



Federal Aviation
Administration

2014 Commercial Space Transportation Forecasts

May 2014

FAA Commercial Space
Transportation (AST)
and the Commercial
Space Transportation
Advisory Committee
(COMSTAC)

DRAFT

2014 COMMERCIAL SPACE TRANSPORTATION FORECAST FOR NON-GEOSYNCHRONOUS (NGSO) ORBITS

7 May 2014

COMSTAC Meeting
Business Legal Working Group
Presentation

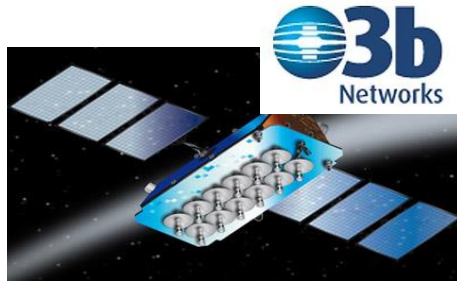
Kate Maliga
Program Manager
The Tauri Group

Agenda

- ✦ What is the NGS0 Forecast?
- ✦ Commercial Launches to NGS0:
Growing Market
- ✦ Payload Service Market Segments

What Is the NGSO Forecast?

NGSO Payload Market Segments



Commercial Telecommunications Satellites



Commercial Remote Sensing Satellites



Commercial Cargo and Crew Transportation Services

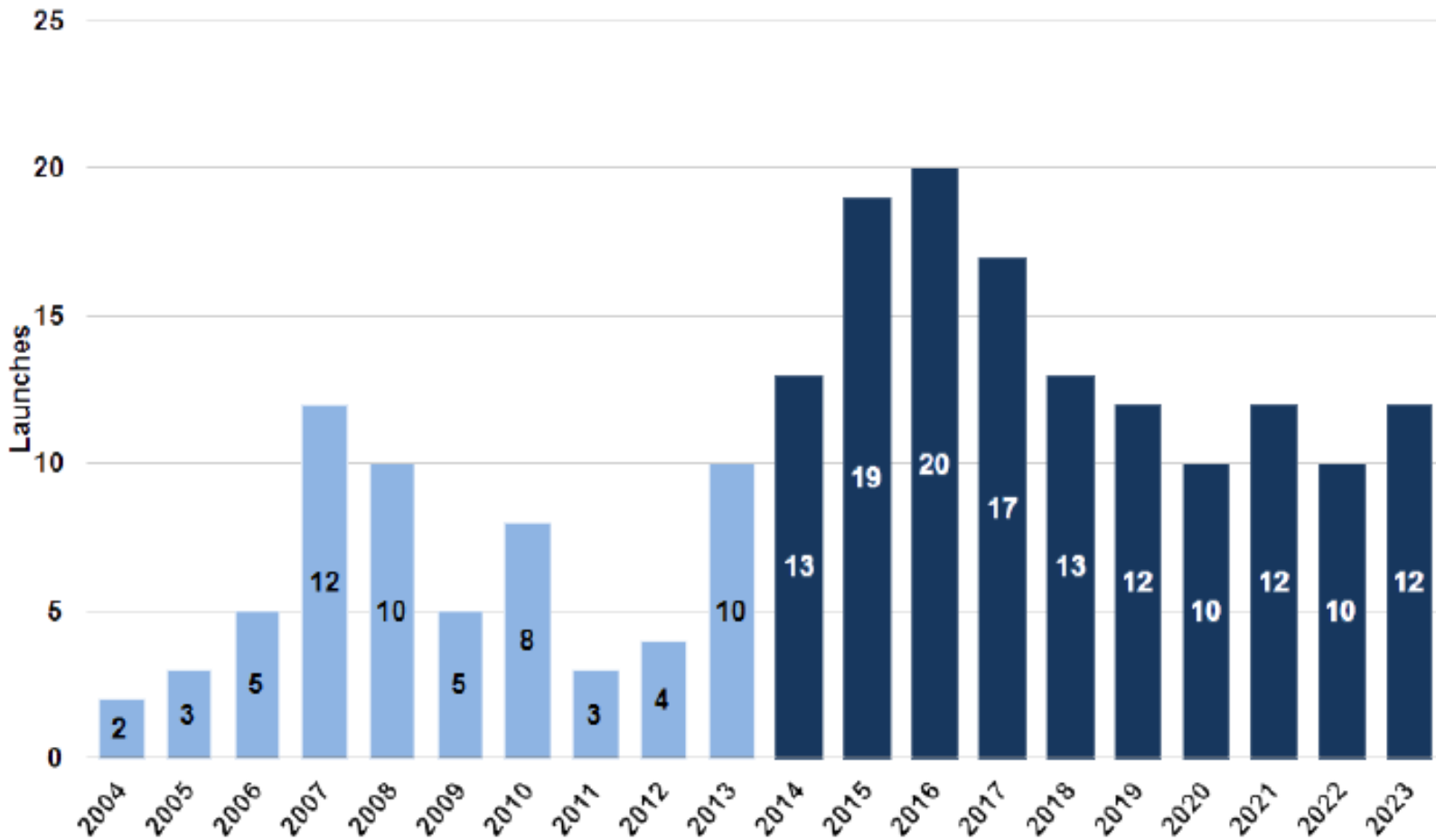


Other Commercially Launched Satellites



Technology Test and Demonstration Launches

What Is the NGSO Forecast?

