

WINTER DRIVING ORIENTATION (WDO)









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> Driver and Supervisor Responsibilities

Driver Attitude and Preparation

Winterizing Cars

Distracted Driving

Winter Driving Video

(N/A until Facebook is accessible, again)





References (why WDO?):

>DoD Instruction 6055.04, DoD Traffic Safety Program

>AR 385-10, The Army Safety Program

>AR 600-55, Driver & Operator Standardization Program

>AE Reg 385-10, AE Safety Program Management plus many, many more ... AE Reg 385-55 ...

(Army & AE Regulations 350-series, Tech. Circular 21-305-series)

Executive Order 13513, 1Oct2009: "Federal Leadership on Reducing Text Massaging while Driving"



Introduction



National Highway Traffic Safety Association (NHTSA) Traffic Safety Facts 2015:

		Light Condition					
Weat Condit		Daylight	Dark but Lighted	Dark	Dawn or Dusk	Unknown	Total
Normal		13804	5275	7970	1269	67	28385
Rain		1016	521	819	100	8	2464
Snow/Sle	eet	251	39	141	30	4	465
Other		136	68	242	46	5	497
Unknowr	า	101	16	144	4	90	355
Total]	15308	5919	9316	1449	174	32166

NHTSA Traffic Safety Facts 2015 / # of Fatalities

More info at: https://www-fars.nhtsa.dot.gov/Crashes/CrashesTime.aspx

Source: U.S. DoT FARS (Fatality Analysis Reporting System)



Introduction



U.S. Army Privately Owned Vehicle (POV) statistics, FY2017:

Ground			Accidents			
Accident Type	Army Class	FY2017	FY2016	FY2015		
	A*	74	73	84		
2014	В	8	14	7		
POV	С	225	395	462		
	Total A-C	307	482	553		

* Army Class A = fatality, permanent total disability, or \$ damage \geq 2 million

Compared to 10 Army Motor Vehicle related Military Fatalities in FY17 (as of 10 October 2017, 04:00)



Driver and Supervisor Responsibilities



Look here for official road condition status: https://home.army.mil/roads/

WWW.IMCOM-EUROPE.ARMY.MIL

Installation Management Command - Europe



ROAD CONDITIONS

Welcome!

The table below shows the current status for dispatching TMP vehicles and driving conditions for garrisons and sites. CLICK HERE FOR NORE INFORMATION ON ROAD CONDITIONS TERNINOLOGY. The Weather Warnings section shows current and future weather advisories. Click on your site for additional information. Each garrison is responsible for updating TMP dispatch, driving conditions, status and weather conditions. For more information please contact your garrison Public Affairs Office. Weather Weathings: CLICK HERE

USAG Ansbach

Site	Driving Conditions	Weather Conditions	Status	Last Updated
ANSBACH	NON-HAZARDOUS	High 47F / Low 33F / Cloudy	Normal Schedule	NOV 15, 2018, 5:20 AM
MKAB ROMANIA	NON-HAZARDOUS	High 47F Low 39F	Normal Schedule	NGY 15, 2018, 7:14 AM
NSTA BULGARIA	NON-HAZARDOUS	High 52°F / Low 45°F Mostly Cloudy	N/A	NOV 13, 2018, 7:34 AM

USAG Bavaria

Site	Driving Conditions	Weather Conditions	Status	Last Updated
GARMISCH	NON-HAZARDOUS	Cloudy: H 47F/L 32F	Normal Operations	Nov 15, 2018, 9:18 AM
GRAFENWOEHR ONE COMMUNITY ROAD	NON-HAZARDOUS	Cléar: H 46F/L 98F Fúg w/ Decasional Mist	One Community Road is OPEN Netzaberg Hill Road is OPEN	Nov 15, 2018, 9:23 AM
GRAFENWOEHR/VILSECK	NON-HAZARDOUS	Clear: H 46F/ L 36F Fog W/ Occasional Mist	Normal Operations	Noy 15, 2018, 9:19 AM
HOHENFELS	HAEARDOLIS	Diouojy n 4367 L 377	AMEER	NOV IS, 2015, SHE AM

USAG Benelux

Site	Driving Conditions	Weather Conditions	Status	Last Updated
BRUSSELS (NATO HQ)	NON-HAZARDOUS	H: 59 / L: 37; Partly Cloudy	Normal Operations	Nov 15, 2018, 3:16 AM





GREEN:

Unrestricted vehicle dispatches are authorized

Road condition, visibility, and temperature are ideal

Drivers will observe normal precautions and speed limits





AMBER:

Road condition, temperature, and visibility are not ideal.

