# Westley McDuffie

Security Evangelist
IBM X-FORCE

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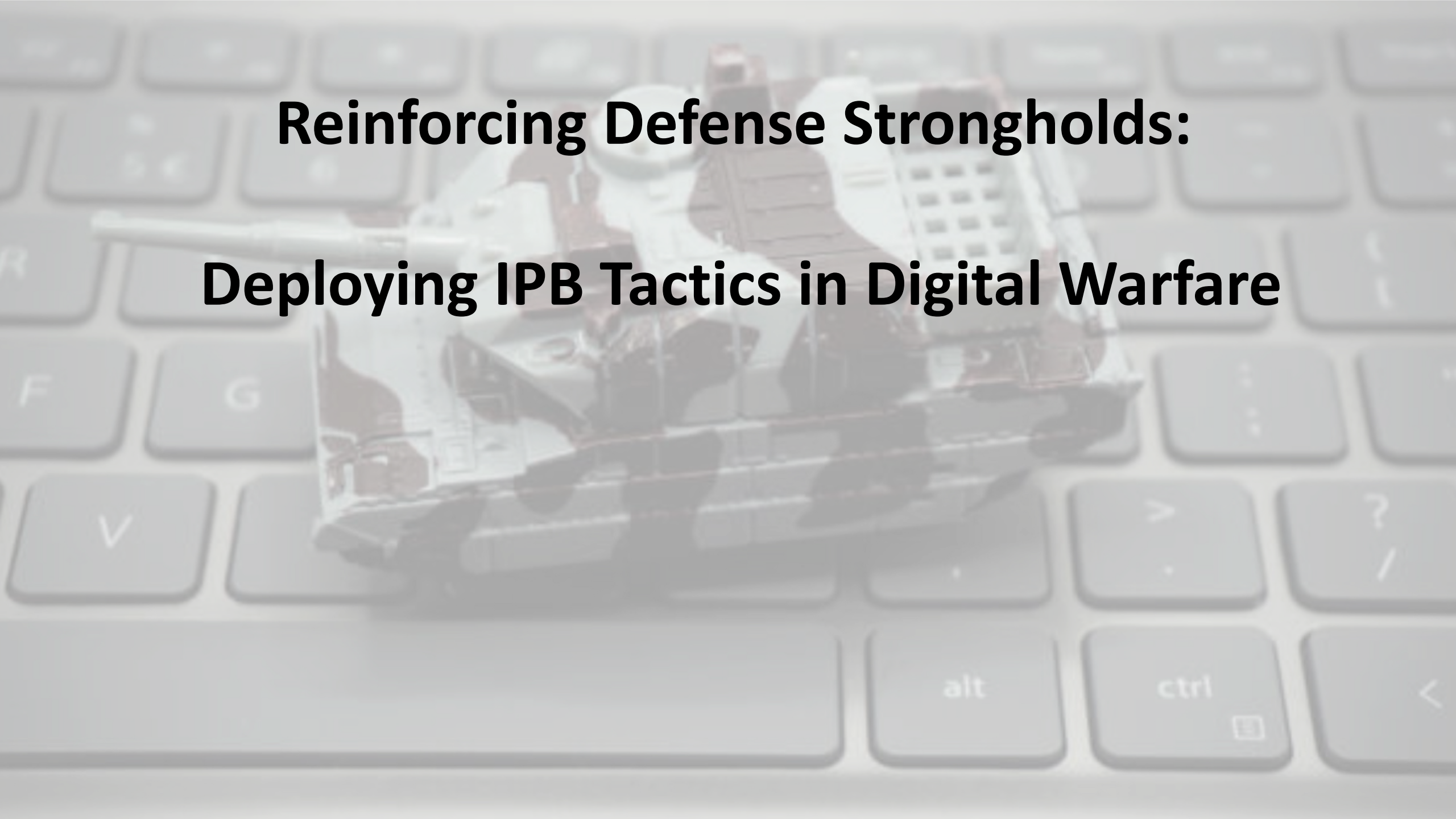
# Reinforcing Defense Strongholds:

