

Obscured view from combat vehicles

Traffic education center project

Training Command – Military Academy



Research carried out by these entities

- CENTRE OF TRAFFIC EDUCATION AND TRAINING
- TRAINING COMMAND – MILITARY ACADEMY
- UNIVERSITY OF DEFENCE - FACULTY OF MILITARY LEADERSHIP



Obscured views

traffic accidents - deaths, injuries, property damage

dangerous situation - the driver can see other participants too late

We place great emphasis on this issue already in driving training at CDV (Centre of traffic education)

LIGHT ARMORED VEHICLE IVECO 4X4



ARMORED TRANSPORT VEHICLE DINGO 2 CZ



INFANTRY FIGHTING VEHICLE PANDUR II 8X8 CZ

The objectives of the experiments

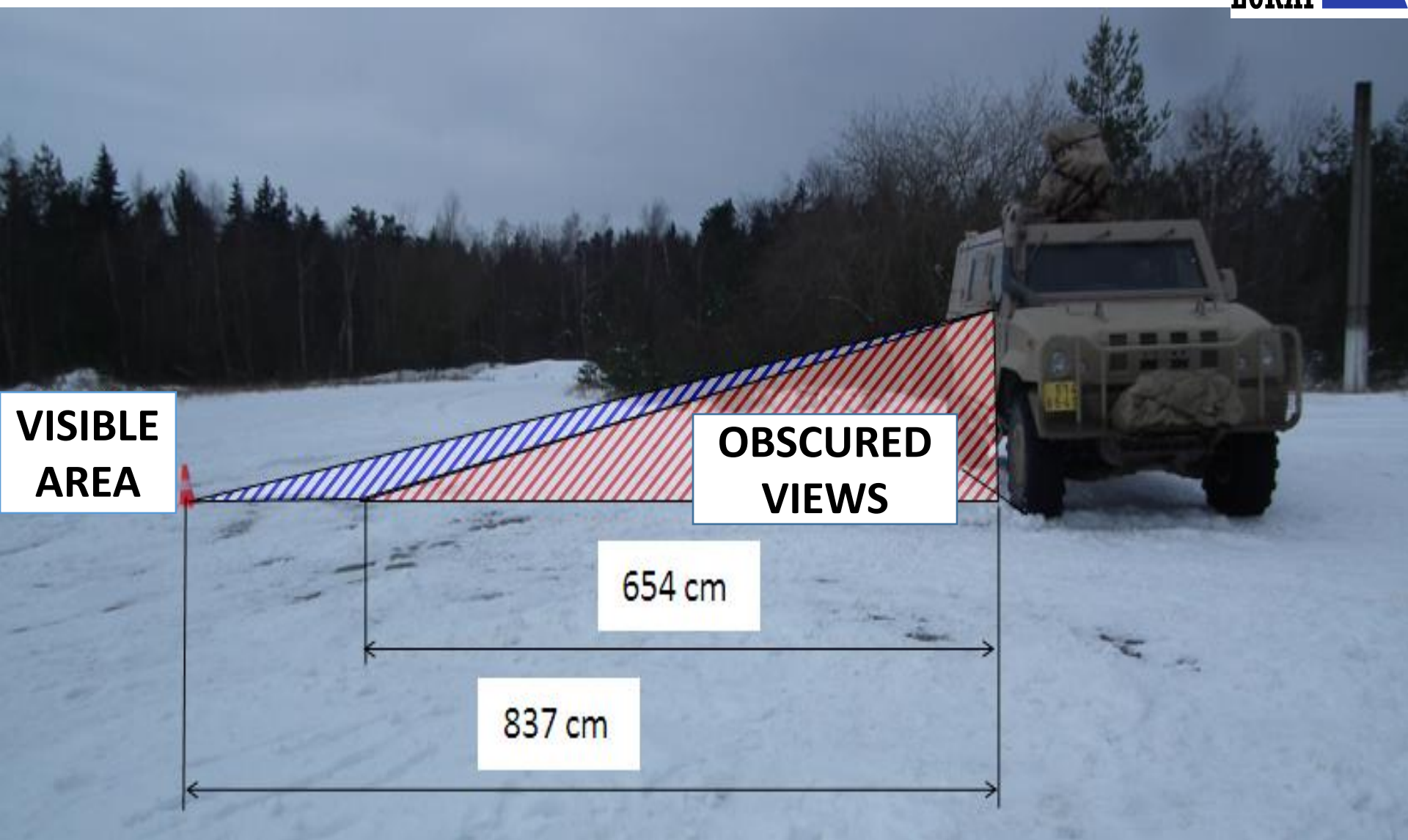
- explore specific obscured views of the driver next to vehicles and in front of the vehicle and the overall shape of the obscured view area.
- describe the visible areas of indirect view through mirrors or cameras.
- implementation into practice - during the preparation and improvement of professional drivers of Czech Armed Forces