Unit commanders (CPT and above), directors and primary staff (S-1, S-2, S-3, S-4) will authorize dispatches under amber conditions.

Increased driving times, hazardous road conditions, and driver experience will be considered in dispatching vehicles.





RED > Only emergency missions are authorized. The dispatch record for mission essential vehicles will be marked "mission and emergency-essential."

Battalion level commanders, including Garrison commanders, will authorize dispatch of mission essential vehicles.

> A risk assessment will be completed prior to dispatching a vehicle!





BLACK:

Only emergency-essential vehicle dispatches are authorized. The dispatch record for emergency vehicles (police, fire, ambulance, and emergency engineer) will be marked "emergencyessential."

Chiefs of appropriate offices (provost marshal, fire, medical activity, and directorate of public works) and brigade level commanders, including Garrison commanders, and above will authorize dispatch of emergency vehicles.
 A risk assessment will be completed prior to

dispatching a vehicle!





Risikoanalyse fuer Dienstfahrzeuge bei Road Condition (einkreisen)	Amber Red	Black
Name of Operator/Name des Fahrers:		
Departure/Fahrbeginn: Date/Datum, Time/Uhrzeit:		
Route/Fahrstrecke: From/Von, To/Nach		
Type of Vehicle/Fahrzeugtyp:		
Operator/Fahrer:		
At fault traffic accidents within the past 2 years/Eigenverschuldete	Yes/Ja	10
Verkehrsunfaelle mit Dienstfahrzeugender innerhalb der letzen 2 Jahre?		
Licensed/Besitz der Fahrlaubniss	- 1 Year /Jahr	10
	- 2 Years/Jahre	5
	> 2 Years/2 Jahre	0
Winter Driving Experience/Wintererfahrung	0 Winter	10
	1 Winter	5
	> 2 Winter	0
Driving experience with this or similar vehicle/Gefahrene Km mit	-3000 Km	10
diesem oder aehnl. Fahrzeug	-10000Km	5
	>10000 Km	0
Vehicle Information/Fahrzeug:		
Type of Tires/Reifenart	Summer/Sommer	10
	All-Weather/Allwetter	5
	Winter	
Type of Vehicle/Fahrzeugart	Truck/Bus/LKW/Bus	10
	Pick-Up	5
	Sedan/Van/PKW	0
Type of Drive/Antriebsart	Rear/Heckantrieb	10
	Front/Frontantrieb	5
	4-WD/Allrad	0
Anti-blocking system (ABS)/Anti-Blockier System	No/Nein	5
	Yes/Ja	





Route/Strecke				
Distance to Destination/Entfernung zum Zielort		> 100 KM	10	
		20 - 100 KM	5	
		-20 KM	0	
Weather Forecast/Wettervorhersage (COC 354-6213)				
Weather Trend/Wetterentwicklung		Worse/Verschlechterung	10	
		Same/ keine Veraenderung	5	
		Better/Verbesserung	0	
Visibility/Sichtverhaeltnisse		Good/Gut (unbeeintraechtigt)	0	
		restricted (night, fog, etc.)	5	
		Schlecht (dunkel, neblig, etc.)		
Risk/Risiko		Result/Resultat:		0
low risk/geringes Risiko/ (0-25) medium risk/mittleres Risiko (3	0-50)	high risk/hohes Risiko (> 50)		
Operators under the influence of medicine, drugs, and/or ale Fahrer die unter Drogen-, Medikamenten- oder Alkohleinfluss steh Additional risk reduction measures.	cohol en, du	must not operate a vehicle! erfen kein Dienstfahrzeug fuehre	en!	
Zusaetzliche Massnahmen um das Risiko zu minimieren.				
Name and signature of supervisor/Name und Unterschrift des \	/orges	etzen:		
The trip is mission/emergency essential and can not be post Die Fahrt ist dienstlich notwendig und kann nicht verschoben werd		I.		
Risk accepted, driver will be dispatched.				
Das Risiko wird akzeptiert, die Fahrt wird angeordnet. Yes/Ja		No/Nein 🗌		
Name and signature of director/Name und Unterschrift des Abt	eilungs	sleiters:		



Road Condition Chart



Road Condition	Road Surface	Snow	Ice	Snow	Visibility Depth	Temperature
Green	Dry	(1) None (2) Blowing Powder	None	None	More than 50 meters	Above 35F (+2C)
Amber	Wet	*Packed *Slush	*Patches *Black ice *Slush	*Less than 4 inches	*Between 20 and 50 meters	30F (-1C) to 35F (+2C)
Red	*Flooded	*Drifting	*Sheet ice	*> 4"	*< 20 m	< 30F (-1C)
Black	*Heavy Flooding	*Heavy Drifting	*Extreme Sheet Ice	*> 8"	*< 15 m	< 10F (-12C)

When <u>one or more</u> of the road condition factors <u>marked with an asterisk</u> are noted, then the corresponding road condition must be declared.

