

ITOP 2-2-619(1)

TRACKED-VEHICLE SOFT-SOIL MOBILITY

SCOPE

This document describes testing procedures required to assess comparative soft-soil mobility characteristics of tracked vehicles. Whereas operation over hard surfaces is normally not a mobility problem, off-road operation over soft terrain such as sand, loam, mud, snow and swamps usually does create locomotion difficulties of varying degrees. In a comparative sense, test-vehicle performance is quantified for soft-soil crossing capability in order to determine the most efficient track, suspension, and hull designs. Off-road mobility problems created by brush, trees and other obstacles are not covered by this procedure, nor is the interrelationships of maneuverability and mobility addressed.