Technical data about drivers

- 5 drivers
- body height– from 172 to 190 cm

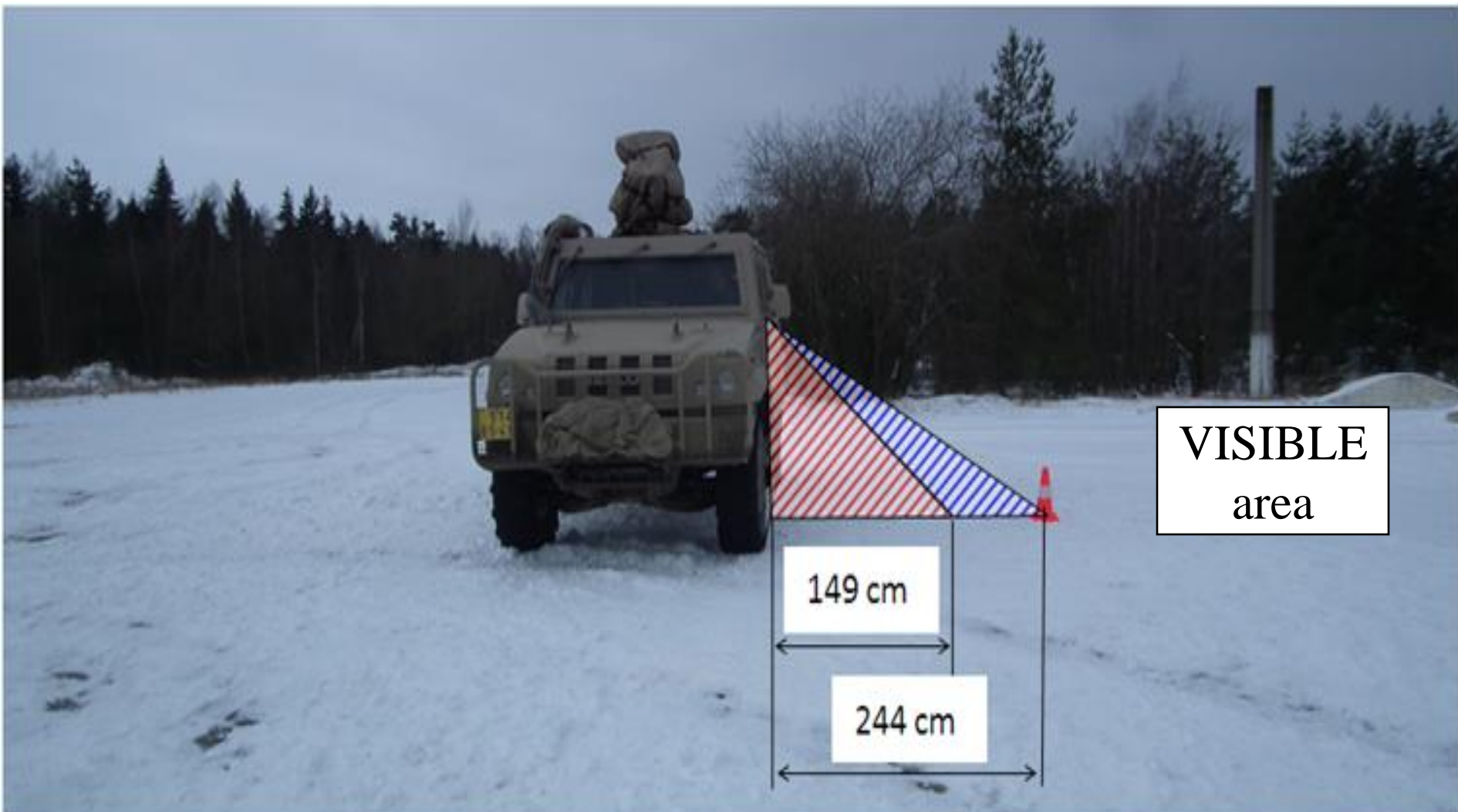