See AE Regulation 385-55, Prevention of Motor Vehicle Accidents, 13Feb2006, Appendix H, for more exact definitions.



Road Condition Chart



1			JR Reg			5
Road Condition	Road Surface	Snow	Ice	Snow Depth	Visibility	Temperature
GREEN	Dry	None or blowing powder	None	None	More than 50 meters	Above 35F (+2C)
AMBER	Wet	Packed slush	Patches of black ice and slush	Less than 4 inches	Between 20 and 50 meters	Between 30 (-1C) and 35 (+2C)
RED	Flooded	Drifting	Sheet ice	Between 4 and 8 inches	Between 15 and 20 meters	Between 10 (-12C) and 30F (-1C)
BLACK	Heavily flooded	Heavy drifting	Extreme sheet ice	More than 8 inches	Less than 15 meters	Less than 10 (-12C)





Note: Drivers of military vehicles transitioning through USAG Installations, that have declared Black or **Red** road conditions, shall consult their chain of command and re-evaluate the risk of continuing the mission.

Weather and road conditions will be part of all mission risk management decisions.





- Road conditions unsatisfactory: reconsider need for trip
- If the trip is essential, consider transportation other than an AMV or POV (if feasible).
- Driver: well rested / no alcoholic beverages 8 hours before and *while* driving.
- Driver and passengers will wear seatbelts.
- Driver: use techniques to compensate for other drivers and for weather and road conditions.

(excerpts from AE Regulation 385-55, Prevention of Motor Vehicle Accidents; Appendix D, Winter Driving Orientation)







Driver Attitude and Preparation





- Drivers should refresh their memories about past winterdriving experiences.
- Get the feel for the road. Try <u>brakes</u> occasionally or gently depress the accelerator while driving. Rising temperatures increase the slipperiness of ice and snow. Drivers should adjust speed accordingly.
- Increase <u>following distance</u>. Winter surfaces require stopping distances 3 to 12 times longer than dry surfaces. (remember the <u>worst case</u>: icy roads with increasing temperatures at/or just above freezing = thin water layer on ice = extremely long braking distance)
- See and be seen. Do not be a "peephole" driver. Make sure all lights and windows are clean.







Winterizing Cars

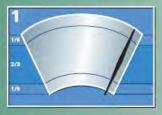


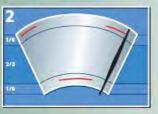
SEE & BE SEEN



Windshield wipers: ok (1, 2); recommended to change (3,4,5); & highly recommended to change wipers (6,7,8) [Red marks indicate streaks on front windshield]

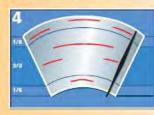
Keine Beanstandung, wenn:

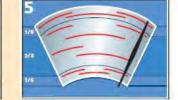




Neue Wischer empfehlenswert, wenn:







Neue Wischer zwingend erforderlich, wenn:







- 1 keine Streifenbildung auftritt
- 2 maximal 3 bleibende Streifen im äußeren Sichtfeld auftreten
- 3 maximal 1 bleibender Streifen im zentralen Sichtfeld auftritt
- 4 maximal 4 bleibende Streifen im äußeren Sichtfeld oder maximal 12 nicht bleibende Streifen im gesamten Sichtfeld auftreten
- 5 maximal 6 bleibende Streifen im äußeren Sichtfeld oder viele bleibende / nicht bleibende Streifen gleichmäßig verteilt auftreten
- 6 bleibende Wasserflächen in allen Bereichen auftreten
- 7 Schleierbildung auftritt
- 8 Rattermarken auftreten

