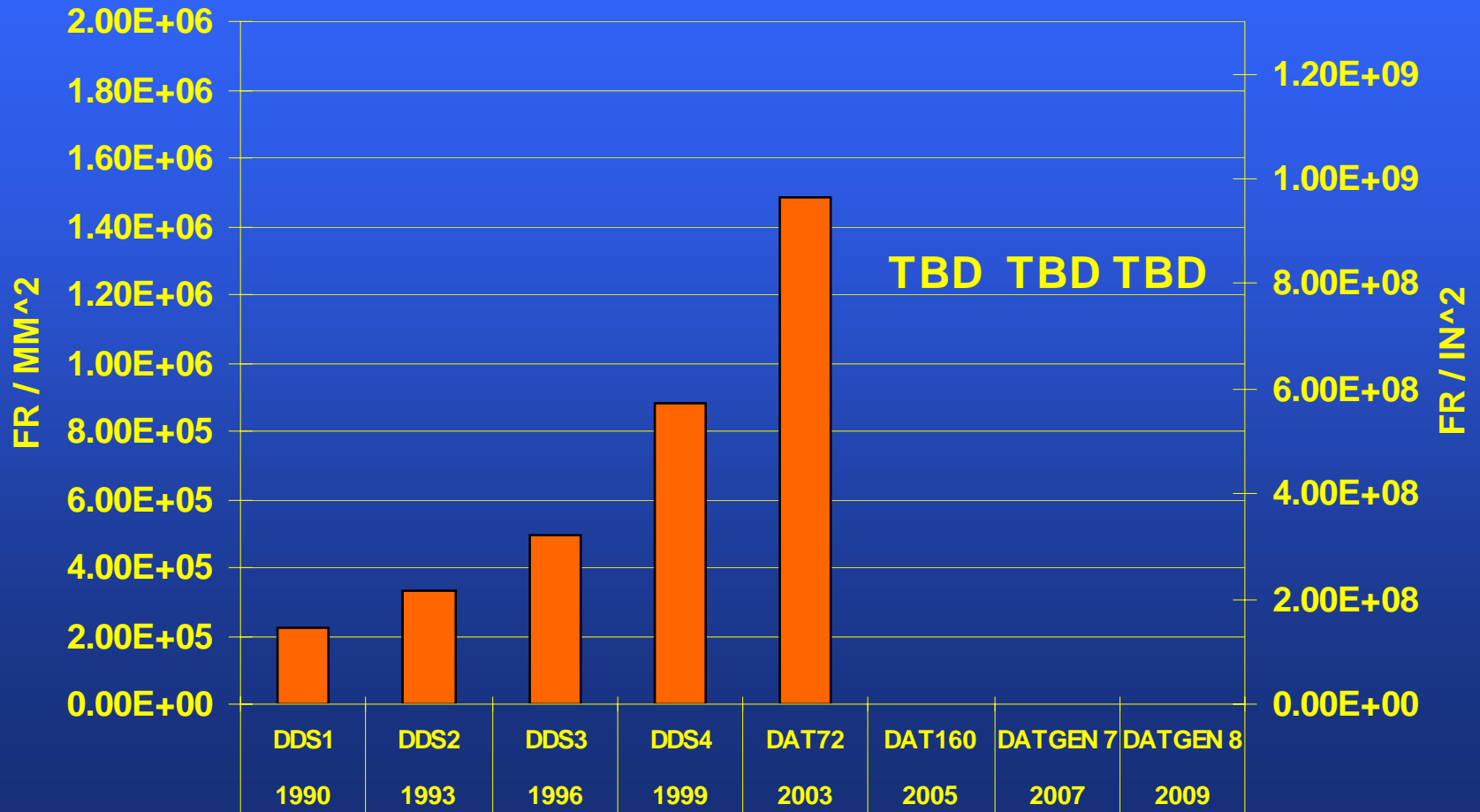
# DAT EFFECTIVE TRACK WIDTH & TRACK LINEARITY ROADMAP

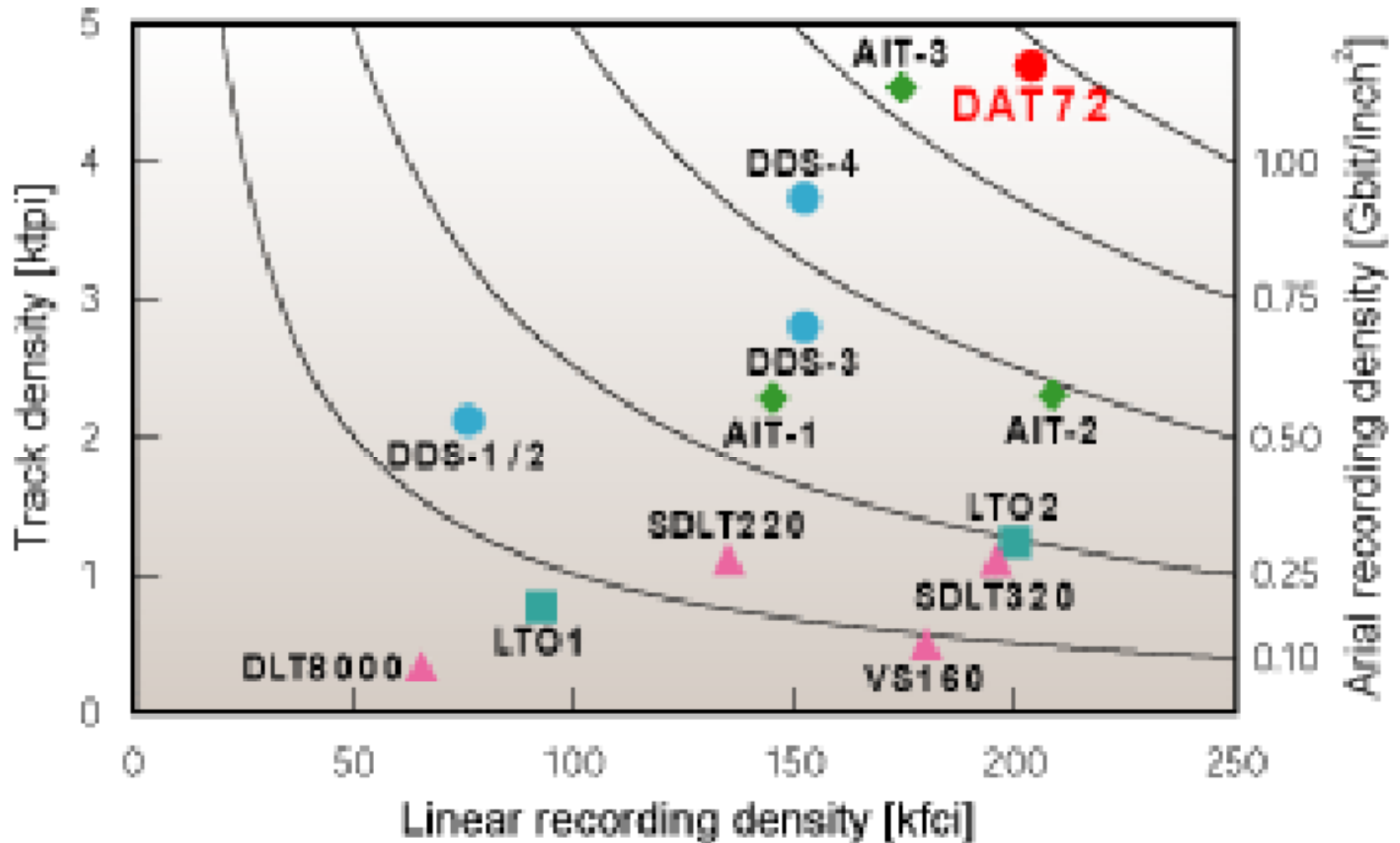


## DAT LINEAR RECORDING DENSITY FRPMM OR FRPI ROADMAP



# DAT AREAL RECORDING DENSITY FR / MM<sup>2</sup> OR FR / IN<sup>2</sup> ROADMAP





<http://www.sony.net/Products/Media/DataMedia/products/DAT72/>

# DAT roadmap

