

17th Summit for Satellite Financing
September 9, 2013

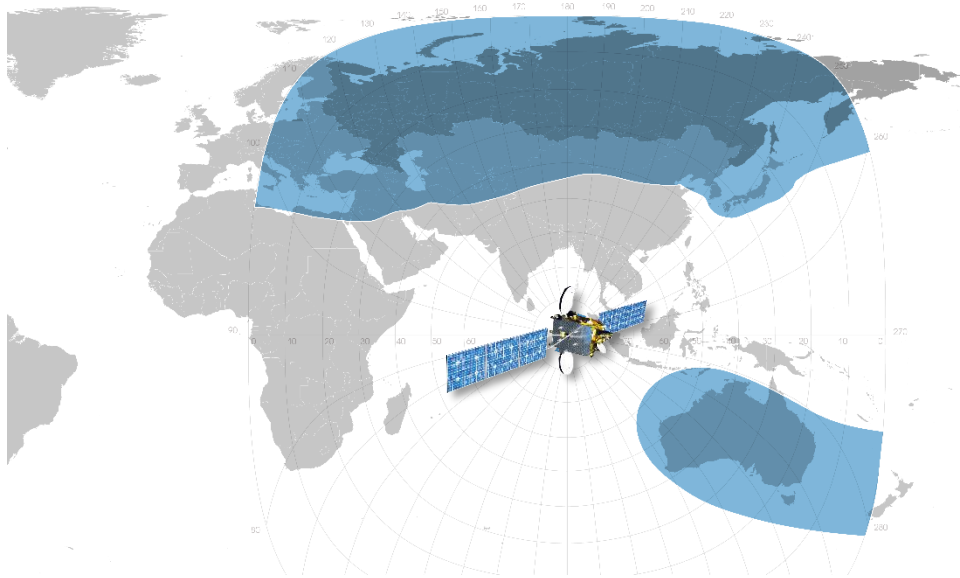
The background of the slide is a blue-tinted image of a rocket launch. A rocket is seen ascending vertically, leaving a trail of white smoke. To the left of the rocket is a tall, lattice-structured service tower. The entire scene is overlaid with a grid of white squares and lines, creating a technical or digital aesthetic.