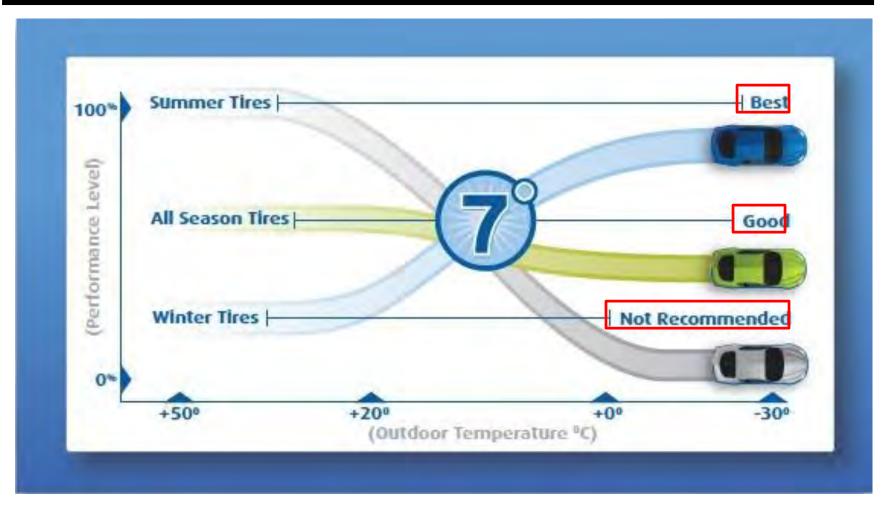


Source: http://www.gtue.de/sixcms/media.php/374/licht-sicht-ratgeber_2011-07.pdf



Which tires for which temperature ranges





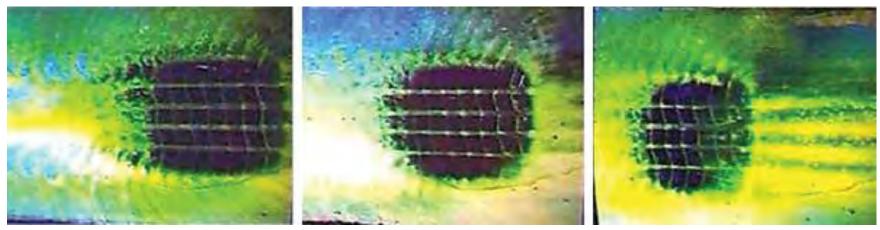
7° Celsius $\approx 45^\circ$ Fahrenheit

Summer tires best > 45F / All Season = compromise / Winter tires < 45F



Hydroplaning





Losing its grip

These photos from beneath a moving tire show how even new tread is likelier to hydroplane as speed increases. At 20 mph (left), tread has full contact with the road surface. Hydroplaning begins at 40 mph (center) and gets worse by 60 mph (right). Shallow tread grooves increase the risk of hydroplaning.

Pay attention to these traffic signs:





This is a supplemental sign which you see in conjunction with a speed limit sign, only. "Bei Nässe" = When wet



Winterizing Cars



Tires.

- Winter tires mounted before the first snowfall/icy roads
- Unevenly worn tires may result in skids.
- Each tire must have an even tread of the required amount.
 - 1.6 mm vs. 4 mm respectively
 - > 1/16" vs. 5/32" // legal minimum vs. performance based minimum
- Tires must be inflated to the proper pressure; low pressure may increase the tendency of the vehicle to skid or slide.
 - Rule of thumb: drop of 10 degrees Fahrenheit = 1 psi less in tire pressure
 - Check inflation at least monthly, better weekly (cold tire!)
- Brakes. properly adjusted and inspected





Winterizing Cars



The following sentence was inserted into the German Traffic Ordinance:

"Equipment of vehicles must be **adjusted to the weather condition**. This includes adequate Tires (Winter Tires or All Season Tires) and antifreeze in the Windshield Wiper Tank."

situation-based requirement

tri-peak-mountain/snowflake symbol, also called Alpine symbol (in Europe) ► M&S vs.

Most current change in German Traffic Ordinance as of 2017: Tires manufactured after 2017 must have alpine symbol to be accepted as winter tire. M&S tires manufactured before 2018: still acceptable as winter tires until end of September 2024. Remember the DOT information? i.e., <u>2916 = week # 29 in 2016</u> ("tire language") <u>0718 = week # 7 in 2018</u>





Adequate tires for the road situation (snow, ice, etc.)!

Definition: It does not mean that you shall equip your vehicle with winter tires [M&S, and/or \bigwedge]. A set of new summer tires or all season tires might be adequate. Of course, it depends upon where you plan to go to, and present or forecasted weather conditions. If your vehicle is not equipped with winter tires (minimum: M&S, better: 🖄) and the road is covered with snow and/or ice, you shall not operate your **vehicle** but use alternative transportation. If you endanger other road users, cause a traffic jam or an accident due to inadequate tires (summer tires) you'll be held liable and will be fined – even worse in case of an accident.

0€ vs 60€/100€/120€ + 1 traffic point assessed! endangerment / jam / accident





Our "road condition system" (green/amber/red/black) is a good indicator for when to park the private vehicle, too. Recommendation, only; this is not a card blanche to not go to work – check with leadership/management, first.