IVECO



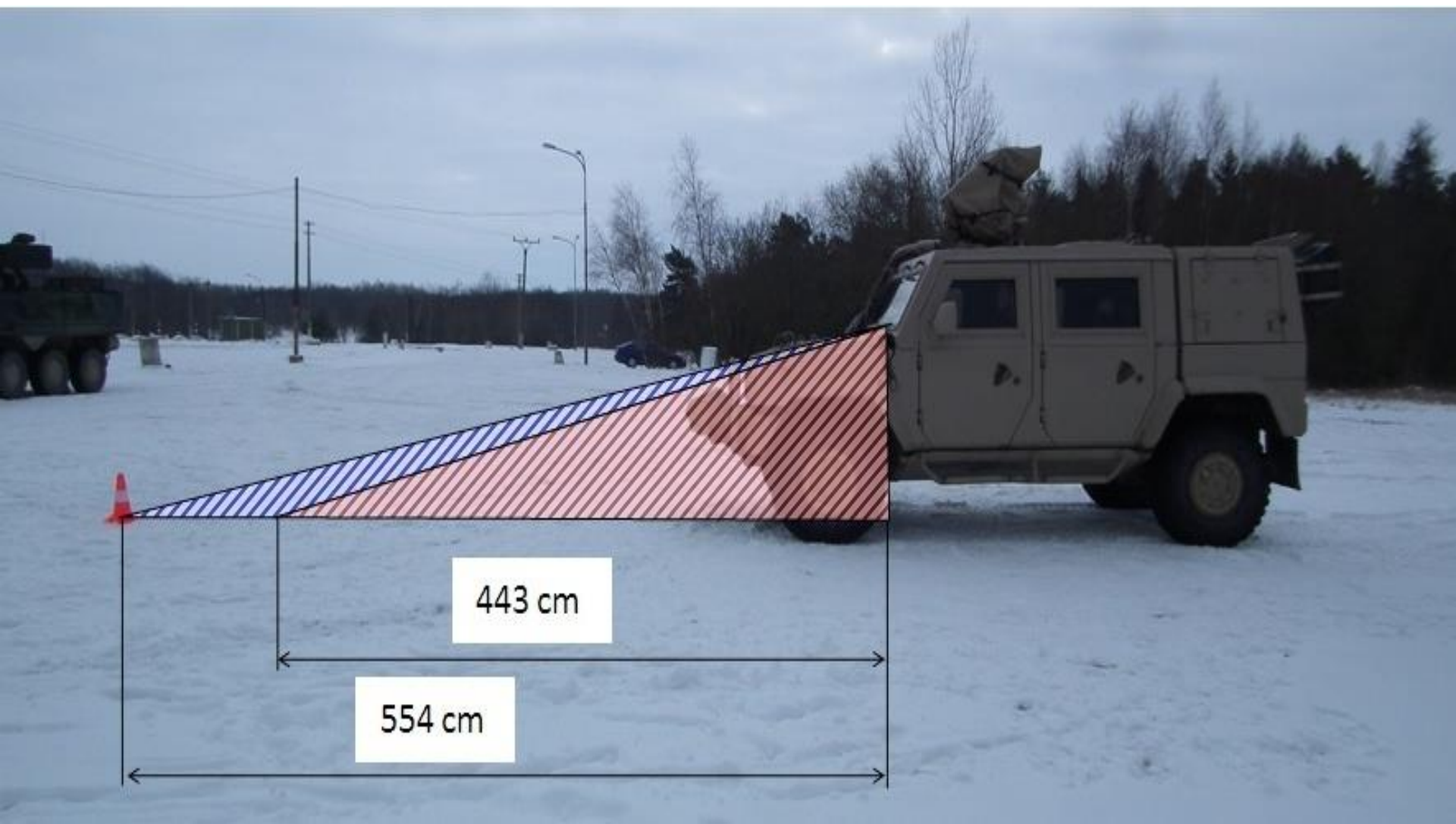


IVECO





IVECO





Iveco





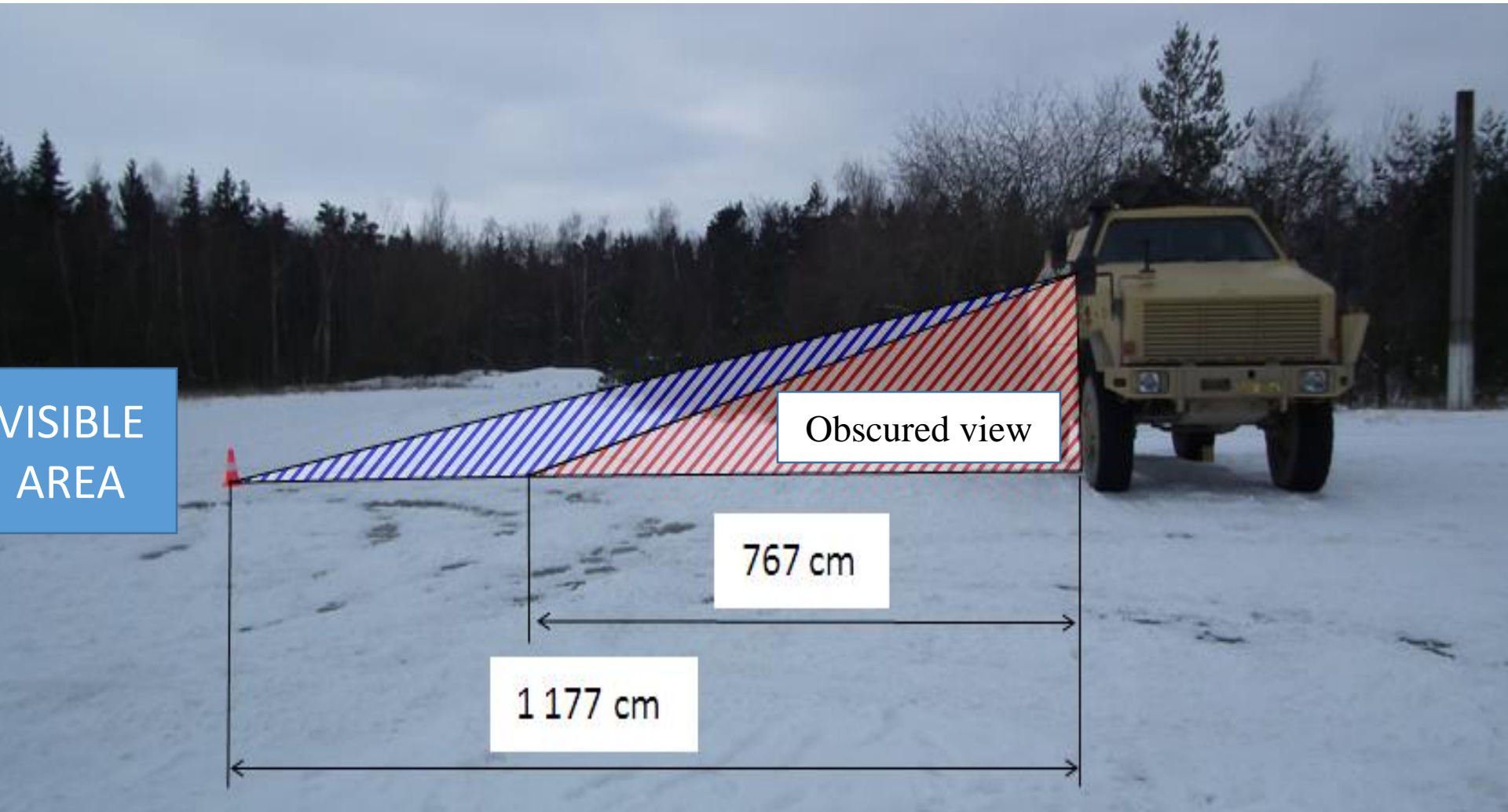