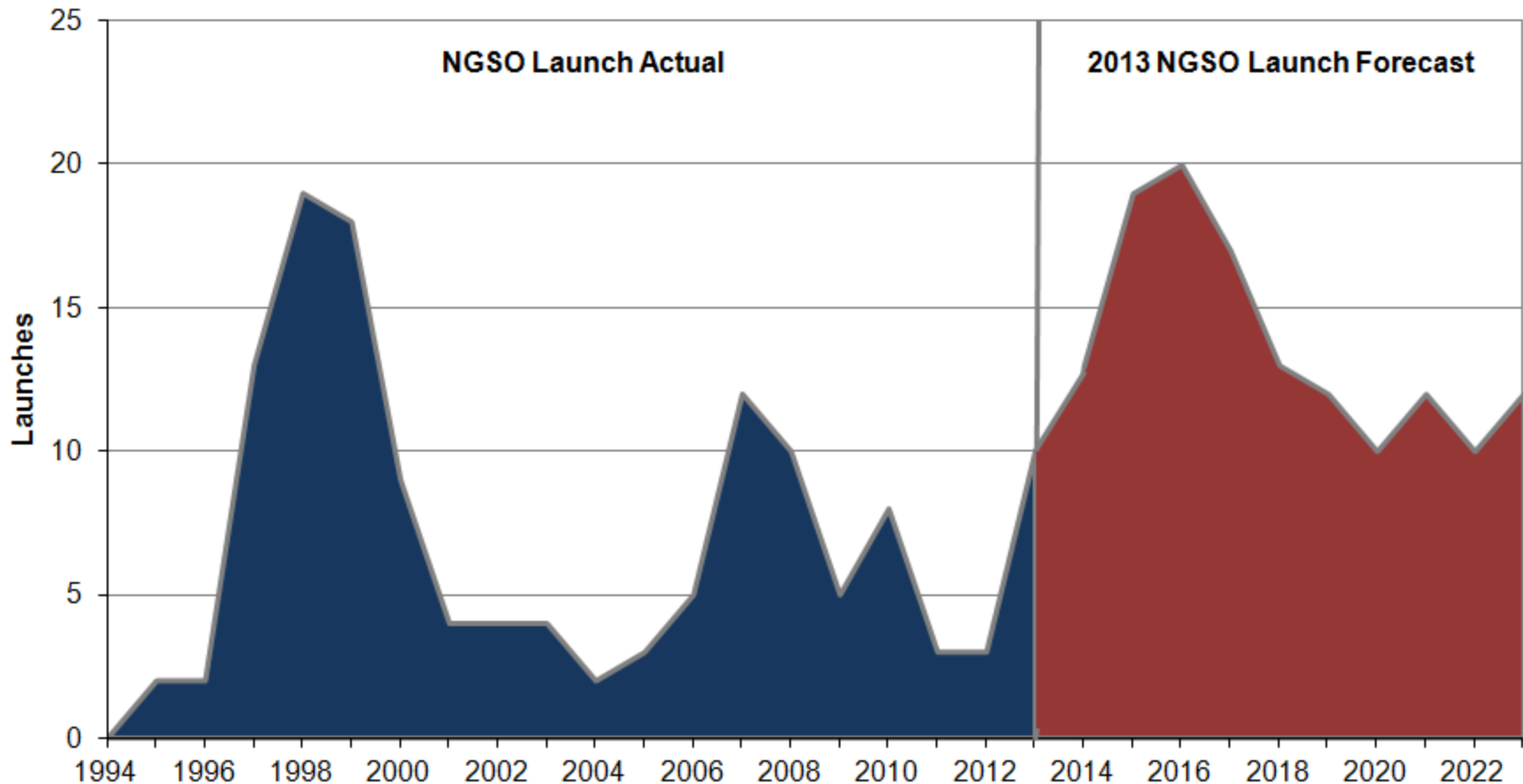


Commercial NGSO Launch History and Ten Year Forecast

Commercial Launches to NGSO: Growing Market

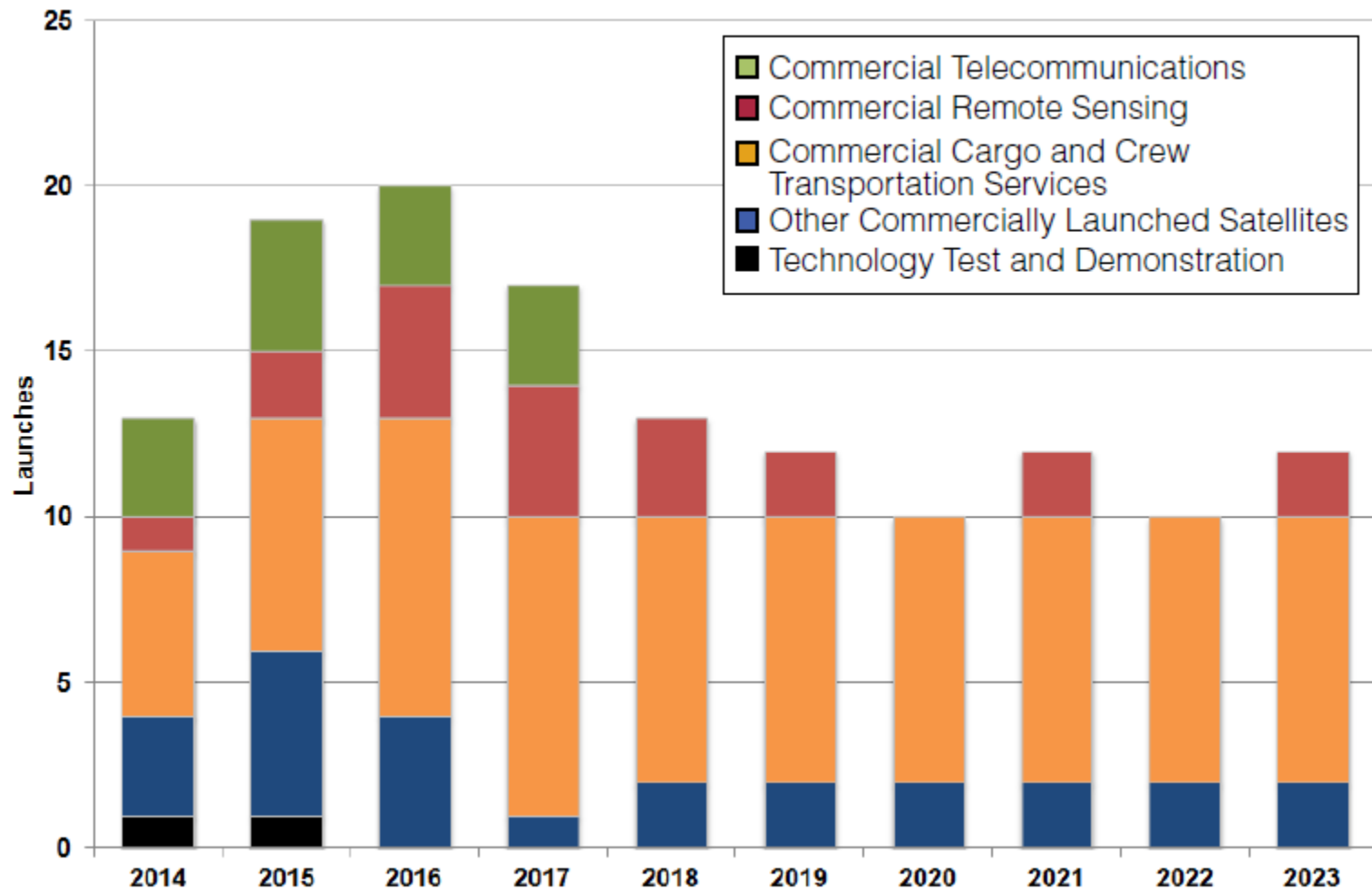
- ✦ 71 launches, GSO and NGSO average per year (2004 – 2013)
- ✦ 21 commercial launches, average per year
 - ✦ 15 commercial of 25 total average annual GSO launches
 - ✦ 6 commercial of 46 total NGSO
- ✦ Forecast for the next ten years average per year (2014 – 2023)
 - ✦ 29 commercial launches
 - ✦ 15 commercial GSO launches
 - ✦ 14 commercial NGSO launches
- ✦ Modest increase forecasted for GSO launch rate
- ✦ NGSO launch rate forecasted to increase significantly due to:
 - ✦ Commercial crew and cargo
 - ✦ NGSO telecom replacement and new satellite launches

