



ITEC

14-16 May 2019

Stockholmsmässan, Sweden



Connected Training

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Overview

Definition

Combat Training Centers

Where we were 10 years ago

Where we are now

Challenges ahead

How you can participate





Dimensions of Connected Training

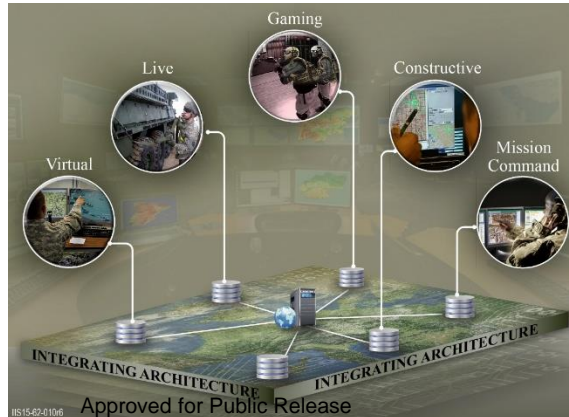
Geographic

Immersion (Live, Virtual, Constructive, Gaming, AI)

Domain (Land, Sea, Air, Cyber)

Country (US, Germany, Sweden, etc.)

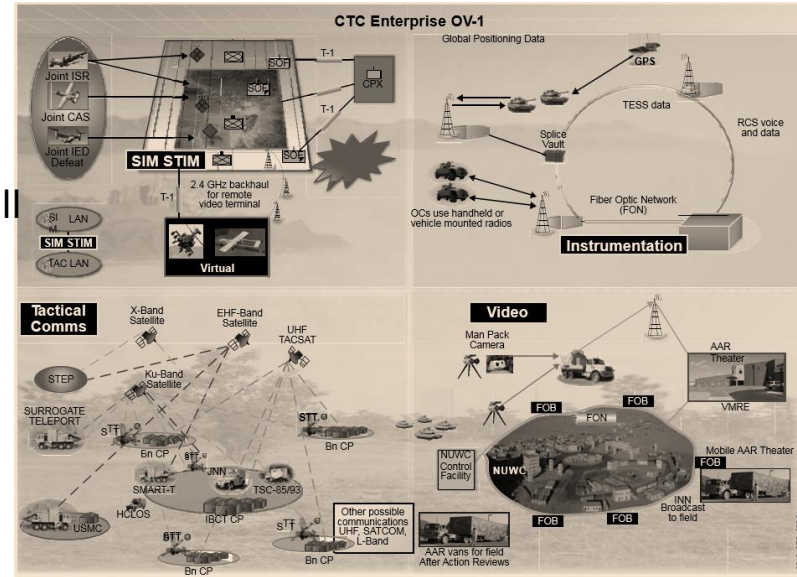
Other -





Combat Training Centers

- ✓ Army training instrumentation captures all aspects of unit training.
- ✓ Live training not using live or real ammunition.
- ✓ Army vehicles, to include aircraft, and all soldiers and weapons systems can be fitted with a sort of 'laser-tag' training system called the Multiple Integrated Laser Engagement System or MILES.
- ✓ It uses lasers and blank cartridges to simulate actual battle.
- ✓ An Instrumentation System is used to "keep score" of the battle.





JMRC Rotation 08-07

BLUFOR	OPSGRP
SC TACSAT	COB / OCCS
FM FH	OCCS Norm
	FM SC

BLUFOR	OPSGRP
SC TACSAT	COB / OCCS
FM FH	OCCS Norm
	FM SC

BLUFOR	OPSGRP
SC TACSAT	COB / OC Cell
FM FH	OCCS HF
	FM SC

BLUFOR	OPSGRP
SC TACSAT	COB / OCCS
FM FH	OCCS Norm
	FM SC

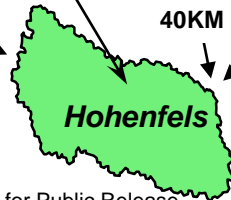
BLUFOR	OPSGRP
SC TACSAT	COB / OC Cell
FM FH	OCCS HF
	FM SC



80 KM



40KM



100KM

80KM





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Dimensions of JMRC Rotation 08-07

Geographic – up to 100 Km

Immersion - Live and Live Fire (range, shoot house)

Domain – Land

Countries - US, Germany, UK, Czech Republic, Slovakia

Other -




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SABER GUARDIAN -17


Distributed Combat Training Center Rotation



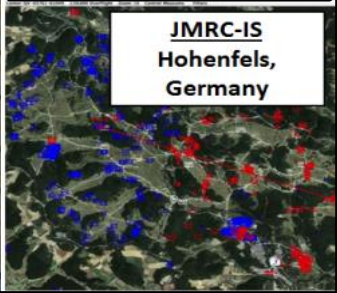


SABER GUARDIAN (July 2017)

Concept of the Operation

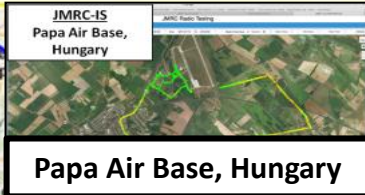


Hohenfels, Germany



**JMRC-IS
Hohenfels,
Germany**

Papa Air Base, Hungary




**JMRC-IS
Papa Air Base,
Hungary**

Phases of the Operation

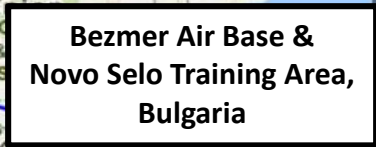
1. Initial movement
2. Opposed Wet Gap Crossing
3. Airborne Assault 2
4. Air Assault
5. Battlefield Handover

