



Training For Modern Urban Operations



John Spencer, Chair of Urban Warfare Studies, Modern War Institute

- Live
- Virtual/
Constructive
- Wargaming
- Education







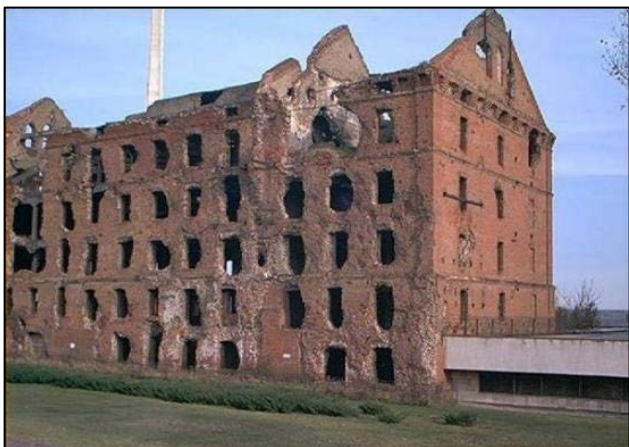


Frequent, enduring, modern challenges

- Complex obstacles
- Ambushes
- VBIED/HBIEDs
- Engaging from ground to elevation
- Snipers (to include remote)
- Fortified buildings
- COTS UAVs
- Information warfare
- Underground warfare



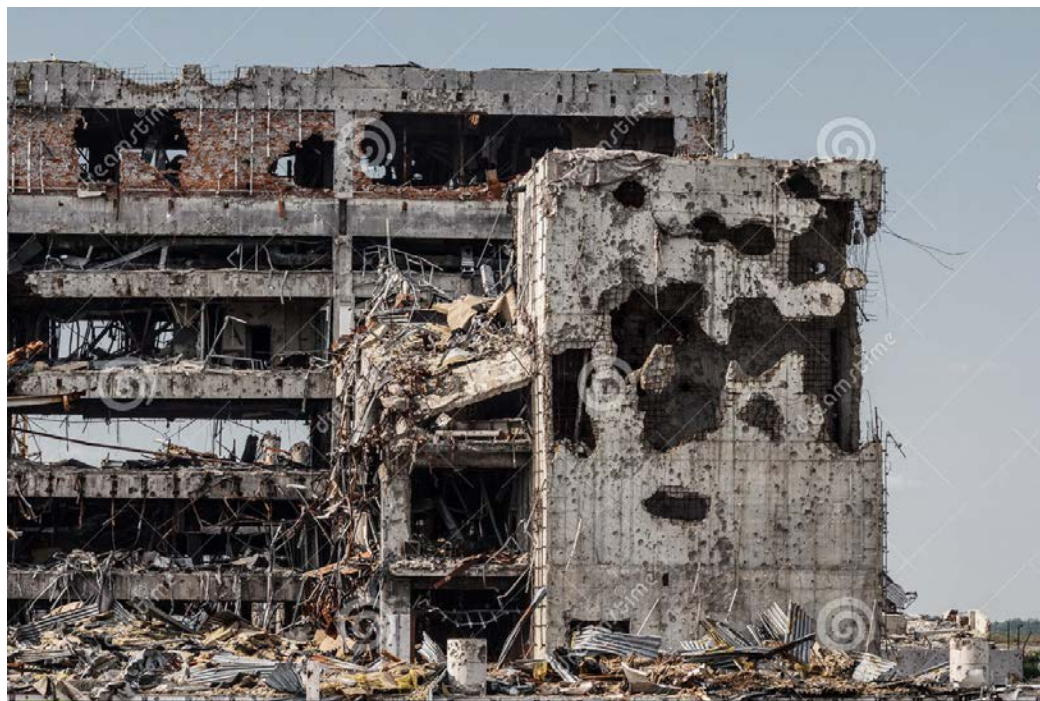
Fortified Battles



Pavlov's House 1942



Rizal Hall 1945



Donetsk airport 2014

Information Operations

Azerbaijan MOD
@wwwmodgovaz

#Armenian armed #forces losses so far

#KarabakhisAzerbaijan #StopArmenianOccupation

Category	Losses
MANPOWER	2300
TANKS & ACVs	130
ANTI-TANK MS	50
COMMAND & CONTROL CENTERS	6
ARTILLERY & MLRS	200
MILITARY VEHICLES	55
AIR DEFENCE SYS.	25
S-300	1

Source: Ministry of Defence, Republic of Azerbaijan

1:45 AM · Sep 30, 2020

Armenak Minasyants
@ArmMinasyants

OFFICIAL: The #Armenia]n armed forces of #Artsakh caused the following losses for #Azerbaijan army as of 22:00 of Sept 29: 790 casualties, 72 UAVs, 137 tanks, 7 helicopters, 1 aircraft @arcrunmod #StopAzerbaijaniAgression #NagornoKarabakh #ArtsakhStrong

Category	Losses
UAV	72
HELICOPTER	7
ARMORED VEHICLES	137
PLANE	1

#ARTSAKHSTRONG #INPEACE

12:47 PM · Sep 29, 2020 from Armenia

68 55 people are Tweeting about this



Subterranean



Mosul 2016



Aleppo 2016



Riga 2018







“Modern Urban Warfare”



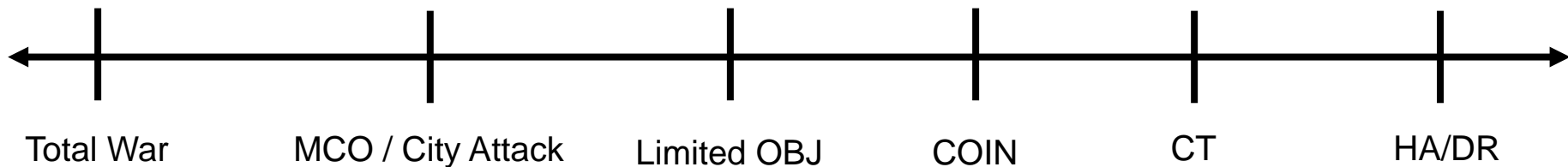
*Stalingrad, 1943
 Leningrad, 1944
 Berlin, 1945
 Vukovar, 1991
 Sarajevo, 1992
 Grozny, 1994
 Aleppo, 2012

Aachen, 1944
 Manila, 1945
 Seoul, 1950
 Hue, 1968
 Fallujah, 2004
 Mosul, 2016
 Marawi, 2017

Panama, 1989
 Baghdad, 2003
 Sadr City, 2008
 Gaza, 2009
 Gaza, 2014

Palestine, 1944
 Algeria, 1954
 Venezuela, 1960
 Ireland, 1979
 Iraq, 2004

Munich, 1972
 Mogadishu, 1993
 Mumbai, 2008
 Abbottabad, 2011



- Carthage, 40 B.C.
- Cherbourg, 1944
- Paris, 1944
- Berlin, 1945
- New Orleans, 2005
- Iwanuma, 2011
- Raqqa, 2017
- Marawi, 2017
- Palu, 2018







Assessing Expertise (HA/DR)

- That city (what is, was, and should be)
- Military specialties
 - Civil Affairs (with urban focus?)
 - Engineers
 - Military police
 - Medical
- Civilian experts
 - City specific rolodex
 - Academia
 - Government and nongovernment
- The hidden factor
 - Talent management