Commercial Launches to NGSO: Growing Market



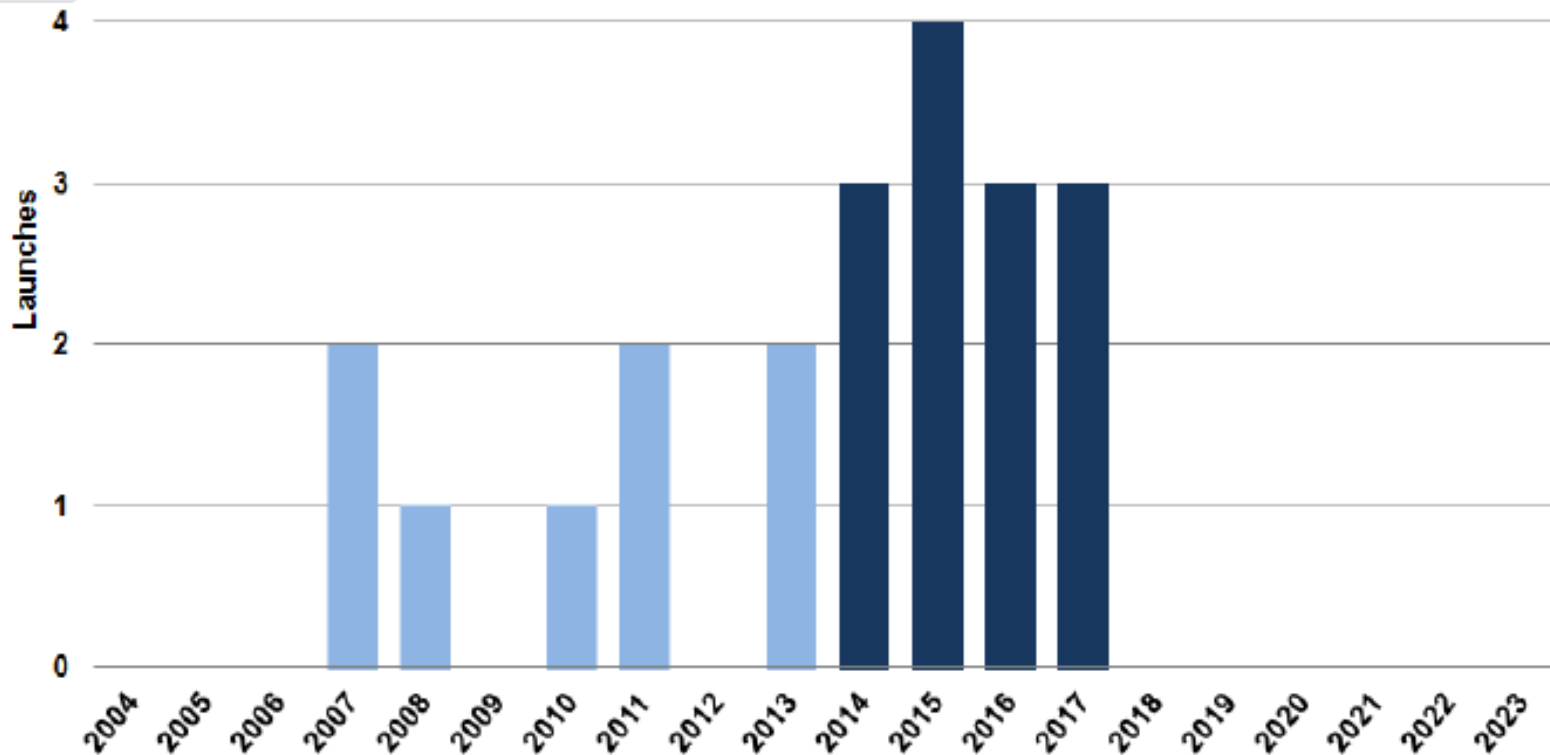
Worldwide Commercial NGSO Launches

Forecast by Market Segment: Summary



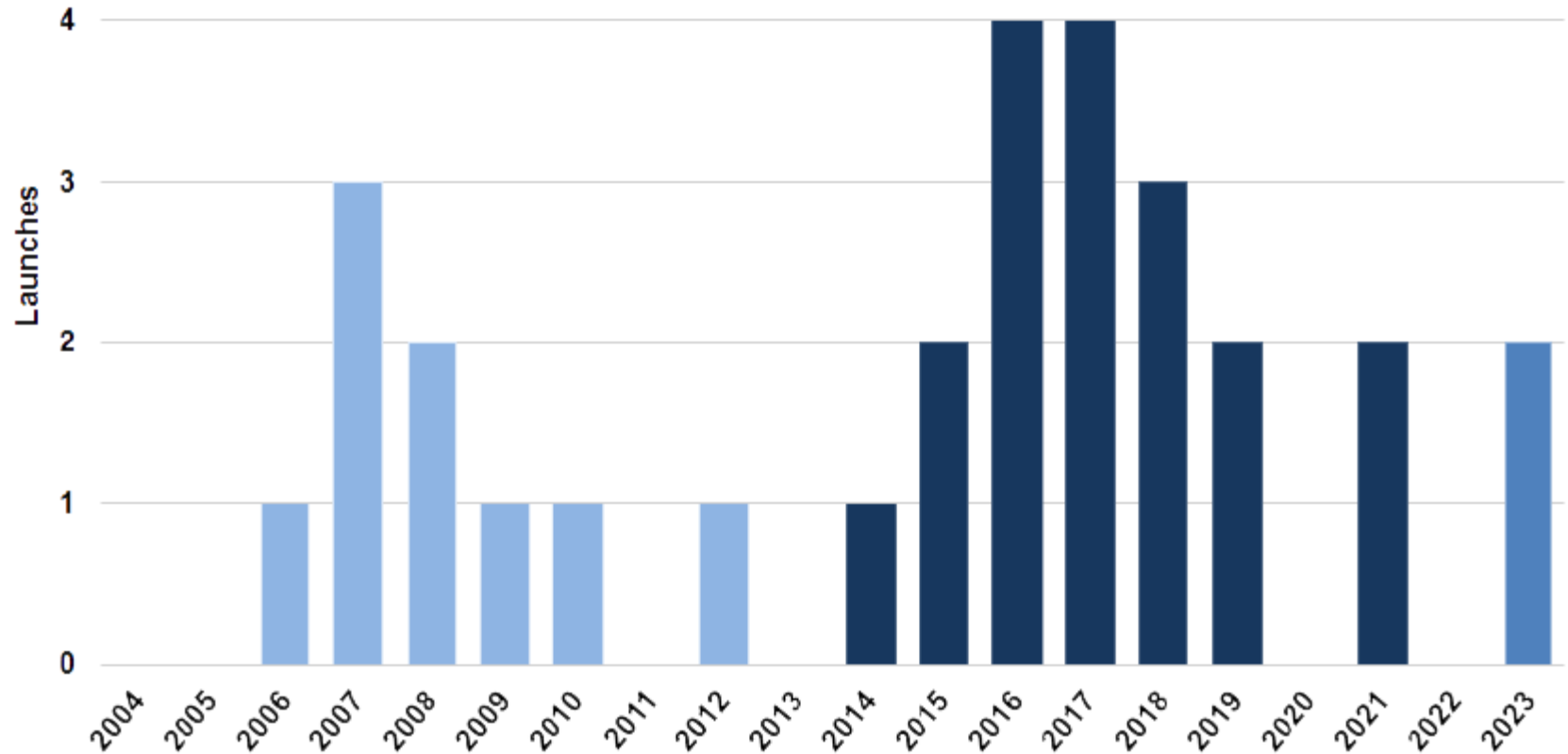
NGSO Forecast Launches by Payload Market Segment