Râmnicu Vâlcea, Romania




**JMRC-IS
Râmnicu Vâlcea,
Romania**

Bezmer Air Base & Novo Selo Training Area, Bulgaria




**JMRC-IS
Bezmer Air Base,
Bulgaria**



JFE 18JUL 2330


**JMRC-IS
Novo Selo Training Area (NSTA), Bulgaria**



AASLT 20JUL 2219

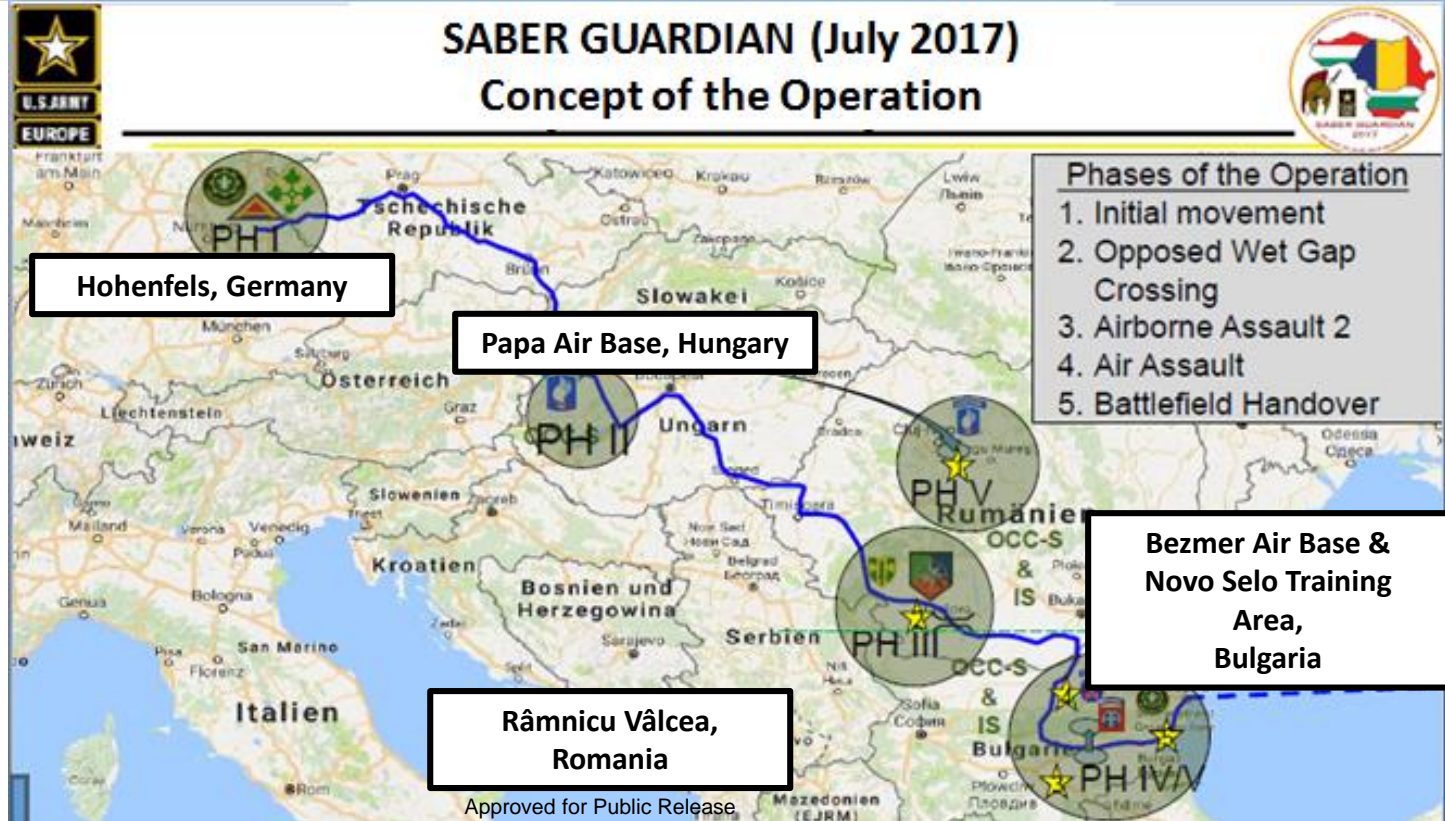
SABER GUARDIAN 17

PARTICIPATING NATIONS



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Geography





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Domains

Water crossings – land and water

Air drops – Air

NGO – food, refugees



Countries Participating

SABER GUARDIAN 17



PARTICIPATING NATIONS



Armenia



Bulgaria



Croatia



Czech Republic



Germany



Georgia



Greece



Hungary



Lithuania



Montenegro



Netherlands



Poland



Republic of Moldova



Romania



Serbian



Slovakia



Slovenia



Turkey



Ukraine



United Kingdom



United States



Former Yugoslav
Republic of Macedonia

Country participation in Saber Guardian are subject to change.

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Dimensions of Saber Guardian -17

Geographic – over 1700 Km

Live, Live Fire, Constructive (JCATS)

Domain – Land, Air, Sea, NGO

Country – 22 countries

Other -





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Conclusion

Where do we go next?

- Geographic
- Immersion – (Live, Virtual, Constructive, Gaming, AI)
- Domain (Land, Sea, Air, Cyber)
- Country (US, Germany etc.)

Questions



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References

**JMRC Quarterly Lessons Learned Newsletter, FY 17,
QTR 4**

**Raytheon Connected Training Presentation, Serious Play
Conference, 2016**