Violators (inadequate tires/reduced sight due to frozen windshield washer fluid/no tire chains where required by signs & conditions) will be fined and your vehicle insurance will be in jeopardy.















EUROPE

VS.





Date of tire manufacture, for example: 0404 = week 4 of 2004 // 2709 = week 27 in 2009





Tread Wear Indicators (TWI) are elevated rubber markers within the tire grooves:

"Regular" TWI at 1.6 mm / 1/16"; = minimum legal tread depth / these regular TWIs can be found on summer, all-season/all-weather, and on winter tires.

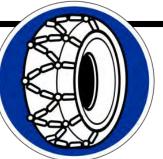


Winter tire: additional set of TWIs at 4 mm – 5/32" (performance-based minimum) Usually these winter TWIs are marked on tire sidewall (by snow crystal or similar indicator)



Winterizing Cars





> Tire Chains.



(1) Tire chains offer increased traction, reduced stopping distance, & more protection from skids than any other device. Note - max. authorized speed: 50 kph or 30 mph
(2) Life and performance of tire chains are improved by proper application. Twice the mileage may be obtained by applying them snugly according to mounting instructions.

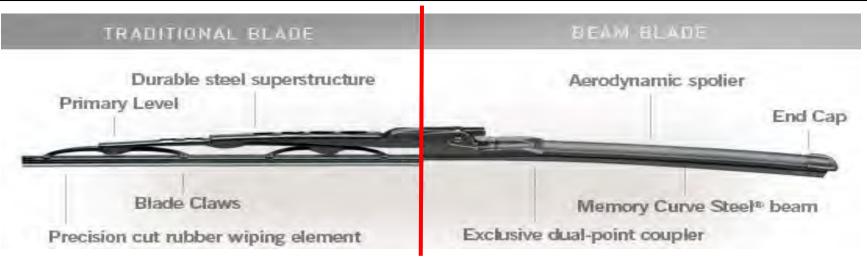
Windshield Wipers. Wiper blades should operate with enough pressure to remove rain, sleet, and snow from the windshield without streaking. The windshield spray bottle should be full and <u>shall</u> be protected from freezing.





Winterizing Cars









Sample websites:

US: http://www.tricoproducts.com/Drivers/UnderstandingWipers/Wipers101

Germany: http://www.gtue.de/sixcms/media.php/374/licht-sicht-ratgeber_2011-07.pdf





- Heater and Defroster. This equipment must be able to keep the windshield and windows clear.
- Muffler/Exhaust System. This system must be free from leaks to protect against carbon monoxide (CO) poisoning. Running vehicle engines in confined spaces or sitting in closed, parked cars with the engine running can be fatal. Remember: CO is color- and odorless!!!
- Windshield. No cracks or chippings in the field of vision, no sand-blast effect (causing glare)









- Antifreeze. The cooling system may require flushing, all connections tightened, and antifreeze added. The radiator and hoses should be checked for leaks. Also: check windshield washer fluid reservoir/add sufficient antifreeze in time.
- Winter Tune-up. A winter tune-up may be essential for coldweather starting and preventing stalls of older cars – modern cars have electronic components which don't require tune- ups.
- Battery. The battery must be in good condition (properly charged, cells filled, terminals clean and tight, free from cracks and corrosion, no "crystal build-up" on terminals).











 BATTERY
 ANTIFREEZE
 WIPERS & FLUID
 IGNITION SYSTEM
 THERMOSTAT
 LIGHTS
 ALL SEASON (M&S) OR WINTER TIRES



HAZARD LIGHTS
 EXHAUST SYSTEM
 HEATER
 BRAKES
 DEFROSTER
 OIL LEVEL
 TRANSMISSION



WINTER CAR KIT

VASHER FLUID

FIRST AID



- WARNING TRIANGLE
- WINDSHIELD WASHER FLUID
- REFLECTIVE SAFETY VEST
- FIRST AID KIT
- SNOW BRUSH W/ SCRAPER
- FLASHLIGHT W/ BATTERIES
- BLANKET
- MITTENS, SOCKS & HAT
- SMALL SHOVEL
- SACK OF SAND OR KITTY LITTER
- JUMPER CABLES



WINTER CAR KIT



- WARNING TRIANGLE *
- WINDSHIELD WASHER FLUID *
- REFLECTIVE SAFETY VEST *
- First Aid Kit *

* = mandatory items (legally required in Germany, besides proper tires)

- SNOW BRUSH W/ SCRAPER
- FLASHLIGHT W/ BATTERIES
- BLANKET
- MITTENS, SOCKS & HAT
- SMALL SHOVEL
- SACK OF SAND OR KITTY LITTER
- JUMPER CABLES