Dingo 2 CZ

VISIBLE
AREA

Obscured view

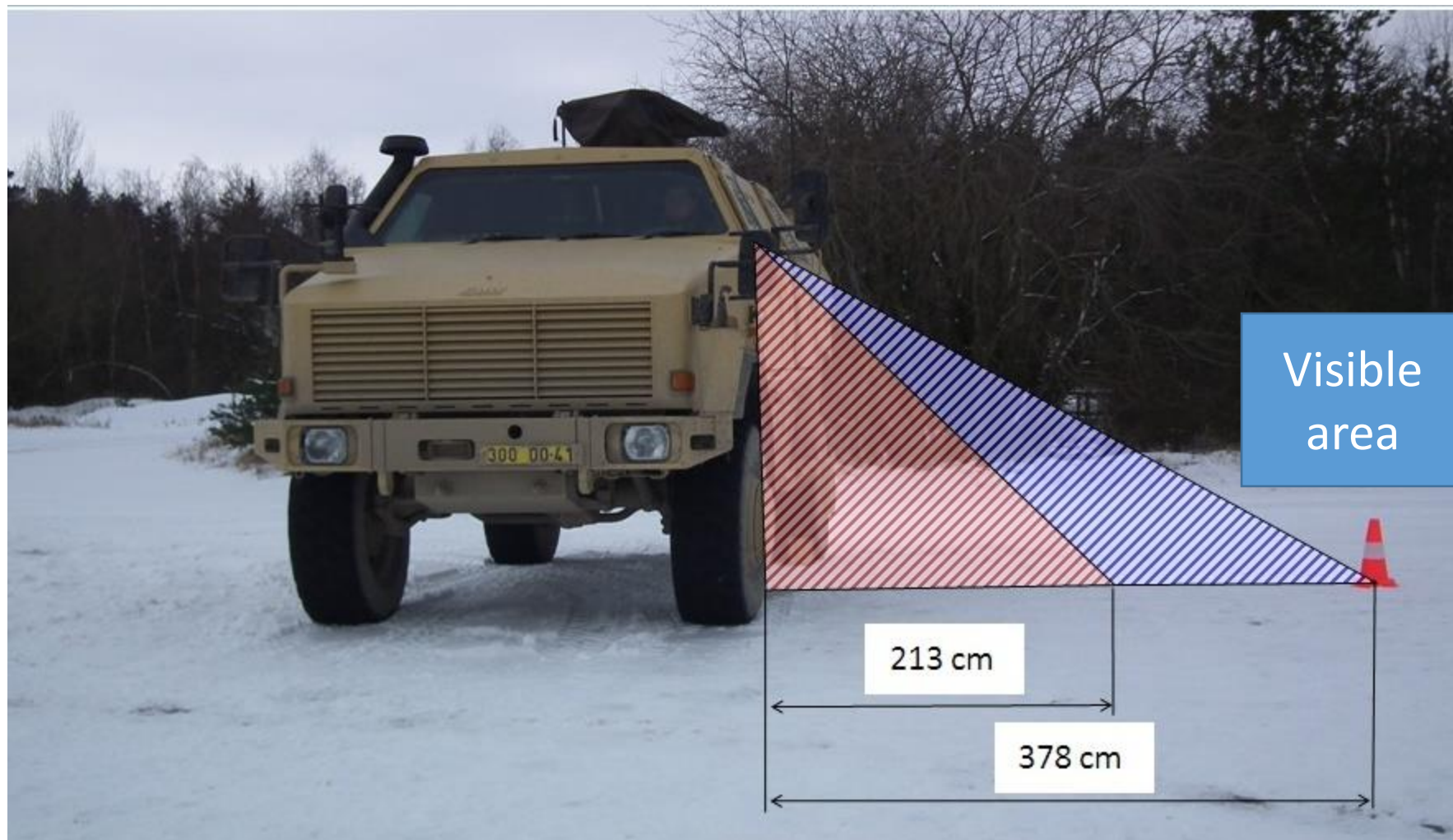
767 cm

1 177 cm



