DARPA

DARPATech

2002 Symposium

Transforming Fantasy

DARPA

Maj Jim Shoemaker, USAF

Program Manager,
Tactical
Technology Office

Transforming Fantasy

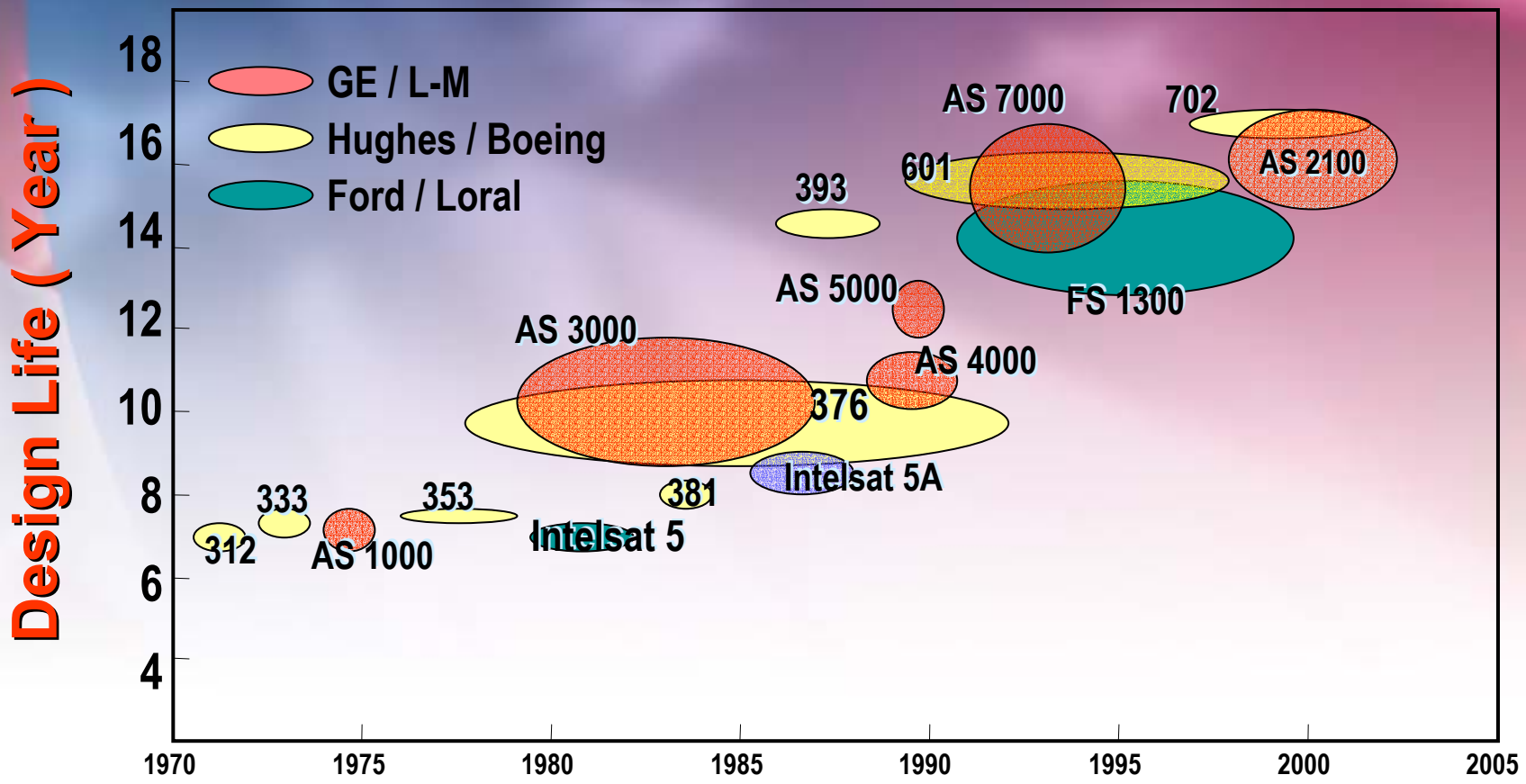
ORBITAL EXPRESS

A Better Way of Doing Business in Space

Major James Shoemaker,
USAF, Ph.D.

