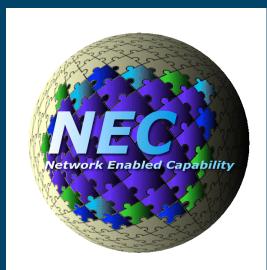
**ICCRTS 122** 



### Commanding Mission Groups – a model for Transitional NEC.

Lt Col Merfyn Lloyd OBE

9<sup>th</sup> ICCRTS, Copenhagen 14 - 16 September 2004



### **Use Cases**





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# Analysis



#### Operational View

- How business is done for real, capturing the process.
- Must be causal not time based.
- Organisational Relationships
  - Relationship of entities in military command decision making terms.
- Operational Activity Model
  - Relationship of entities in time and space.
- Information View
  - How information is shared.
  - The ability of entities to share information. Capture logical flows.

From Use Case

From Capability Chain

From a combination

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### **Military Metrics**



Military Success Criteria	Components	Elements				
Military MOE:		Ability to command and control the force in complex urban terrain.				
Ability for convoys to	Size of force needed for clearance /size of force needed	Effectiveness and coverage of Urban ISTAR in providing accurate useable information.				
transit MSR at any time without loss	to maintain MSR open.	Ability to identify and discriminate BWR forces /individuals in 3-D built up terrain in and out of buildings.				
		Accuracy and availability of GIS (Ability to know precise location of BWR (1m in 3-D /5 sec)).				
		Level of SA /C2.				
	Speed of clearance.	Accuracy and coverage of BWR picture.				
		Accuracy and availability of GIS.				
Parameters:	No of BWR casualties.	Level and quality of SA /C2.				
	NO OF DWR Casuallies.	Avoidance of PR disaster areas.				
Timeliness	Avaidance of Colleteral demonstra	Level and quality of SA /C2.				
	Avoidance of Collateral damage.	Avoidance of PR disaster areas.				
Size of force needed to hold effectively	Ability to detect and neutralise	Detect SMERCH.				
	SMERCH rockets in 10 minutes.	Neutralize SMERCH in 10 minutes.				