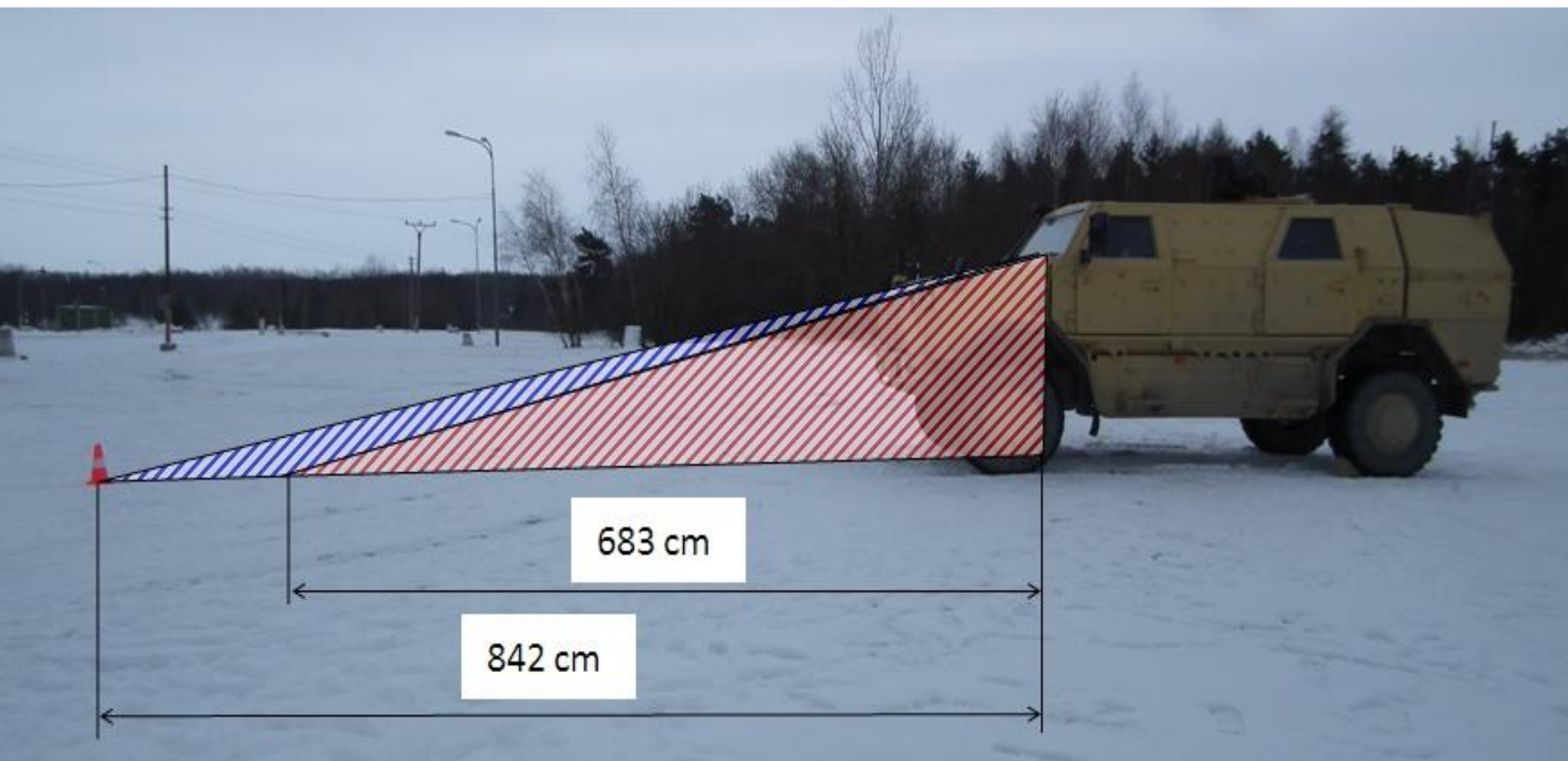


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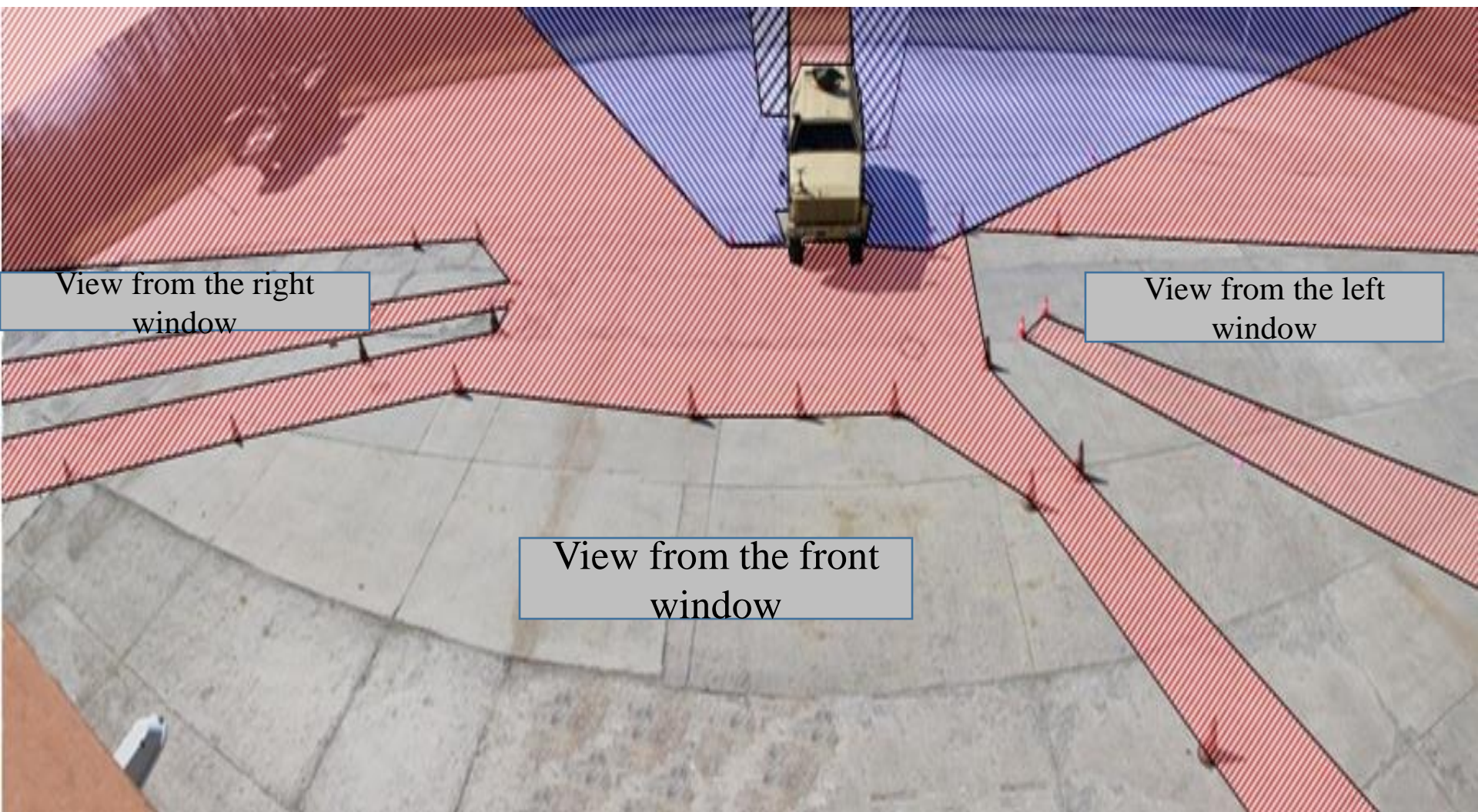