"MooreSats"
Upgradable (P^3I) Satellite Architectures

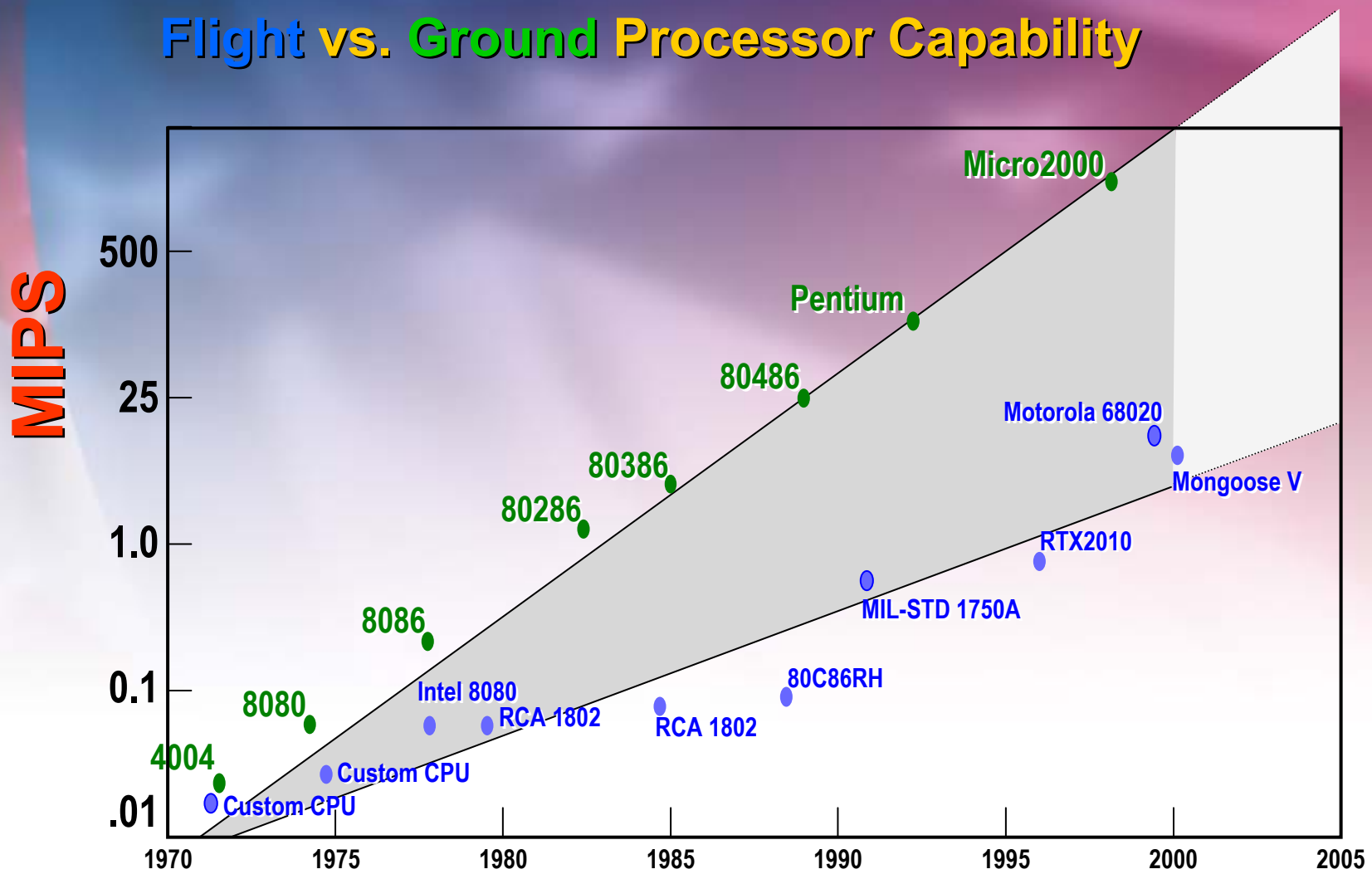
Geo Communication Satellite Lifetime



Distribution Statement A. Approved for public release; distribution is unlimited.