### Information View (OV 2)

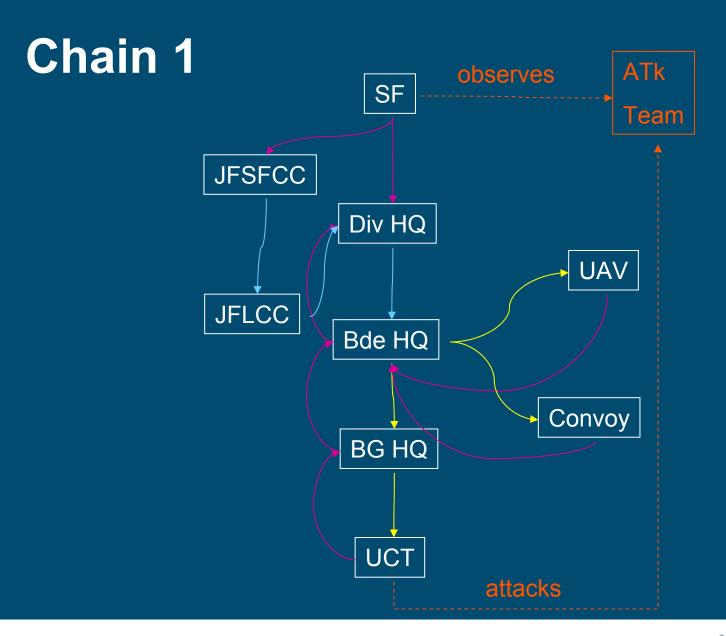


From Left	JTFC	JFLCC	JFACC	JFSFCC	Div	Bde	BG	UCT	Convoy	Th ISTAR	UAV	E3D	AH 64
to Right							_			_	-		
JTFC		Direction,	Direction,	Direction,		·							
		SA	SA	SA	2								
JFLCC	Status, SA			Status, SA,	Direction, SA	Awareness							
	54		Requests for tasks	Requests for tasks	54								
			and	and									
				information									
				_									
JFACC	Status,	Status, SA,		Status, SA,		Status, SA				Coord	Awareness		Coord
	SA	Requests for tasks		Requests for tasks	SA							SA	
		and		and									
		information		information									
JFSFCC	Status,		Status, SA,		Coord							Awareness	
	SA	Requests for tasks	Requests for tasks										
		and	and										
		information											
Div		Status, SA	Status, SA	Status, SA		Direction,	Awareness	Awareness	Awareness		Awareness	Awareness	Direction,
Bde	-				Status,	SA	Direction,	Awareness	Direction	SA Awareness	Direction		SA Coord
Bue					Status, SA		SA	Awareness	SA	Awareness	SA		Coold
BG						Status, SA		Direction,	Coord		Awareness		Coord
								SA					
UCT	-					Awareness			Coord	Coord	Coord		Coord
Convoy						Status, SA	Coora	Coord			Awareness		
Th ISTAR	-		Status, SA		Awarenes	Awareness		Coord			Awareness	Coord	Coord
_					s								
UAV						Awareness	Awareness	Coord	Awareness	Awareness		Awareness	Coord
500	-		01-1		<b>A</b>	<b>A</b>				O a and	<b>A</b>		Orand
E3D			Status, SA		Awarenes	Awareness				Coord	Awareness		Coord
AH 64	-		Status, SA			Awareness	Coord	Coord		Coord	Coord	Coord	
-					S								
CAS			Status, SA				Coord	Coord		Coord	Coord	Coord	Coord
Fire Sp		Status, SA			Coord	Coord	Coord	Coord	Coord	Awareness		Awareness	Coord
SF				Status, SA		Awareness	Awareness	Coord		Awareness	Coord	Coord	Coord
					S								



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# Lessons from Use cases



- Not everyone needs to talk to everyone else.
- People work in communities.
- Agility at the tactical level depends more on peer-to-peer relationships than hierarchical command structures.
- Universalist v Communities view.





# **Operational Infrastructure**



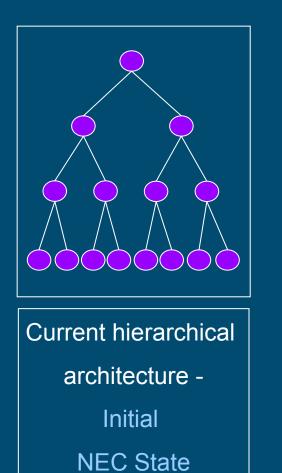


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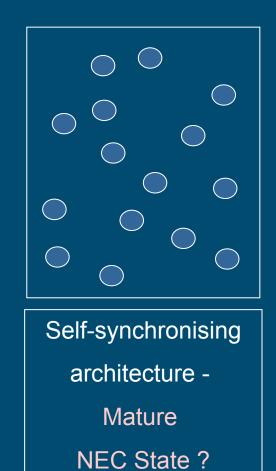