Dingo 2 CZ



Dingo 2 CZ

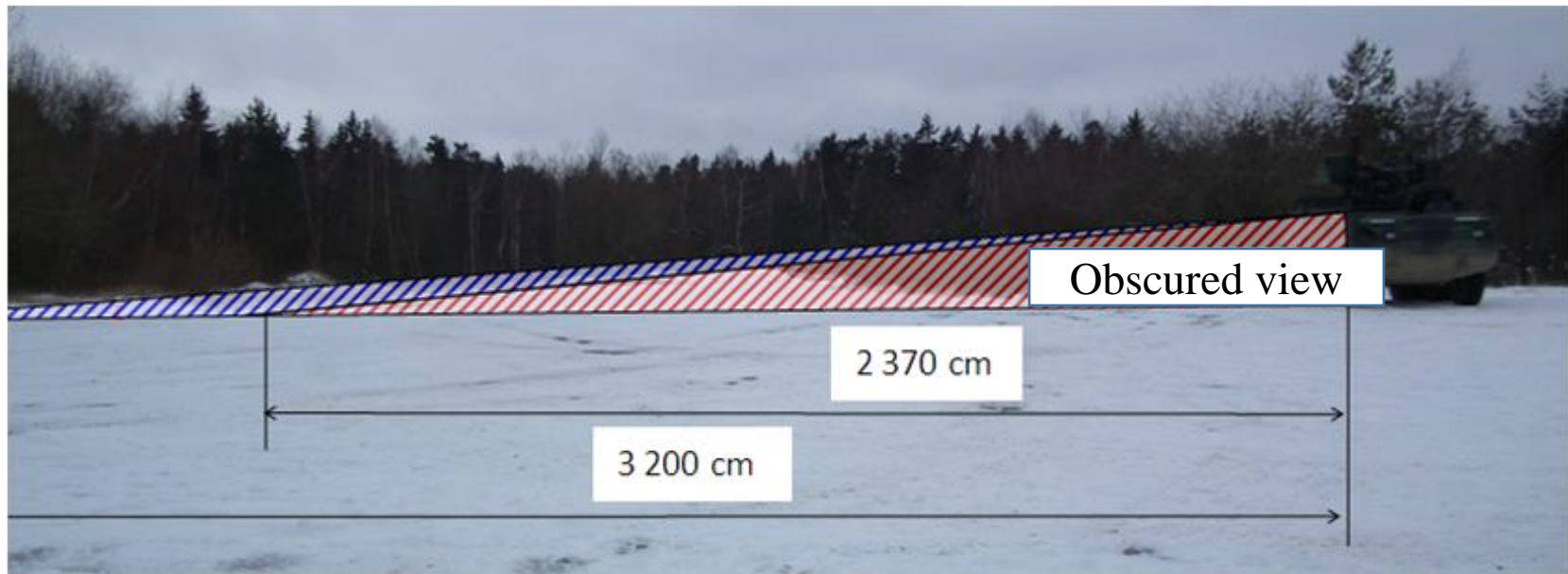


Pandur – marching position



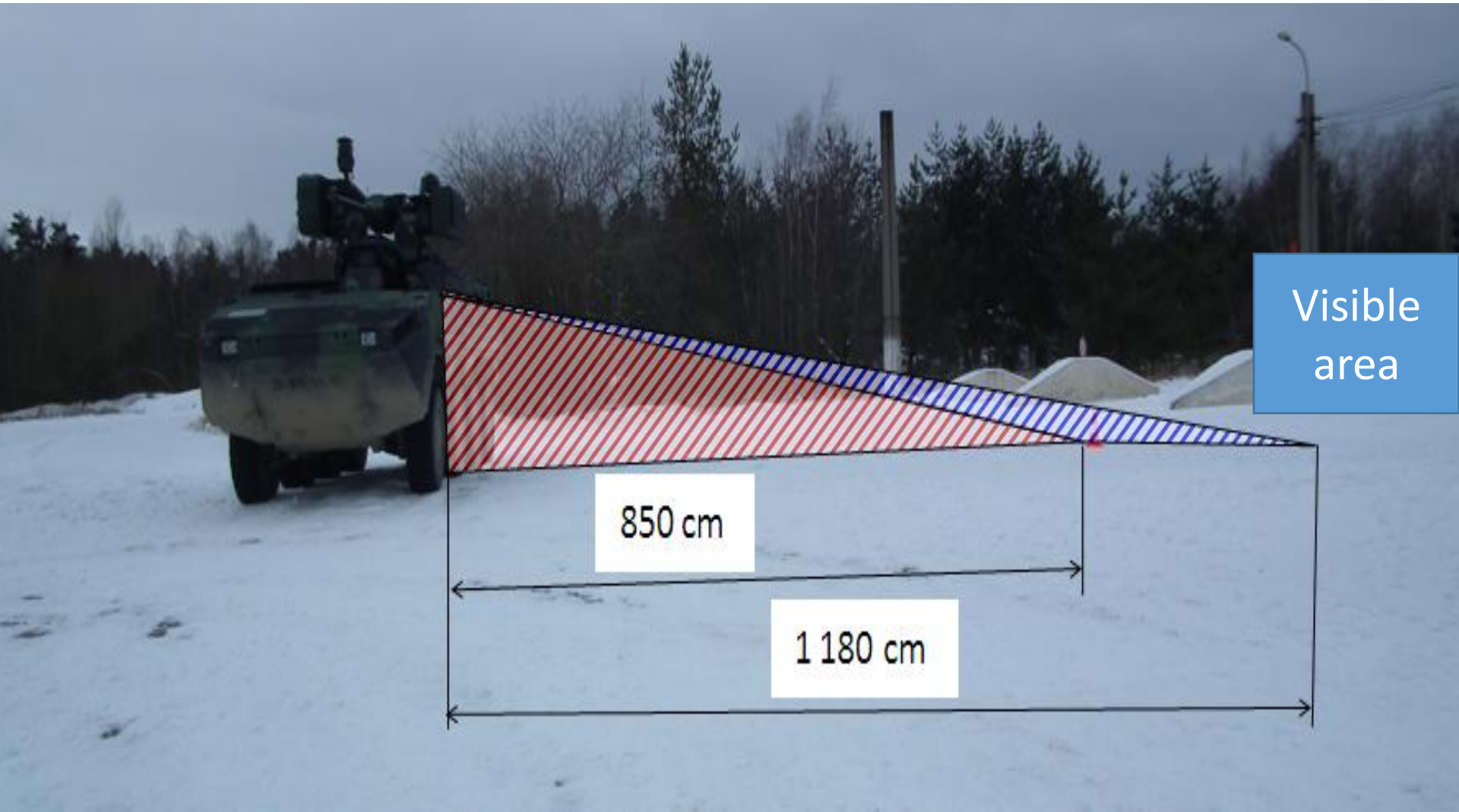


Pandur – marching position



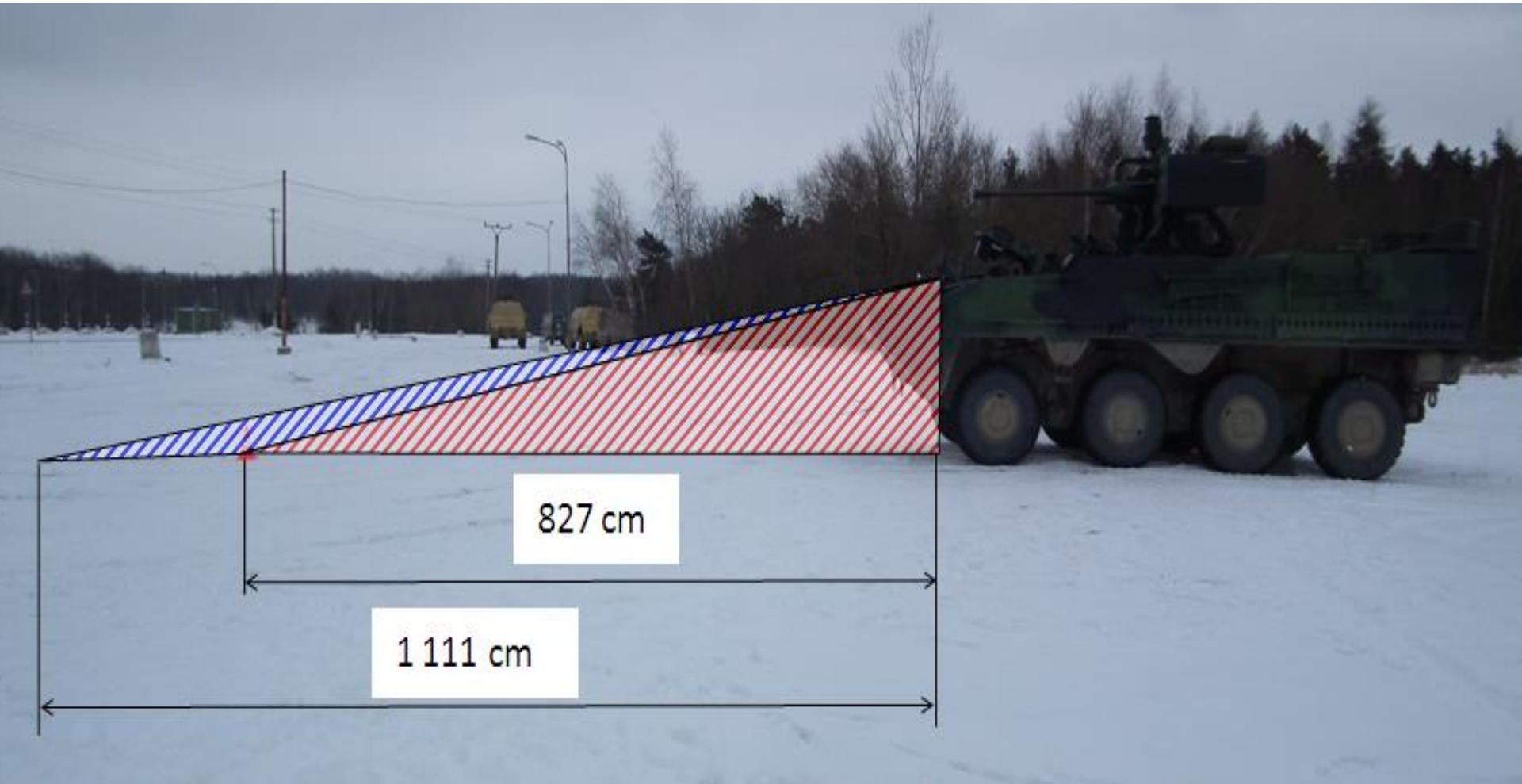


Pandur – marching position

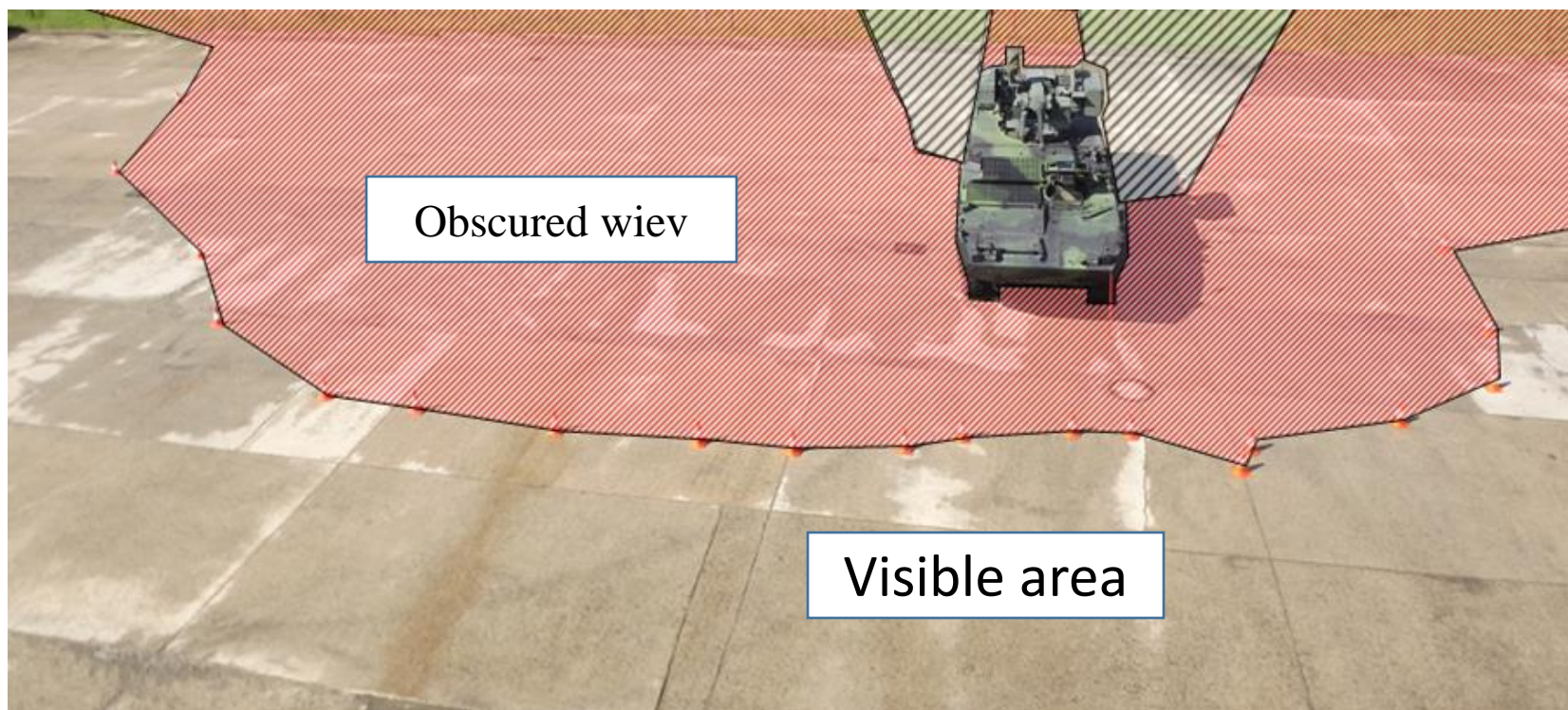




Pandur – marching position