**SATELLITE OPERATORS FROM BRIC COUNTRIES:
OPPORTUNITIES FOR GROWTH**



Dmitry Sevastiyarov, Director General, Gazprom Space Systems

YAMAL-300K SATELLITE



Orbital Slot

90E

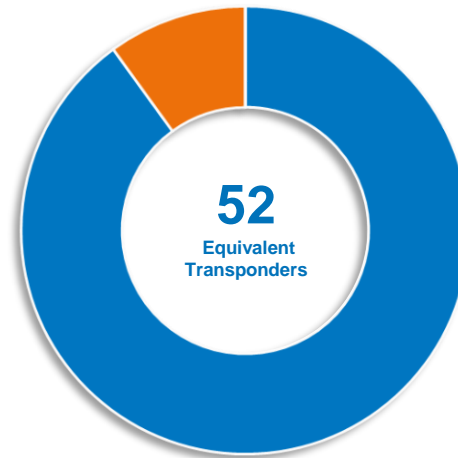
Frequency Bands

C, Ku

Launch

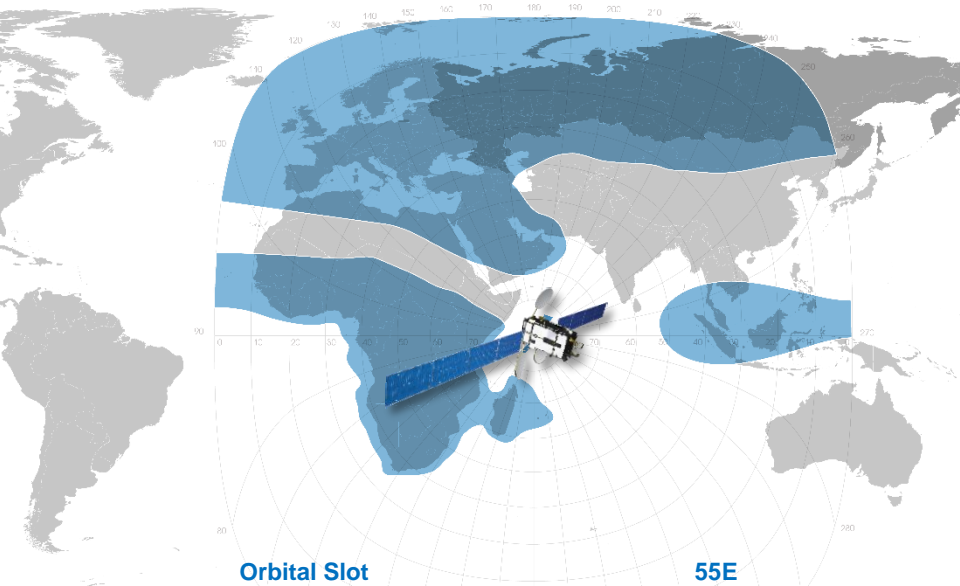
November 3, 2012

MARKETS



- 90% Russian Market
- 10% International Market

YAMAL-402 SATELLITE



Orbital Slot

55E

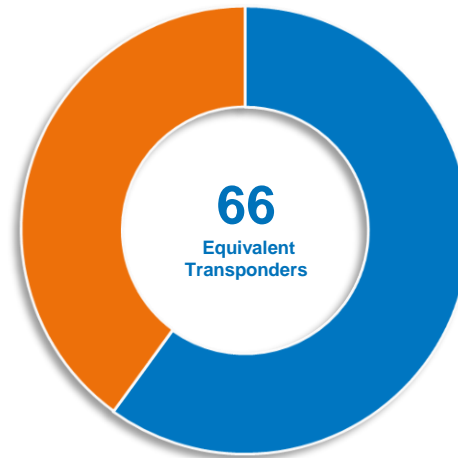
Frequency Bands

Ku

Launch

December 8, 2012

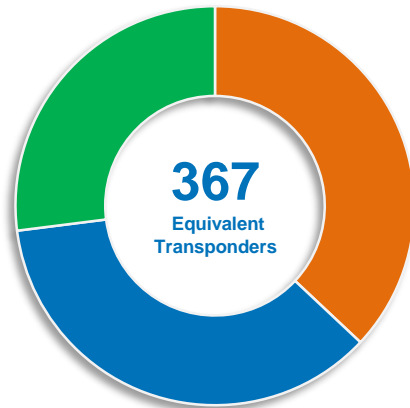
MARKETS



- 60% Russian Market
- 40% International Market

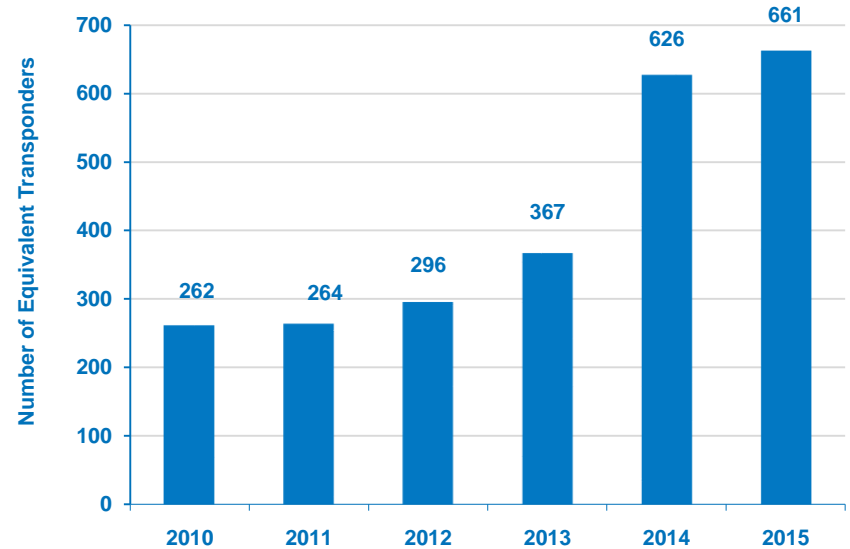
RUSSIAN SATELLITE CAPACITY MARKET

SHARES OF SATELLITE OPERATORS



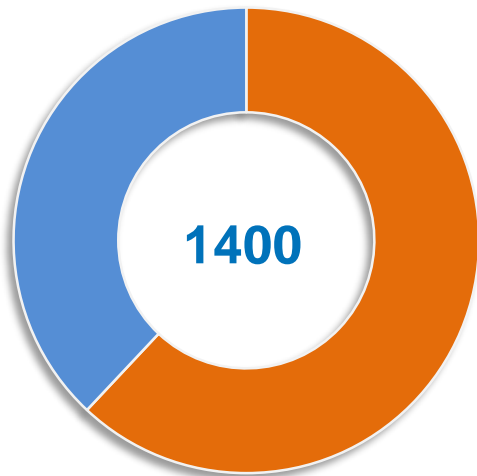
- 37% RSCC
- 36% Gazprom Space Systems
- 27% International Operators