# Deploying IPB Tactics in Digital Warfare



# IPB of Your Battlespace

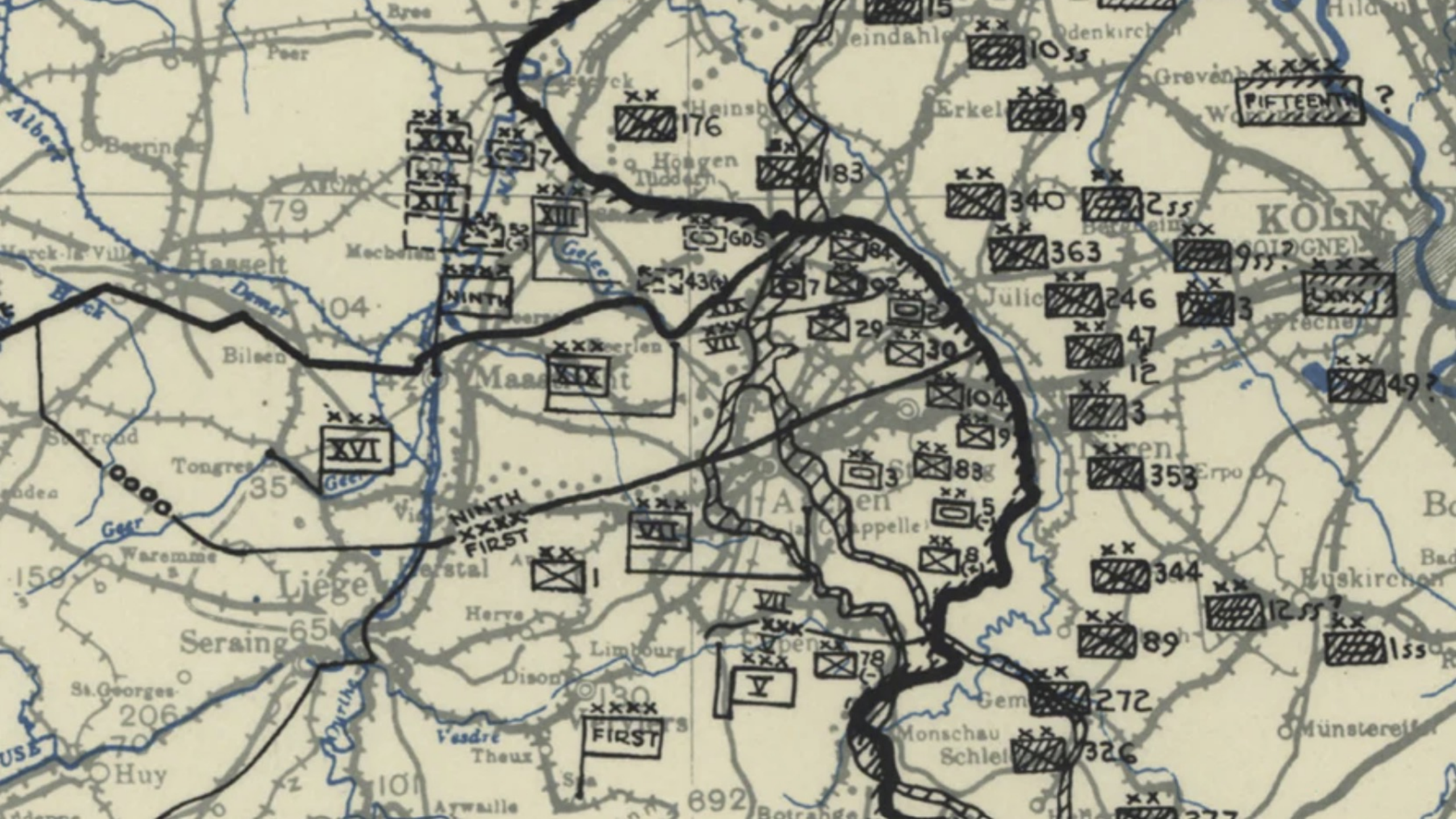
## What it is NOT

# IPB of Your Battlespace

## What it is

UKRAINE
RUSSI

RUSSIA
BLACK SEA
GEORGIA
ARMENIA
AZERBAIJAN
CASPIAN SEA
TURKEY
MEDITERRANEAN SEA
LATUFF 2008


Albert
Meuse
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Vesdre
Ourthe
Aywaille
Theux
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Dison
Limbourg
Herve
Seraing
Liége
Waremme
St.Georges
Huy
Tongres
St.Trond
Bilsen
Maaseik
Mechelen
Hasselt
Beringen
Peer
Bree
Weinsheim
Höngen
Erkelenz
Gevenich
Odenkirchen
Mönchengladbach
Rheindahlen
Julich
Düren
Aachen
Eupen
Monschau
Schleiden
Gemünd
Euskirchen
Münstereifel
Hildesheim
KÖLN
(COLOGNE)
Bedburg
Bergheim
Brühl
Bonn
Trier
Luxembourg
Arlon
Bastogne
Malmedy
Stavelot
Spa
Verviers
Eupen
Aachen
Heerlen
Sittard
Roermond
Venlo
Krefeld
Neuss
Düsseldorf
Leverkusen
Wuppertal
Remscheid
Solingen
Hagen
Siegen
Olpe
Gummersbach
Waldbröl
Siegburg
Troisdorf
Bad Godesberg
Bad Neuenahr
Ahrweiler
Mayen
Andernach
Koblenz
Neuwied
Montabaur
Limburg
Wetzlar
Giessen
Marburg
Frankenberg
Bad Berleburg