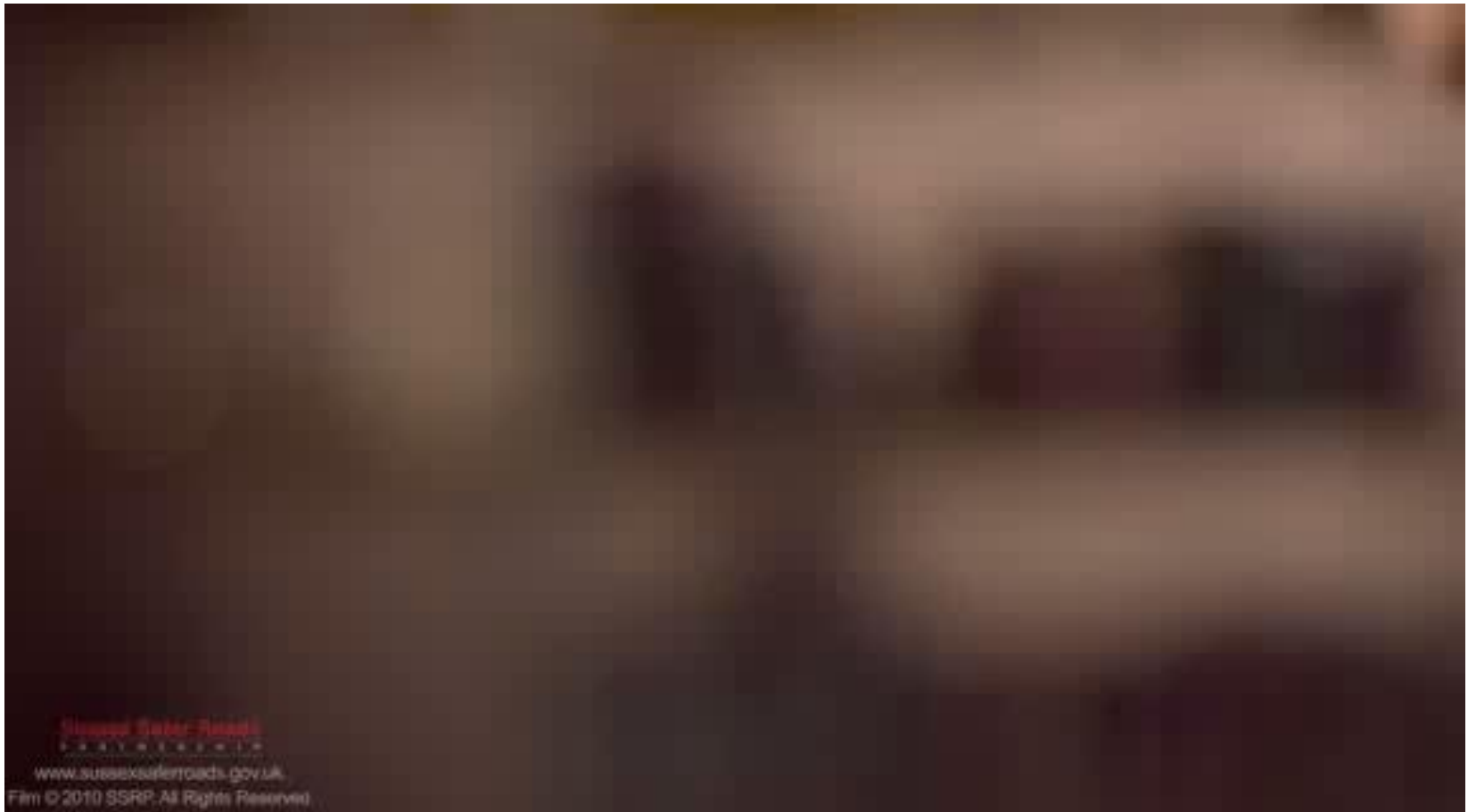
Pandur – marching position



CONCLUSION

- The results of the experimental study and measurements of the obscured views prove that each of these vehicles is very specific and therefore the drivers of each vehicle must be very well acquainted with it before operating these vehicles.