GROWTH OF SUPPLY



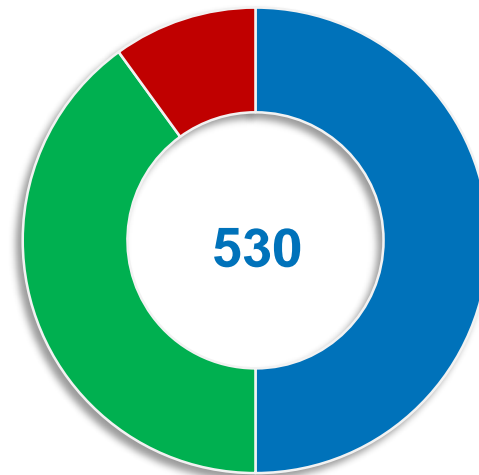
SATELLITE TELEVISION IN RUSSIA

TOTAL NUMBER OF TV CHANNELS



- 62% DTH
- 38% Distribution

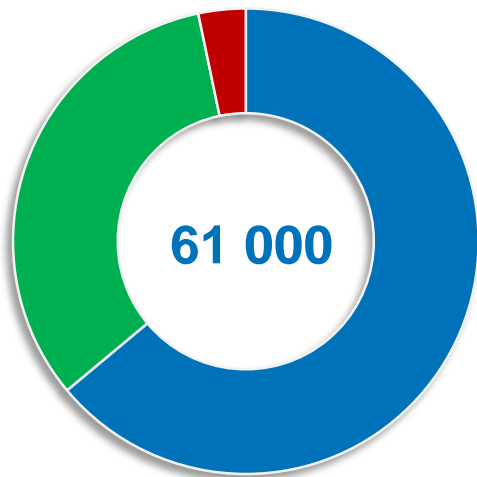
TV DISTRIBUTION SECTOR



- 50% GSS Fleet
- 40% RSCC Fleet
- 10% Others

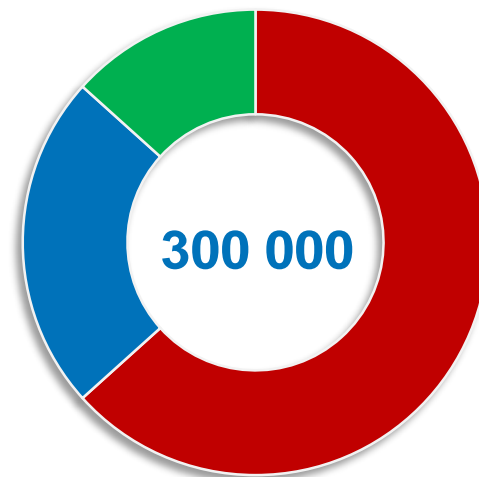
SATELLITE BROADBAND IN RUSSIA

NUMBER OF VSATs
2012



- 64% B2G
- 33% B2B
- 3% B2C

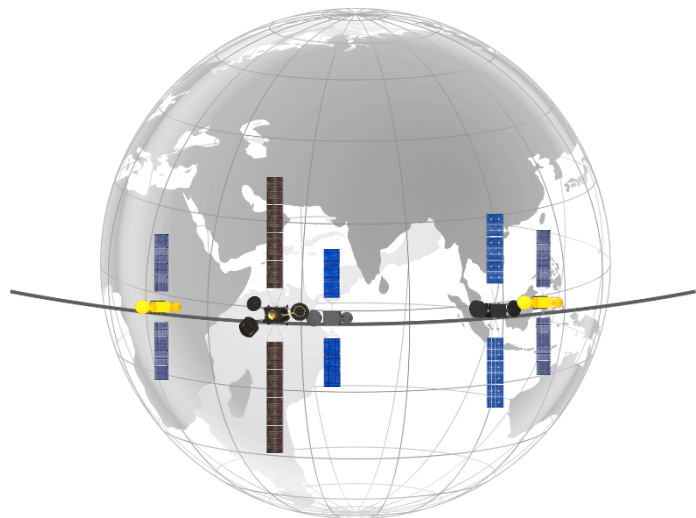
NUMBER OF VSATs
2017



- 63% B2C
