



28 October 2023

Mr. Ron Schulze  
Johns Hopkins Applied Physics Laboratory  
11100 Johns Hopkins Road  
Laurel, Maryland 20723

Dear Mr. Schultze:

Telesat has reviewed the high-level demonstration plans in support of NASA's Polylingual Experimental Terminal (PEXT) program. We understand that the objective of PEXT is to demonstrate the feasibility of seamless on-orbit user roaming across multiple commercial relay services in order to provide future Low Earth Orbiting science missions with the ability to transfer its science data in near real-time to the ground in lieu of solely relying on the Tracking and Data Relay Satellite Systems (TDRSS).

NASA is evaluating the use of commercial relay services as the TDRSS operational capability reaches its end of life. Telesat is planning to use the Blackjack/Croupier spacecraft which will be ready for launch no earlier than August 2024 in support of the planned PEXT demonstrations.

The PEXT/Croupier demonstrations will not require any transmissions from Croupier. Due care will be taken to avoid interference with other Ka-band relay service providers and ground stations. If it is determined that demonstrations between PEXT and Blackjack/Croupier are interfering with other Ka-band operations, Telesat will fully cooperate to make necessary adjustments.

Telesat's POC for this effort is Mr. Gerard Jansson who can be reached at [gerry.jansson@telesat-gs.com](mailto:gerry.jansson@telesat-gs.com) or by phone at 202.957.0146.

Sincerely,

Philip Harlow  
President