- It requires more demanding training for drivers of particular types of combat vehicles.

THANKS FOR YOUR ATTENTION



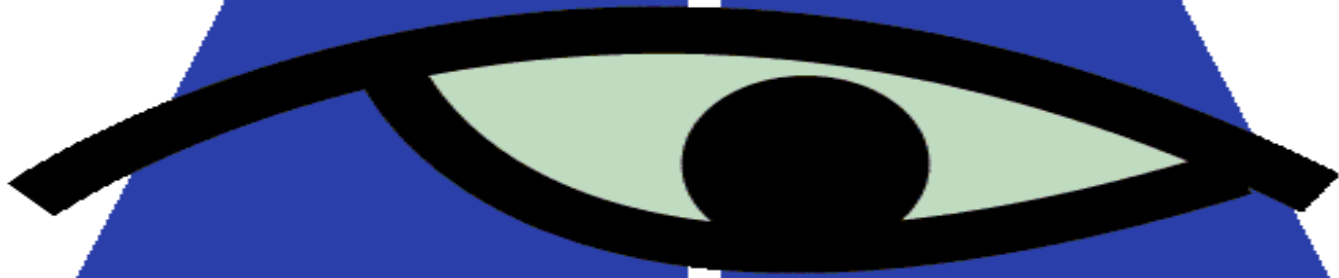
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QUESTIONS????



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