



March 24, 2023

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Request for Special Temporary Authority
Call Sign KL92; Castle Rock, Colorado

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing May 2, 2023, to use its Castle Rock, Colorado Ku-band earth station, Call Sign KL92, to provide in-orbit testing ("IOT") services to Intelsat 40e (S3066) at its final orbital location of 91.0° W.L. Intelsat 40e is scheduled to launch no earlier than April 7, 2023. Intelsat expects to begin two months of IOT on May 2, 2023.

The proposed IOT will be performed at the following frequency bands:

- 13750-14500 MHz (uplink); and
- 10700-12200 MHz (downlink).²

The 24x7 contact information for the operations is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)
Request to speak with Glen Jones or Mike Ryan.

In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA request will allow Intelsat to help test Intelsat 40e and place it into service, which will provide continuity of service and additional Ku- and Ka-band capacity over the continental United States. Grant of this request will thereby promote the public interest.

¹ Intelsat has filed its STA request, FCC Form 159, the applicable filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² Additional operational information and a 13 GHz report are provided in Exhibits A and B.

Ms. Marlene H. Dortch
March 24, 2023
Page 2

Please direct any questions the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa

EXHIBIT A

Intelsat's Request for STA to Support Intelsat 40e IOT

Earth Station Call Sign	KL92
Antenna size (m)	12.5
Transmit Frequencies (MHz)	13750-14500
Receive Frequencies (MHz)	10700-12500
Transmit Gain	64.0 dBi at 14.0 GHz
Polarization	Linear
Emission Designators	750KF2D, 64KN0N, 1M00N0N
Bandwidth	1 Hz, 1 Hz, 88 kHz
Maximum EIRP per Carrier (dBW)	85 for all carriers
Maximum EIRP Density per Carrier (dBW/4 kHz)	56, 67, 55
Site Location	Castle Rock, CO
Latitude/Longitude (NAD83)	39° 16' 38.0" N, 104° 48' 26.9" W
Satellite Point(s) of Communication	Intelsat 40e
Satellite Call Sign	S3066
Satellite Type	Geostationary
Satellite Location	91.0° W.L.