Commercial Telecommunications



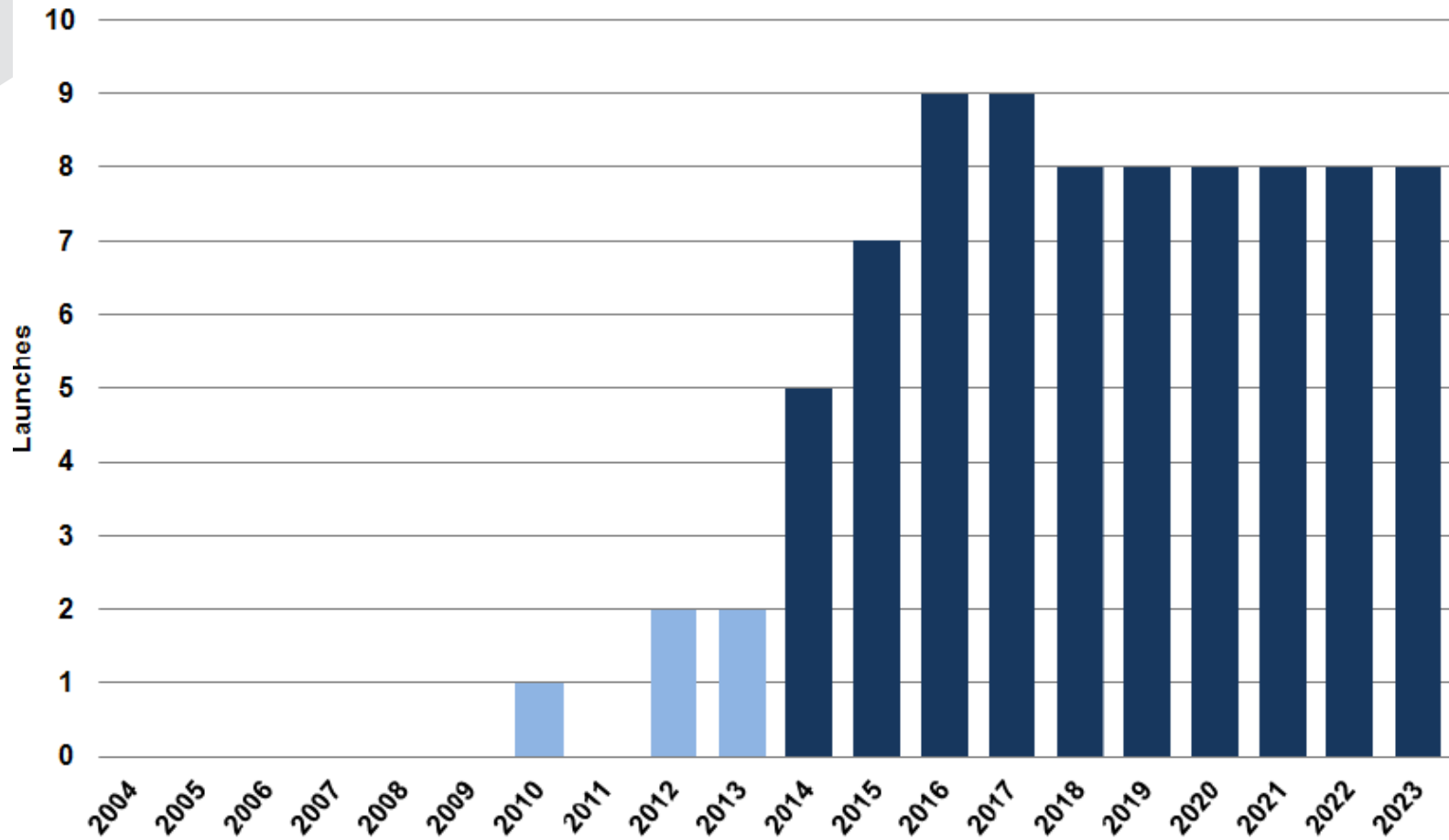
Historical and Projected NGSO Launches for Commercial Telecommunications