More tire info



Some exemplary websites for more information about winter tires:

https://www.tirerack.com/winter/tech/index.jsp

http://www.consumerreports.org - look for 'winter tires'



https://www.adac.de/infotestrat/reifen/winterreifen/default.aspx

"In 1999, The U.S. Rubber Manufacturers Association (RMA) and the Rubber Association of Canada (RAC) agreed on a performance based standard to identify passenger and light truck tires that attain a traction index equal to, or greater than 110 (compared to a reference tire which is rated 100) during the specified <u>American</u> <u>Society for Testing and Materials traction tests</u> on packed snow. The new standard helps ensure that drivers can easily identify tires that provide a higher level of snow traction." (Source: ASTM Standards F1805 [vehicle] and E1136 [test tire])





WET DRY WINTER/SNOW COMFORT Series of the se Heartogia And Store and being Sec. of Contraction Total Miles Reported Passenger All-Season Goodyear Assurance TripleTred All-8.6 8.6 8.0 7.1 7.5 8.4 7.9 1 100% 6.5 8.8 9.E G 11 6.7 4,403,059 Season Goodyear Assurance ComforTred 2 97% 6.8 8.0 8.0 7.9 8.6 7.8 7.2 6.6 6.5 3.6 8.6 7.5 20.300.494 Michelin Energy Saver A/S з 89% 8.1 4.8 8.3 7.8 8.1 2,596,719 7.6 7.4 7.7 8.4 5.8 4.7 6.1 Goodyear Assurance Fuel Max 6.2 5.4 5.0 3,777,680 84% 7.2 7.2 7.3 8.0 7.2 7.2 6.6 6.9 4 4.7 Firestone FR710 5.0 6.8 8.0 7.6 6.0 5.2 4.6 7.5 6.8 7.2 4,781,449 5 84% 8.7 7.4 Yokohama AVID S34F 5.5 5.3 6.9 6 81% 4.4 5.9 6.2 7.2 6.8 7.4 6.2 8.2 7.9 235,830 5.5 4.8 5.5 Michelin Energy LX4 7 80% 4.5 6.4 6.6 7.2 7.7 7.4 4.8 7.4 6.8 16,931,718 Bridgestone Insignia SE200 5.6 5.8 6.1 7.0 6.3 3.8 3.9 8.3 5.8 8 70% 4.0 4.7 6.6 6,156,656 Yokohama AVID S34D 5.9 350,560 9 70% 6.3 7.9 7.9 7.9 4.9 3.7 3.5 5.8 4.1 3.8 Goodyear Integrity 10 64% 3.0 4.7 4.9 5.4 6.5 5.8 4.3 3.7 3.5 6.4 8.0 5.5 58,602,948 Dunlop SP31 A/S 11 58% 5.1 5.2 5.8 6.7 6.0 3.5 5.1 4.7 4.0 3,739,696 6.5 Yokohama AVID S33 12 55% 3.8 2.7 5.3 6.4 6.6 7.1 4.3 319,600 Color Key Info based on consumers completing Tire Rack's online survey "10" is the highest. See key below or read detailed descriptions of survey categories. Tire Performance Ratings: Excellent 6.6-8.5 Good 4.6-6.5 Fair 2.6-4.5 Unacceptable 0-2.5

Superior 8.6-10

Would buy again? Definitely 8.6-10

Probably 6.6-8.5

Possibly 4.6-6.5

Probably Not 2.6-4.5

TIRE PERFORMANCE RATINGS

Definitely Not 0-2.5



Antrieb

Reifen

Motorsport

https://www.adac.de/infotestrat/tests/reifen/winterreifen/2017 winterreifen 195 65 r15.aspx