### Architectures





Proposed 2015 architecture -Transitional NEC State

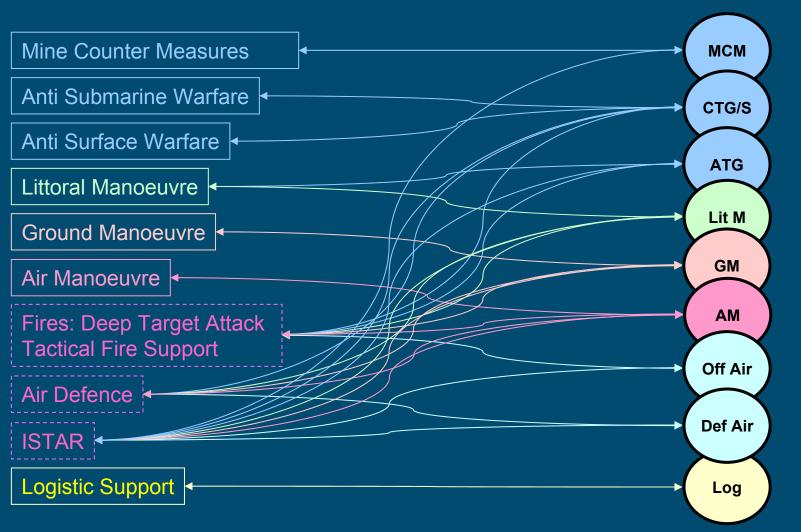


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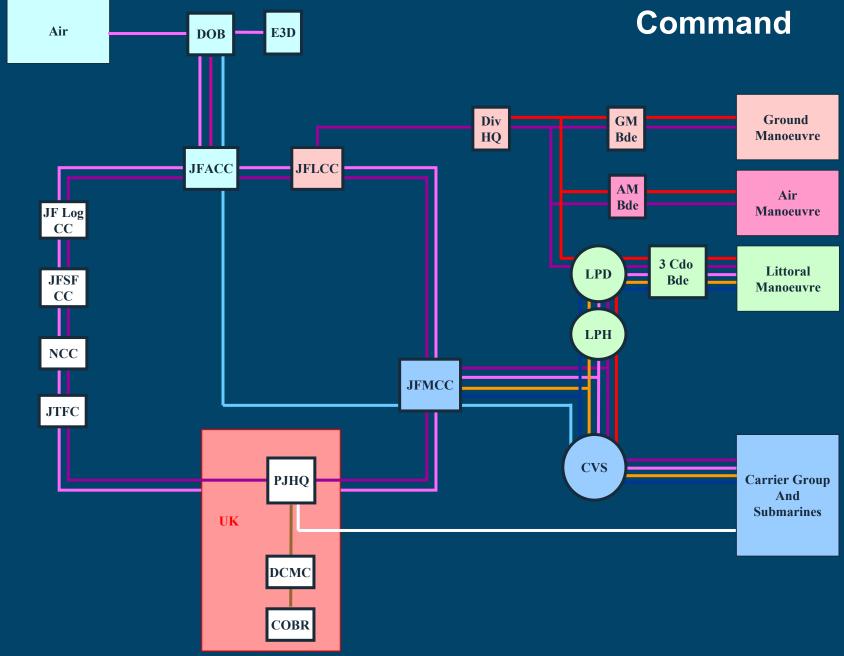
# **Actions and Operational Groups**