Commercial Remote Sensing



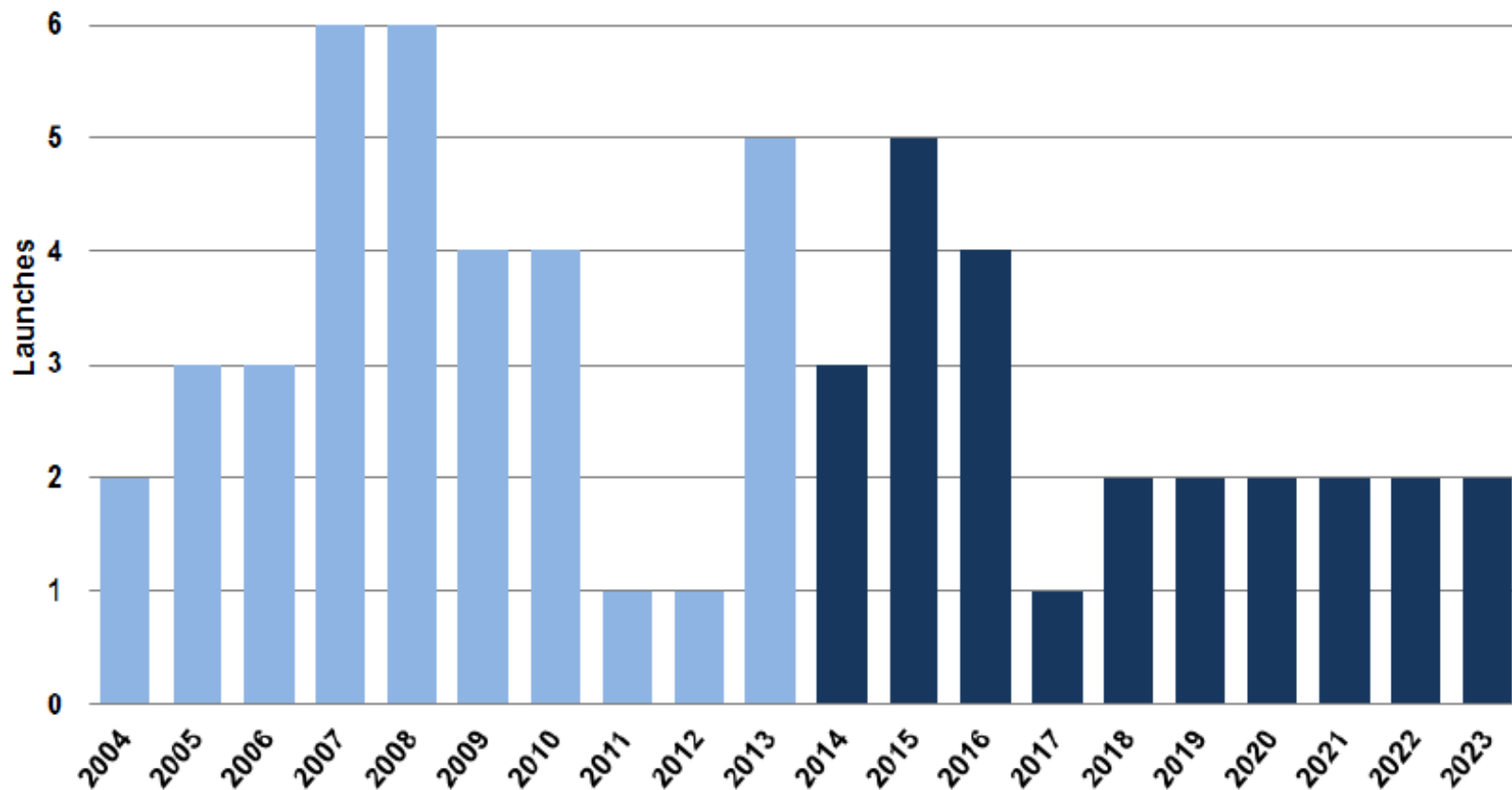
Historical and Projected NGSO Launches for Commercial Remote Sensing