Sample of a German ADAC Tire Test 2017



Unfall, Schäden & Panne im Detail Videos Hintergrund Rechtsberatung Tanken, Kraftstoffe & Kraftstoffverbrauch **Umwelt & Innovation** Geräusch/Komlon ADAC Urteil Nete: Preis (Euro) Technik & Zubehör Trocken Schnee Mobil mit Behinderung Nass Motorrad & Roller Eis Hersteller/Modell ADAC im Einsatz 47 -- --4.7 **Oldtimer & Youngtimer** Gewichtung 15% 30% 20% 10% 5% 10% Mobilität 2040 **ADAC tire testing is** Continental WinterContact 74 + + 0 + TS860 similar to the ASTM 0 ADAC Mitglied werden Esa+Tecar Super Grip 9 49 + + + + 0 Kleber Krisalp HP 3 63 + + + + + [‡]procedure, while "Tire 01 + 0 + Dunlop Winter Response 2 73 0 ++ *Rack's online survey" + O^1 0 Goodyear UltraGrip 9 74 0 + ++ Hankook i*cept RS 2 W452 0 O^1 Θ + 59 + O + ois based on subjective Vredestein Snowtrac 5 64 0 + 0 0 ÷ Θ + [°]ratings, only. Yokohama W.drive V905² 58 0 + 0 + Θ + + 01 Θ + Falken Eurowinter HS01 59 0 0 0 0 Firestone Winterhawk 3 O^1 59 0 + 0 + 0 + + Nokian WR D4 O^1 Θ 0 65 0 + + + + 0 O^1 0 ++ Michelin Alpin 5 77 + + 0 0 O^1 Aeolus SnowAce 2 AW08 50 0 + 0 + 0 + 0 01 Kumho WinterCraft WP51 57 0 + 0 + Θ + + Sava Eskimo S3+ 60 0 O^1 0 ++ + + Θ^1 0 Semperit Master-Grip 2 63 O 0 + Auswahl vergleichen

1 Führt zur Abwertung in der Gesamtnote

2 Laut Anbieter ist inzwischen ein Nachfolgemodell verfügbar





- Winter tires are worth it
- In traction we trust
- Never forget the pressure
- Tread depth matters
- Extra room & don't tailgate
- Remain a smooth operator



SUMMARY-Remember these Winter Tips*:

LIFE



* Thanks to a creative mind at "Tire Rack"

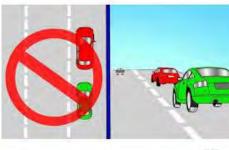
- Winter tires are worth it
- In traction we trust



• Never forget the pressure Check at least monthly

Psi – bar – hPa - atm

- Tread depth matters Legal vs. Recommended min. tread depth
- Extra Room & don't tailgate
- Remain a smooth operator



riki



more at US Army

SUMMARY-Remember these Winter Tips:



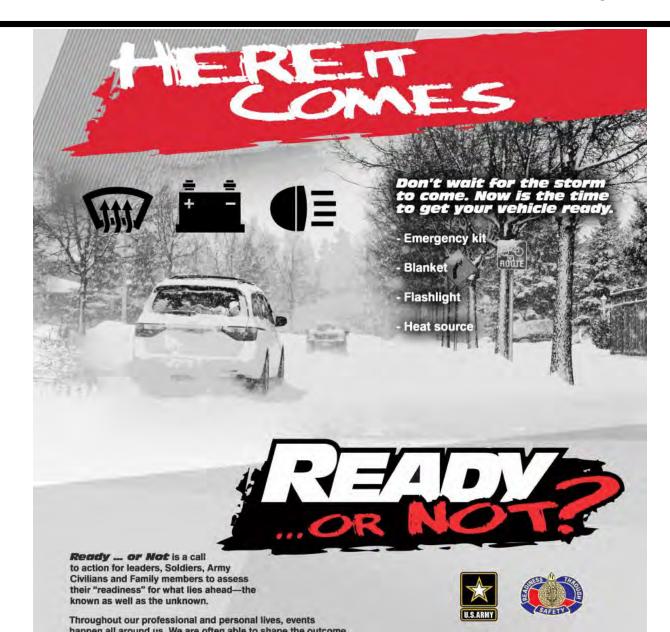
HEREN - Accelerate and decelerate slowly - Increase your following distance eight to 10 seconds to provide more room to stop Sample safety poster; - Know your brakes - Don't power up hills and don't stop while going uphill unless necessary - Take a fully charged cellphone, food, water and warm clothing Safety Center (CRC) - Don't go out unless absolutely nessessary ...OR Ready ... or Not is a call to action for leaders, Soldiers, Army Civilians and Family members to assess their "readiness" for what lies ahead-the known as well as the unknown. U.S.ARMY ARMY STRONG https://safety.army.mi Throughout our professional and personal lives, events

happen all around us. We are often able to shape the outcome



SUMMARY-Remember these Winter Tips:









- Distractions now join alcohol and speeding as leading factors in fatal and serious injury crashes.
- Hands-free devices offer no safety benefit when driving.
- > Hands-free devices do not eliminate cognitive distraction.

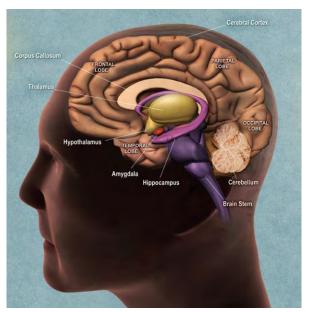


Figure 1. Inattention blindness and encoding. Source: National Safety Council





- Driving while talking on cell phones handheld and handsfree – increases risk of injury and property damage crashes fourfold.
- > Drivers believe their own crash risk is lower than other drivers.



