Reconfigurable Multimission Payloads Hosted On Iridium NEXT

Leveraging hosted payload space on the Iridium NEXT constellation, Harris partnered with Aireon™ and exactEarth to deliver

100% GLOBAL COVERAGE
OF AIR AND MARITIME TRAFFIC SURVEILLANCE
that provides insights for a better world.

Harris AppSTAR™ Enables Diverse Mission Support
THERE ARE 162 HOSTED PAYLOADS UTILIZING THE HARRIS AppSTAR™ PLATFORM ON THE Iridium NEXT CONSTELLATION

100% GLOBAL COVERAGE
THE AMOUNT OF GLOBAL AIRSPACE
THAT CAN BE COVERED
REGardless OF TERRAIN, LOCATION, OR INFRASTRUCTURE

This coverage leads to:
• Increased air traffic safety
• Billions in fuel savings
• More direct flight paths

30% CURRENTLY COVERED
BY REAL-TIME AIR TRAFFIC SURVEILLANCE

THE AMOUNT OF GLOBAL AIRSPACE
THAT CAN BE COVERED
REGardless OF TERRAIN, LOCATION, OR INFRASTRUCTURE

THE ALTITUDE FROM EARTH,
IN MILES, THAT ENABLES:
• Pole-to-pole coverage
• Shorter transmission paths
• Stronger signals
• Lower latency than GEO

<70 MILLISECONDS
LATENCY FROM DETECTION TO RECEIVED ON GROUND

OPERATIONAL
ADS-B RECEIVER
PAYLOADS
THAT WILL ENABLE
GLOBAL AIR TRAFFIC COVERAGE

100 MILLION
THE NUMBER OF SATELLITE AIS POSITION REPORTS DAILY (UP FROM 6 MILLION CURRENTLY)

<1 MINUTE
LATENCY FROM ANY POINT ON EARTH

TOTAL AUTOMATIC IDENTIFICATION SYSTEM (AIS) RECEIVER PAYLOADS THAT WILL ENABLE GLOBAL REAL-TIME VESSEL TRACKING

OPTIMIZED AIR TRAFFIC SURVEILLANCE

REAL-TIME MARITIME MONITORING

BENEFITS OF HARRIS AppSTAR™:
• Reduced mission costs and improved timelines
• Less than 24-months to payload delivery from contract signing
• Agile and reconfigurable platform for changing missions—even after deployment
• Multiple missions from one payload

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