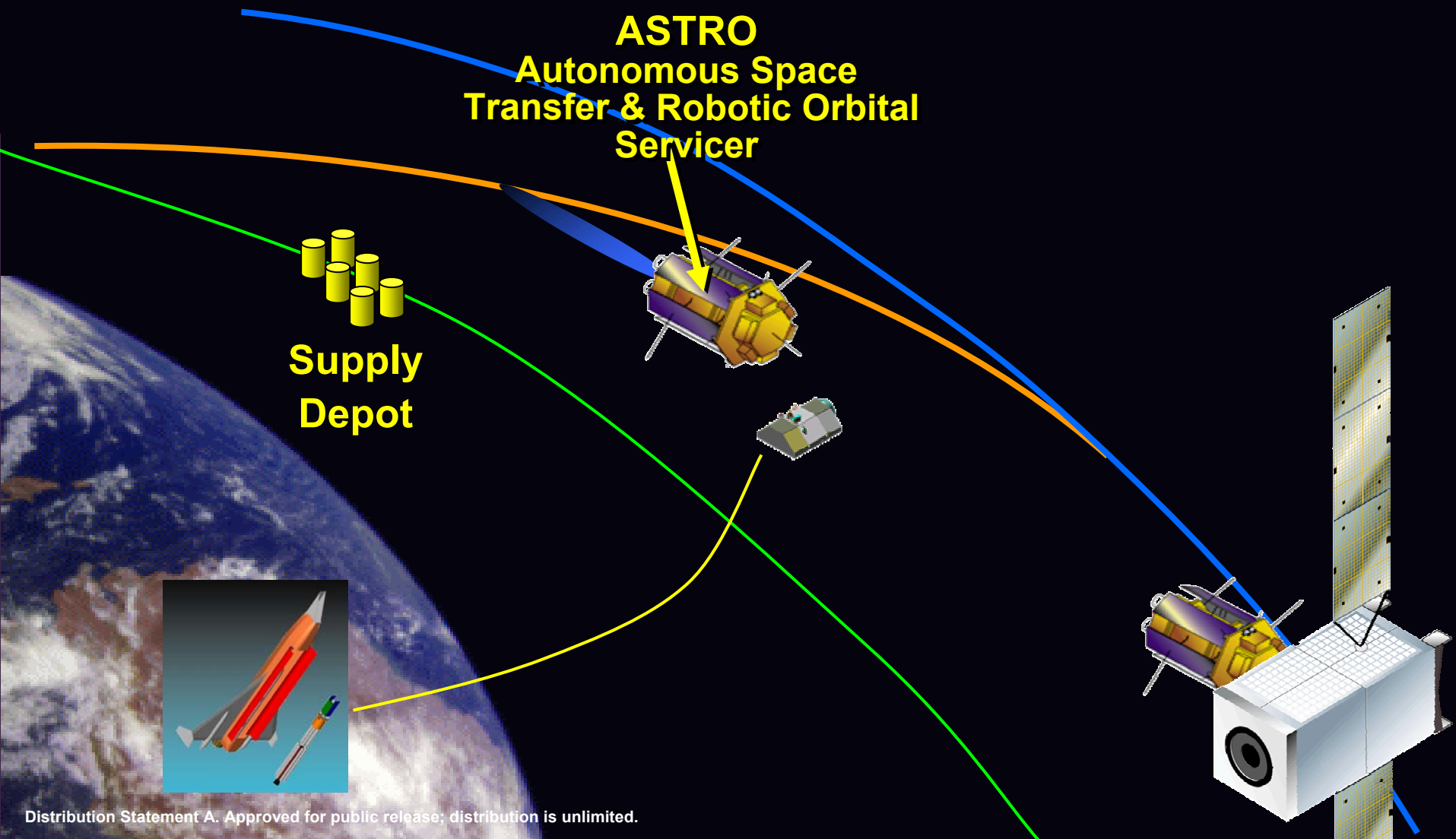
"MooreSats"
Moore's Law for Satellites

Flight vs. Ground Processor Capability