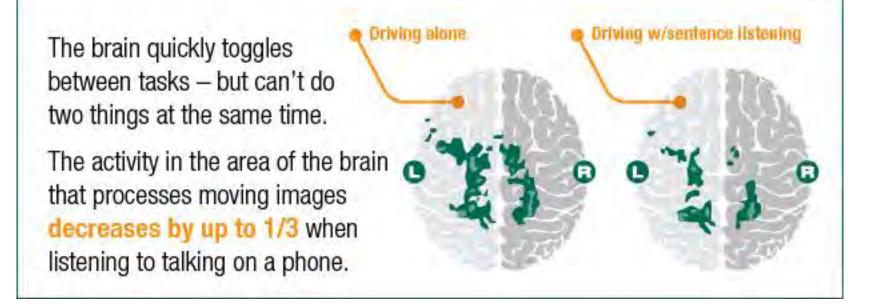
The four lobes of the brain. Source: National Institutes of Health



Driver Distraction



MULTI-TASKING: THE BIG FAT MYTH





Driver Distraction/Field of Vision



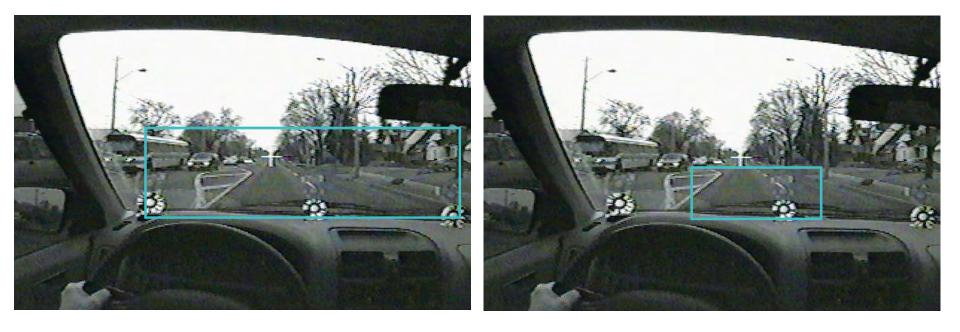


Figure 4. Where drivers not using a hands-free cell phone looked. Source: Transport Canada Figure 5. Where drivers using a hands-free cell phone looked. Source: Transport Canada



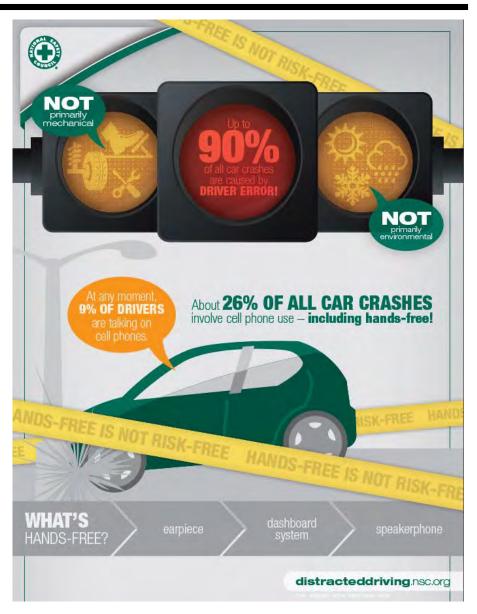
Driver Distraction





Take the **Focused Driver** Challenge An estimated 1 in 4 crashes involve cell phone distraction, handheld or hands-free. Choose to drive cell free.









Questions?



If you see this sign you're in Canada!

Note: in Austria, M+S tires are mandatory from 1Nov – 15Apr with ≥ 4mm tread depth





Winter Driving Safety V

https://www.youtube watch?v=TZQXuWzBC18

Note: try Mozilla Eⁱ MS Internet Explorer doesn't work Disregard as long as 'youtube' is not accessible

Final comment:



for those who attended the 2017townhall – remember "boot eats high heel"?

I have an add-on to it:

When you're driving and the road is icy or snow covered, and you're torn between "slow down/adjust to road conditions" and "time pressure/I must make it in time to that meeting/appointment, or start of work": use an improvised acoustical picture, like that old Beatles song "All you need is love", just replace 'love' with 'grip', and sing the song: ou need is grip, dabadabadu, all you need is grip, grip, ... grip is all you need ..." And I bet you this song and the reminder of the 'heel-hungry-boot' will help you to slow down ...