- 23% B2G
- 14% B2B

2014: YAMAL-401 LAUNCH, YAMAL-300K RELOCATION

2013



49°E

YAMAL-202

55°E

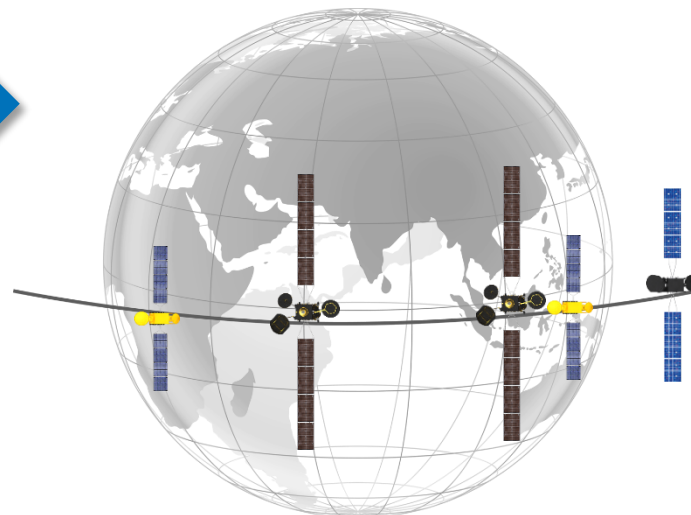
ASTRA 1F
YAMAL-402

90°E

YAMAL-201
YAMAL-300K



2014



49°E

YAMAL-202

55°E

YAMAL-402

90°E

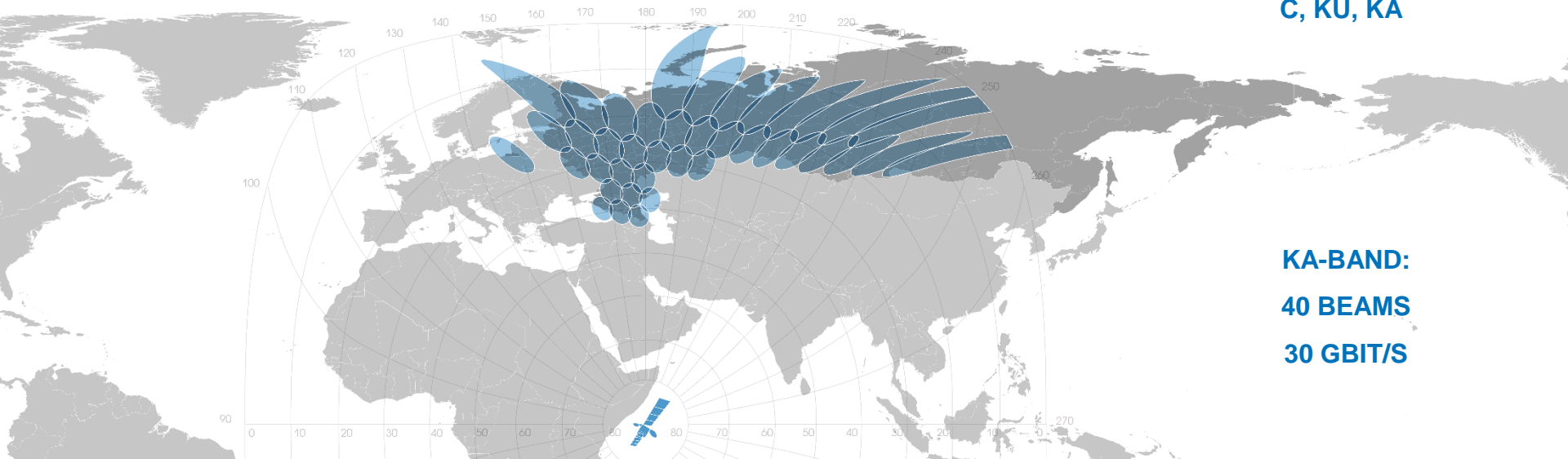
YAMAL-201
YAMAL-401

183°E

YAMAL-300K

2016: YAMAL-601 HIGH THROUGHPUT SATELLITE FOR RUSSIA

**ORBITAL POSITION 49E
C, KU, KA**



**KA-BAND:
40 BEAMS
30 GBIT/S**



GAZPROM SPACE SYSTEMS