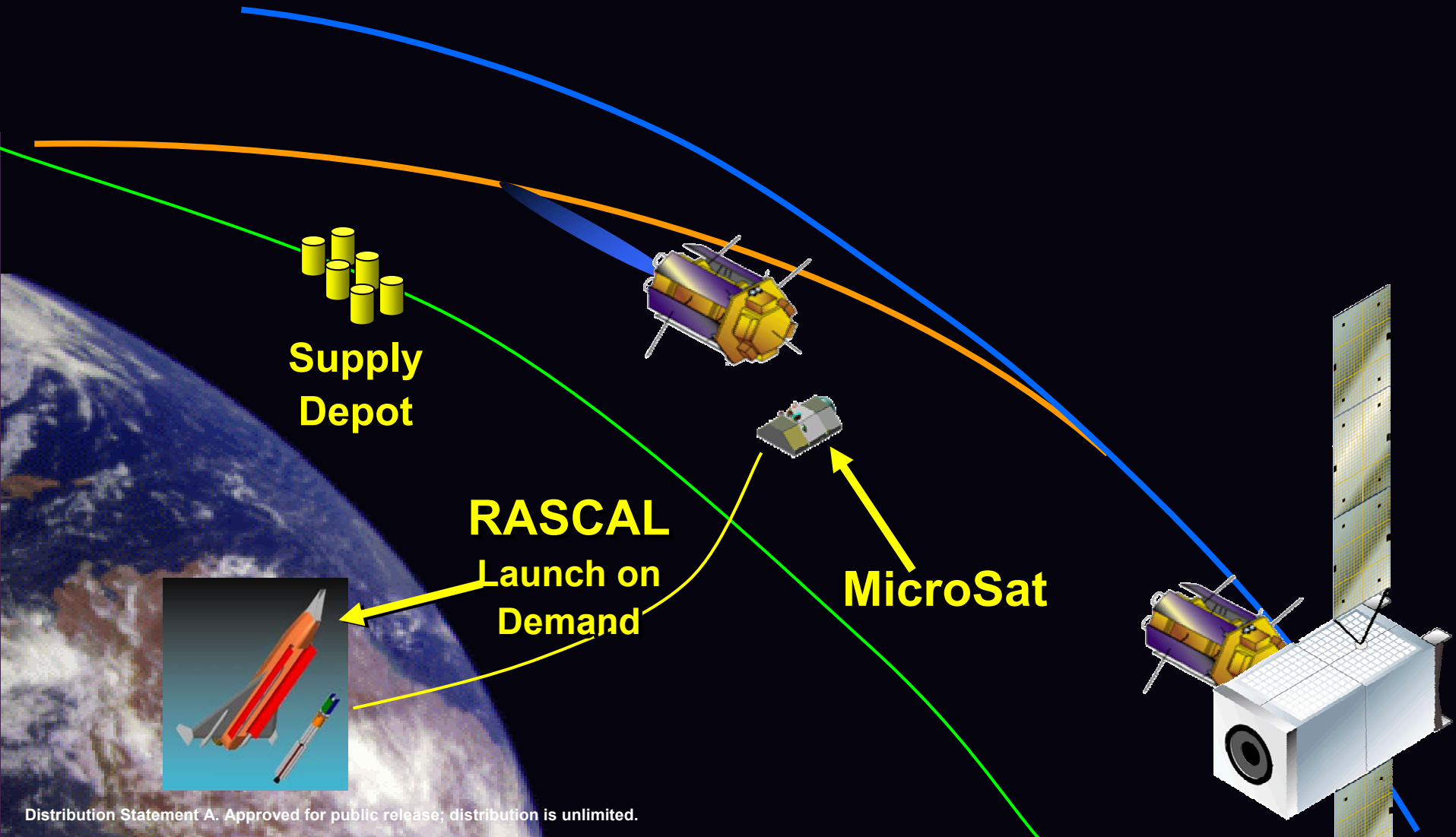
Distribution Statement A. Approved for public release; distribution is unlimited.