Siegen
Olpe
Meschede
Arnsberg
Soest
Lippstadt
Paderborn
Detmold
Bielefeld
Gütersloh
Rheda
Wiedenbrück
Rheine
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Papenburg
Leer
Emden
Aurich
Norden
Wilhelmshaven
Oldenburg
Delmenhorst
Bremen
Verden
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Celle
Uelzen
Lüneburg
Winsen
Harburg
Buxtehude
Stade
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Otterndorf
Bremerhaven
Nordenham
Brake
Elsfleth
Ovelgönne
Rastede
Wardenburg
Cloppenburg
Vechta
Diepholz
Nienburg
Stolzenau
Hoya
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Achim
Verden
Rotenburg
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Bremervörde
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Soltau
Fallingbostel
Walsrode
Munster
Bergen
Lüneburg
Dannenberg
Lüchow
Salzwedel
Gardelegen
Wolmirstedt
Magdeburg
Burg
Genthin
Jerichow
Tangermünde
Stendal
Osterburg
Seehausen
Arendsee
Havelberg
Perleberg
Pritzwalk
Wittstock
Neuruppin
Fehrbellin
Rathenow
Nauen
Potsdam
Brandenburg
Ketzin
Werder
Belzig
Treuenbrietzen
Jüterbog
Luckenwalde
Zossen
Königs Wusterhausen
Lübben
Luckau
Calau
Senftenberg
Hoyerswerda