Commercial Cargo and Crew Transportation



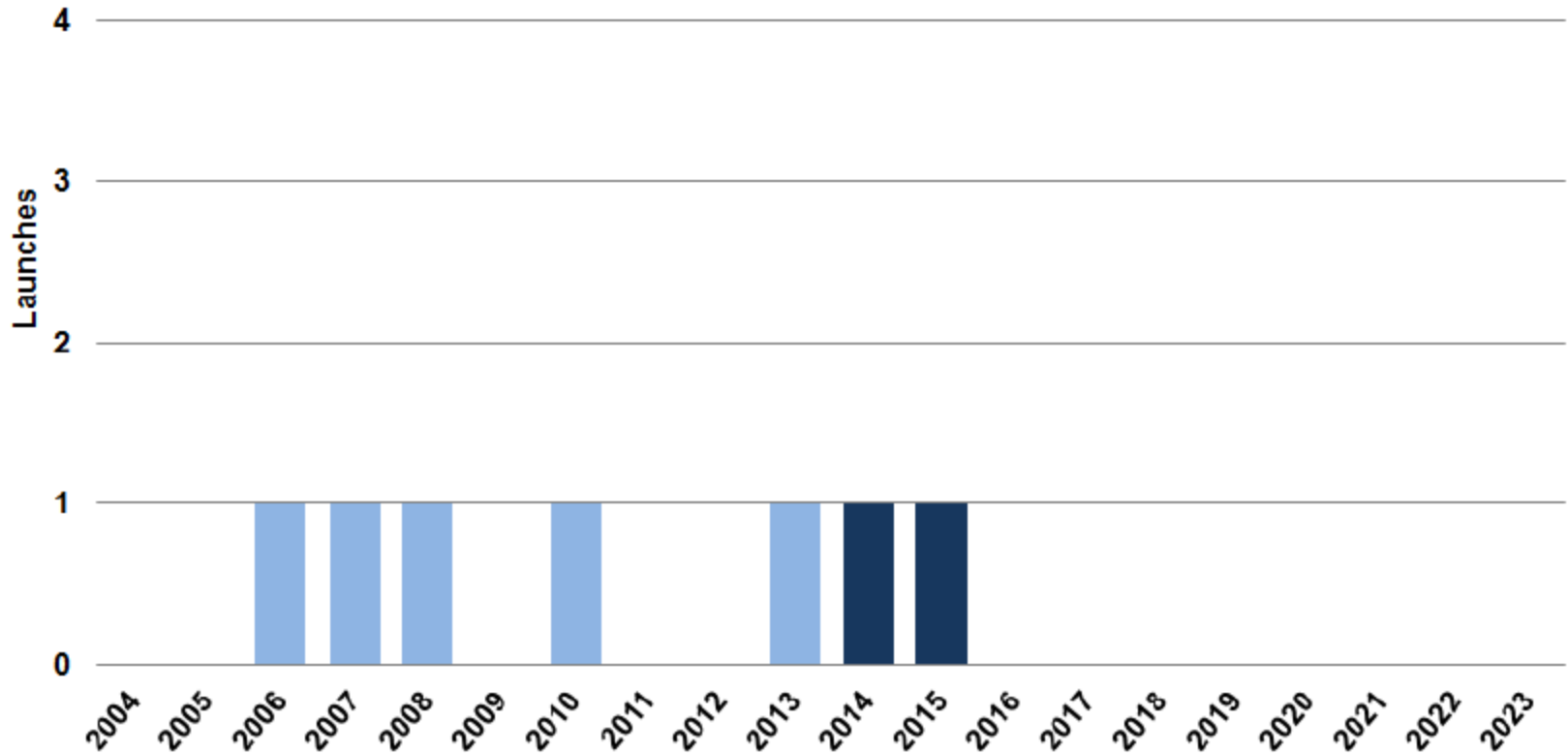
Historical and Projected NGSO Launches for Commercial Cargo and Crew Transportation Services