Orbital Express
On-Orbit Servicing Infrastructure



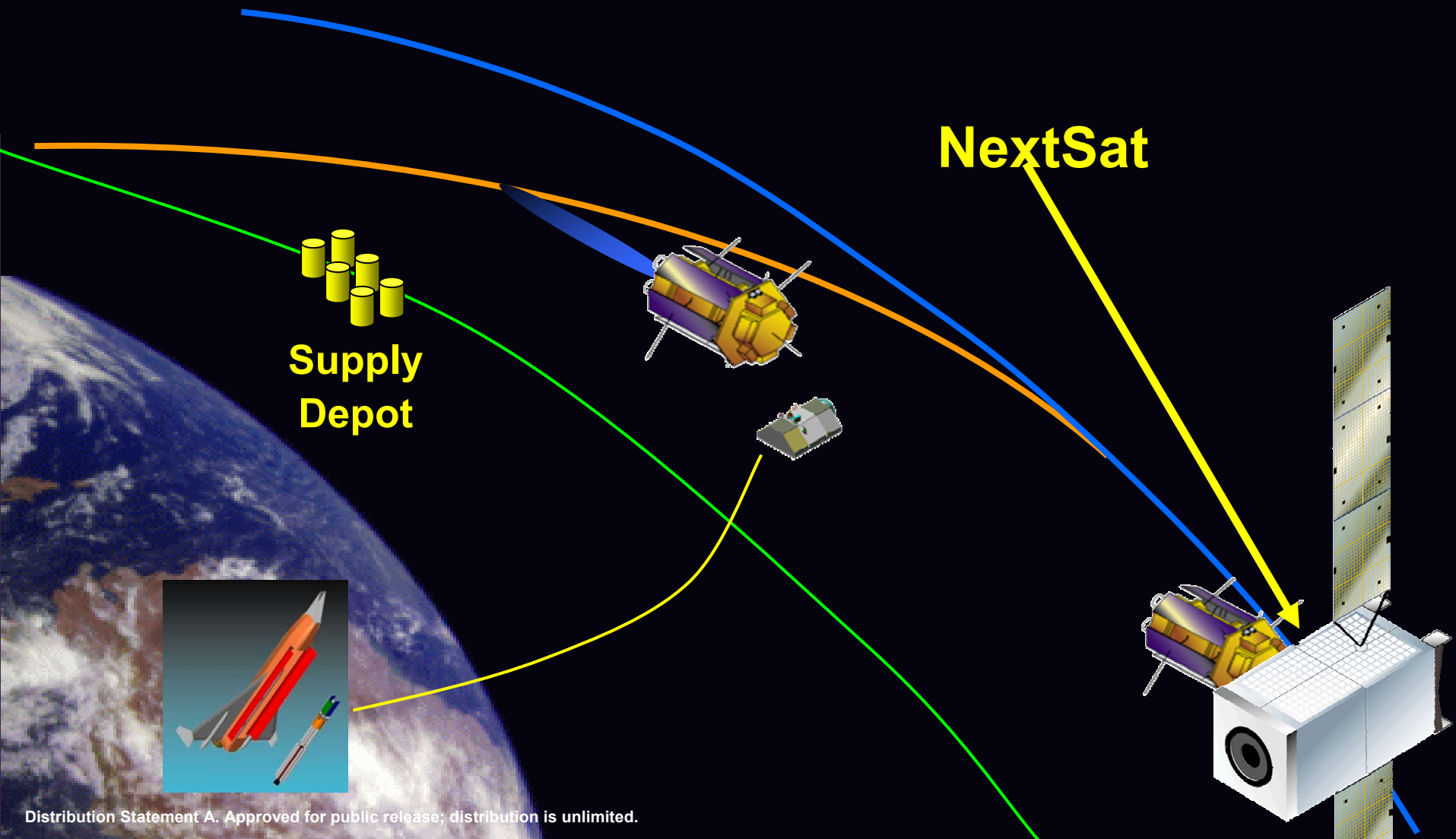
Distribution Statement A. Approved for public release; distribution is unlimited.

Orbital Express
On-Orbit Servicing Infrastructure



Distribution Statement A. Approved for public release; distribution is unlimited.

Orbital Express
On-Orbit Servicing Infrastructure



Distribution Statement A. Approved for public release; distribution is unlimited.

BOEING MOVIE

MOVIE FROM BOEING WILL GO HERE

Distribution Statement A. Approved for public release; distribution is unlimited.

Conclusions

- Fuel provides maneuverability
- New electronics improve performance

Distribution Statement A. Approved for public release; distribution is unlimited.

DARPA

DARPATech

2002 Symposium

Transforming Fantasy