Kamenz
Bautzen
Löbau
Zittau
Görlitz
Niesky
Weisswasser
Forst
Guben
Cottbus
Spremberg
Hoyerswerda
Elsterwerda
Herzberg
Jessen
Bad Liebenwerda
Torgau
Oschatz
Grimma
Wurzen
Eilenburg
Delitzsch
Bitterfeld
Köthen
Bernburg
Aschersleben
Staßfurt
Schönebeck
Barby
Calbe
Gommern
Zerbst
Dessau
Roßlau
Coswig
Wittenberg
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Bad Schmiedeberg
Gräfenhainichen
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Herzberg
Elsterwerda
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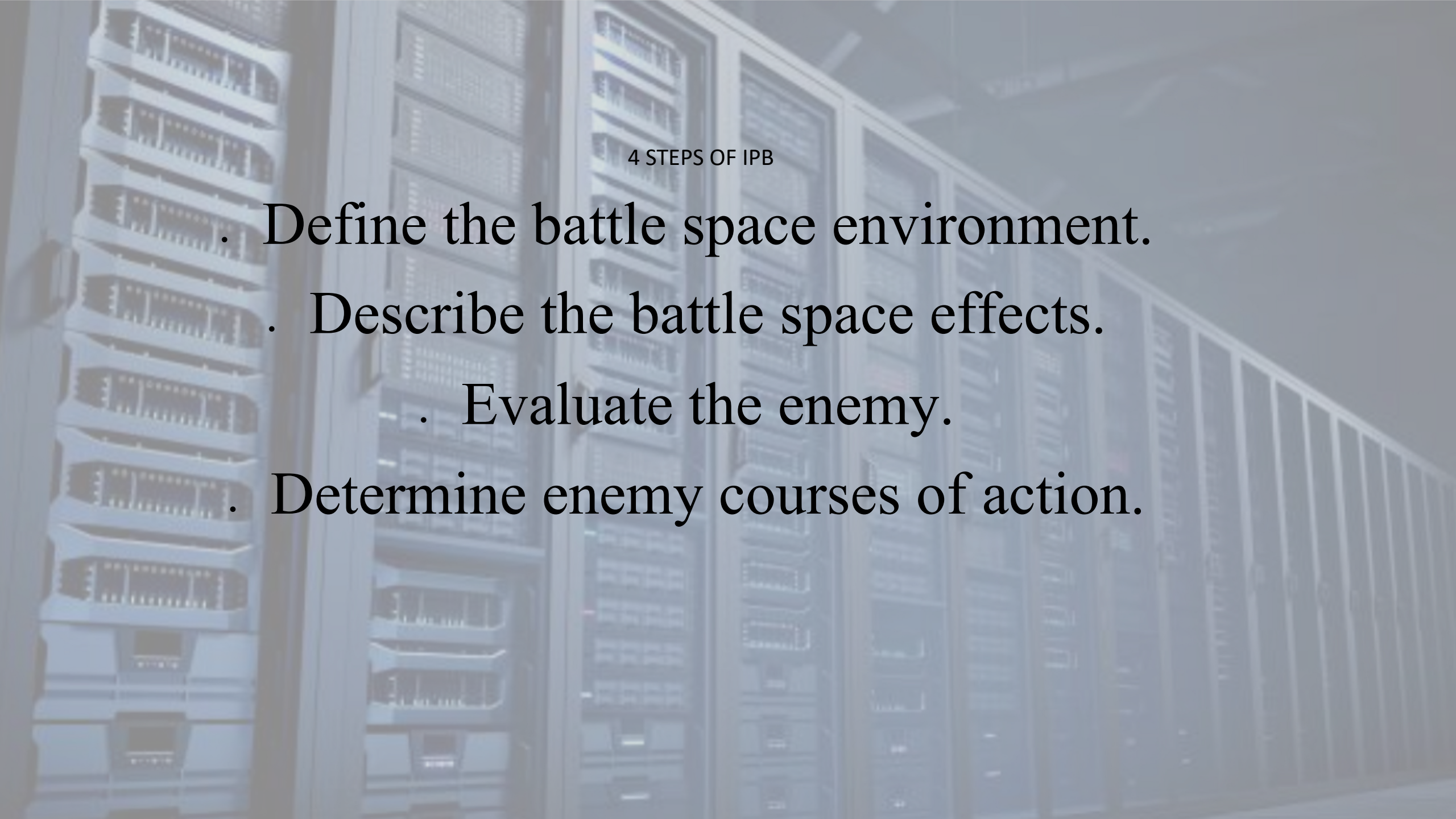

4 STEPS OF IPB

. Define the battle space environment.

. Describe the battle space effects.

. Evaluate the enemy.

. Determine enemy courses of action.

4 STEPS OF IPB

. Define the battle space environment.

4 STEPS OF IPB

# Describe environmental effects.

# Observation and fields of fire

# Avenues of approach

# Key terrain

# Obstacles

# Cover and concealment

4 STEPS OF IPB

. Determine enemy courses of action.

# Cyberspace considerations for the warfighting functions

4 STEPS OF IPB

# Evaluate the enemy.

4 STEPS OF IPB

# Evaluate the Threat.