Other Commercially Launched Satellites



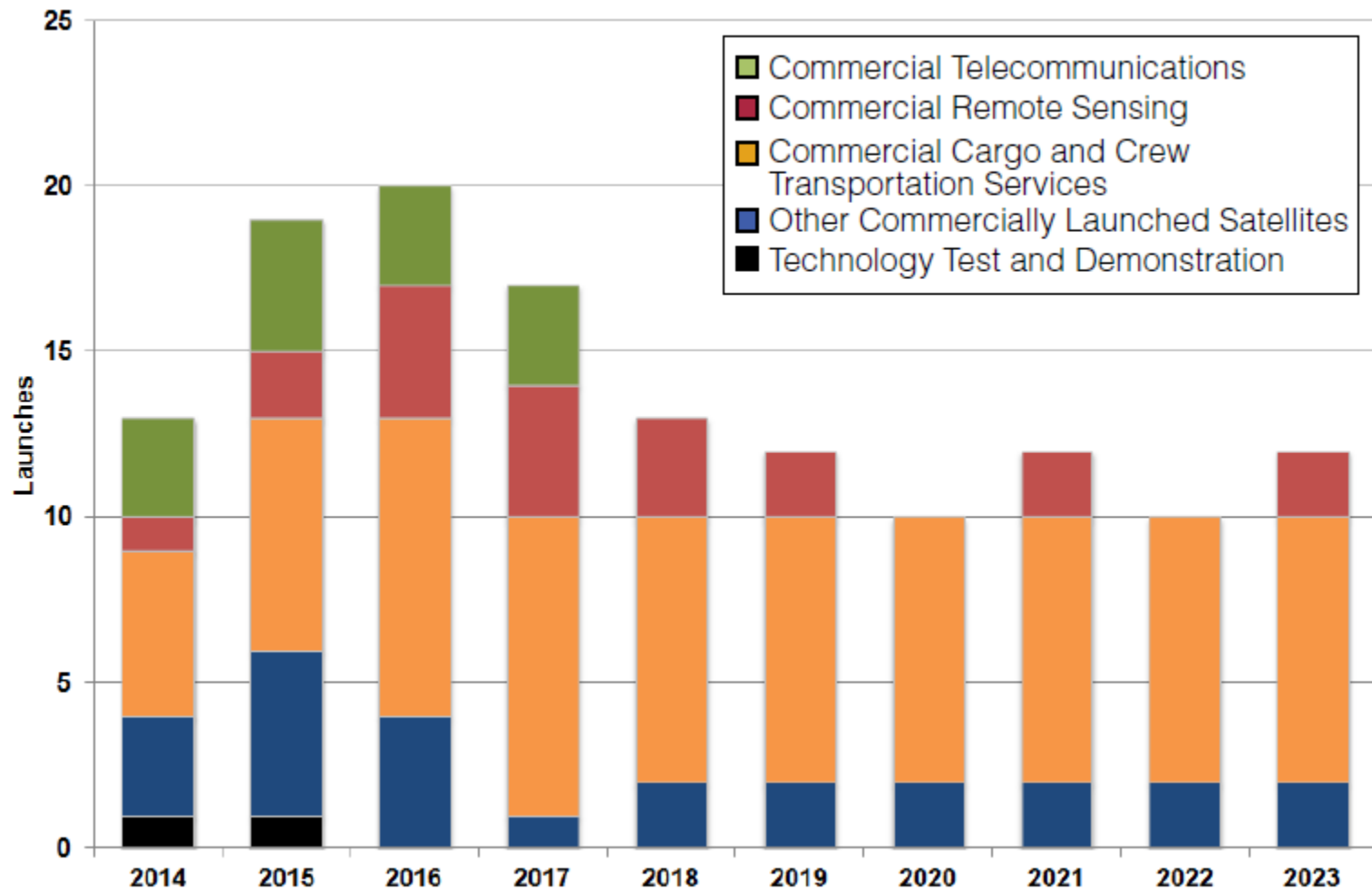
Historical and Projected NGSO Launches for Other Commercially Launched Satellites

Technology Test and Demonstration



Historical and Projected NGSO Test and Demonstration Commercial Launches

Forecast by Market Segment: Summary



NGSO Forecast Launches by Payload Market Segment

Contact Information

Thank you

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