



Survivability

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*Ubique quo fas et gloria ducunt
- Where ever duty and honour leads us*

Agenda

- Importance of survivability
- Difficulties in cold weather
- Methods and techniques
- Time: 30 minutes



Arctic climate and cold weather often stresses the need to dig in

- Arctic climate often features less vegetation and therefor less concealment, if u need to stay in the fight you need to dig in.
- Frozen ground does not absorb as much of the shockwave in forexample artillery grenades as it does in normal ground.
- Snow does absorb the shockwave if there is snow, and snow itself can be used for protection.



Difficulties in survivability in cold climate

- To dig in the frozen ground can be a timeconsuming and tiring job.
- It harsh on machines and eqiuptment making maintenace and skilled personell a key factor
- text



How to get dug in

- Penetrate the layer of frozen ground with machines, preferably ripper tooth.
- Penetrate the layer of frozen ground with explosives, regarding both obstacles and protective works.
- Utilize the snow for camouflage and protection.
- Time consuming (Key planning factor)
- When the ground goes from being to frozen to thawed, the soil will lose its structure and you must prepare for heavy maintenance on your positions.

Serial	Description	Minimum thickness for protection (m)
(a)	(b)	(c)
1	Newly fallen snow (no wind)	4.0
2	Wind-driven snow	3.0
3	Packed snow	2.0
4	Frozen snow/water mixture (snow-crete)	1.2
5	Ice concrete	0.4



Orientation ends Questions? (10 minutes maximum)



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