

FMTV ALL-SEASON ARCTIC TIRES

PROJECT OVERVIEW

There is a significant maneuver gap absent an arctic tire designed for Arctic regions. Army units in Alaska have curtailed tactical vehicle movements to training areas due to serious safety concerns brought about by numerous accidents during the winter months, some involving civilian vehicles. This project aims to validate the performance of equipping Family of Medium Tactical Vehicles (FMTV) with all-season arctic tires for operation in severe cold environments, particularly in the Arctic regions.

BENEFITS

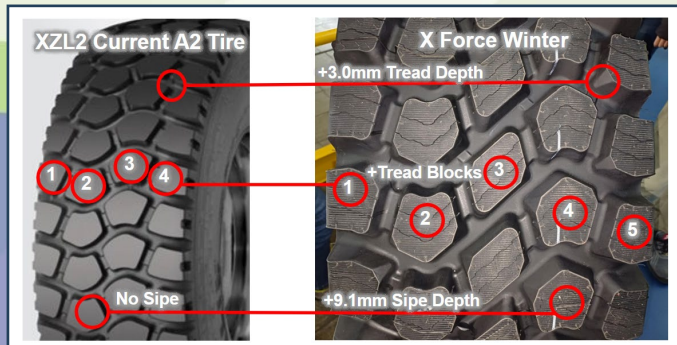
Successful completion will result in improved traction, handling, and overall safety in cold conditions. The increased capabilities in extreme environments directly leads to improved operational readiness and reduced risk to personnel.

PATH FORWARD

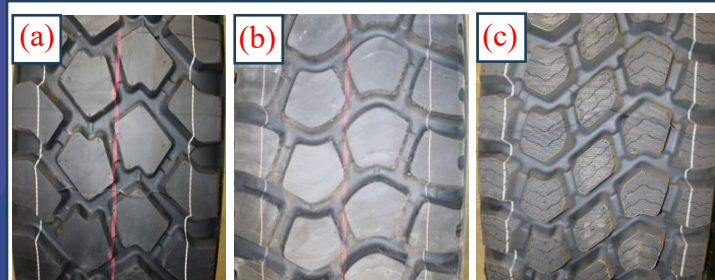
The Michelin all-season arctic X Force Winter tire will undergo performance and safety confirmation testing in warm and cold environments. They will be evaluated by users to assess handling and traction. Assuming an improvement compared to current methods, this will lead to rapid provisioning. Additionally, preliminary comparison cold weather performance testing will be performed using the Goodyear MV/T siped tire as a potential future candidate.



FMTV at Nevada Automotive Test Center (NATC)



Current All-Season FMTV Tire (Left) Compared to Proposed New All-Season Arctic Tire (Right)



(a) Current FMTV A1P2 tire (b) Current FMTV A2 tire (c) Proposed All-Season Arctic Tire

DoD Executive Agent

Office of the Assistant Secretary of the Army for Installations, Energy, and Environment

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FOR FURTHER INFORMATION

National Defense Center for Energy and Environment

<http://www.denix.osd.mil/ndcee/home>

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