



Another Milestone for Telesat’s LEO Program – Manufacturing Teams Complete System Definition and Risk Management Phase

OTTAWA, CANADA and WASHINGTON, DC, May 6, 2019 – Telesat announced today that the two teams it contracted with to develop system designs for Telesat’s global low earth orbit (LEO) satellite constellation have successfully completed the System Definition and Risk Management Phase of the program. One of the teams is [Airbus Defence and Space](#). The other is a [consortium of Thales Alenia Space and Maxar Technologies](#), the owner of SSL and MDA.

Each team has significantly advanced their detailed designs for the complete LEO system. During this latest phase of the program, both contractor teams performed system optimization, requirements development, engineering trade-offs and technology prototyping to establish mature and compelling designs for Telesat LEO’s space, ground and user terminal segments.

“The goal of Telesat’s LEO program is to transform global communications by delivering a truly disruptive service, with fast broadband speeds and low latency, at the highest QoS ever provided over satellite. Based on the innovative system architectures developed by our two contractor teams, we’re increasingly confident our ambitious goal will be achieved,” said Erwin Hudson, Vice President, Telesat LEO. “These two outstanding teams, together with Telesat, have evaluated current and next-generation hardware, software, networking and system operations technologies from both established and emerging suppliers and have identified those that provide the greatest benefits for our customers. Telesat continues to collaborate with both teams and we look forward to selecting a prime contractor for the Telesat LEO program later this year.”

About Telesat LEO

Telesat’s LEO constellation will leverage the company’s global, priority spectrum rights in Ka-band and patent-pending LEO architecture to transform global communications. It will offer a combination of capacity, speed, security, resiliency and affordability with ultra-low latency that is equal to, or better than, the most advanced terrestrial networks. Able to serve the entire globe, Telesat LEO will help satisfy many of the world’s most challenging communications requirements. It will bridge the digital divide with fiber-like high speed services into rural and remote communities, accelerate 5G expansion and set new levels of performance for commercial and government broadband connectivity on land and in key maritime and aeronautical markets, which are among the fastest growing in today’s satcom industry.

About Telesat www.telesat.com

Telesat is a leading global satellite operator, providing reliable and secure satellite-delivered communications solutions worldwide to broadcast, telecom, corporate and

government customers. Headquartered in Ottawa, Canada, with offices and facilities around the world, the company's state-of-the-art fleet consists of 17 GEO satellites, the Canadian payload on ViaSat-1 and one Phase 1 LEO satellite which is the start of Telesat's planned advanced global LEO satellite constellation that will offer ultra-low latency, extremely high throughput, affordable broadband services. Telesat is also a leading technical consultant providing high value expertise and support to satellite operators, insurers and other industry participants on a global basis. Privately held, Telesat's principal shareholders are Canada's Public Sector Pension Investment Board and Loral Space & Communications Inc. (NASDAQ: LORL).

Forward-Looking Statements Safe Harbor

This news release contains statements that are not based on historical fact and are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. When used in this news release, the words "goal", "increasingly", "continues", "look forward to", "will", "pending", "growing", or other variations of these words or other similar expressions are intended to identify forward-looking statements and information. Actual results may differ materially from the expectations expressed or implied in the forward-looking statements as a result of known and unknown risks and uncertainties. Detailed information about some of the known risks and uncertainties is included in the "Risk Factors" section of Telesat Canada's Annual Report on Form 20-F for the fiscal year ended December 31, 2018 which can be obtained on the SEC website at <http://www.sec.gov>. Known risks and uncertainties include but are not limited to: risks associated with operating satellites and providing satellite services, including satellite construction or launch delays, launch failures, in-orbit failures or impaired satellite performance, the ability to successfully deploy an advanced global LEO satellite constellation, volatility in exchange rates and risks associated with domestic and foreign government regulation. The foregoing list of important factors is not exhaustive. The information contained in this news release reflects Telesat's beliefs, assumptions, intentions, plans and expectations as of the date of this news release. Except as required by law, Telesat disclaims any obligation or undertaking to update or revise the information herein.

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