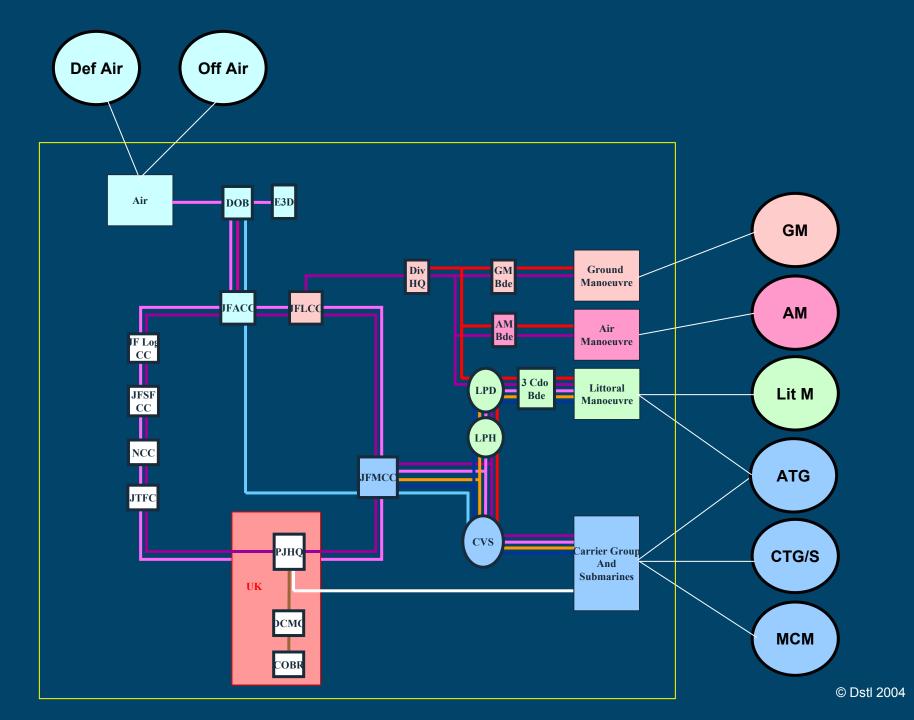


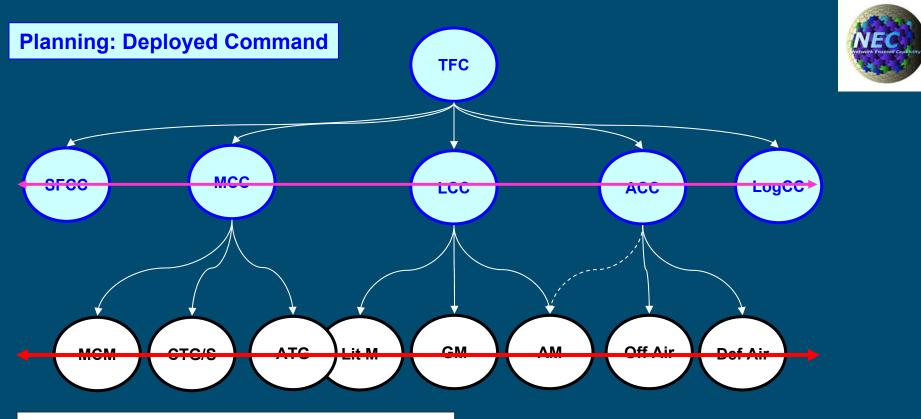










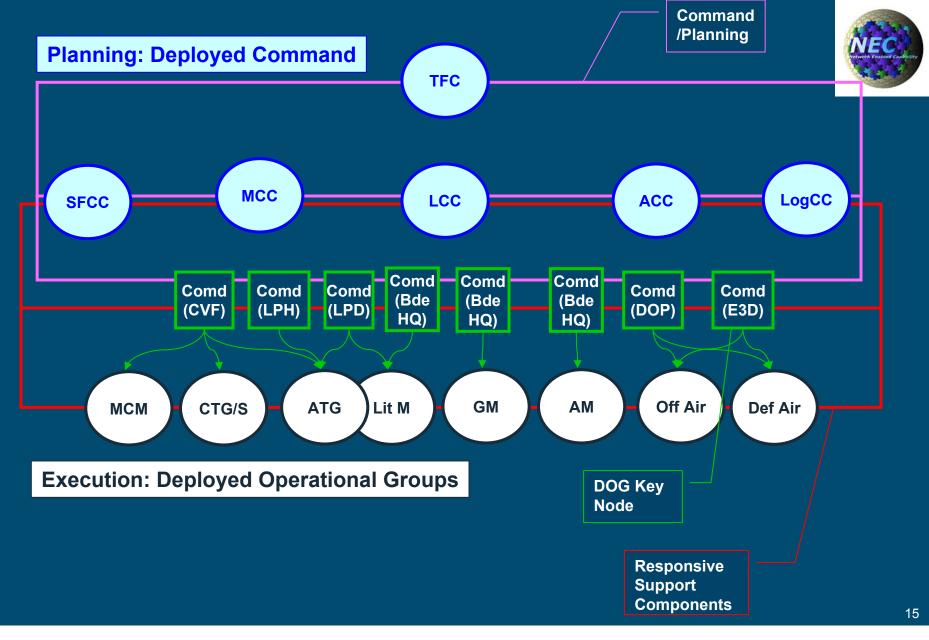


**Execution: Deployed Operational Groups** 



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#### **Commonality across DOGs**



16

Protect

Inform

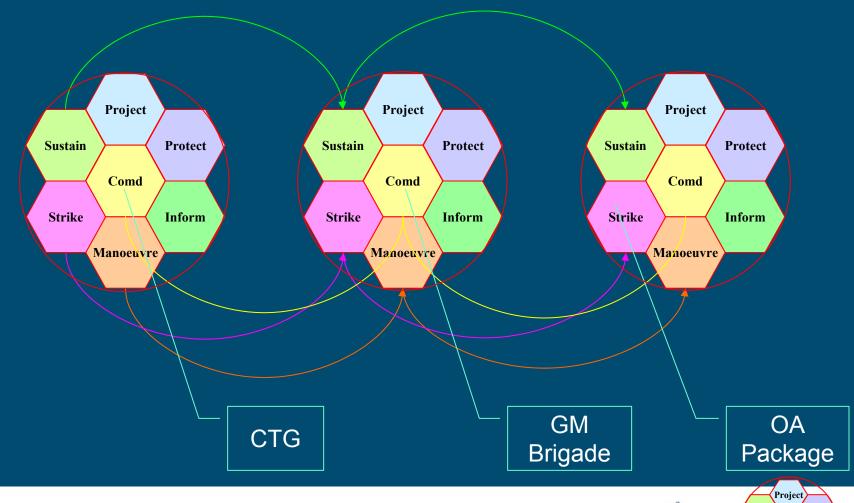
Sustain

Comd

Man'vr

Dstl is

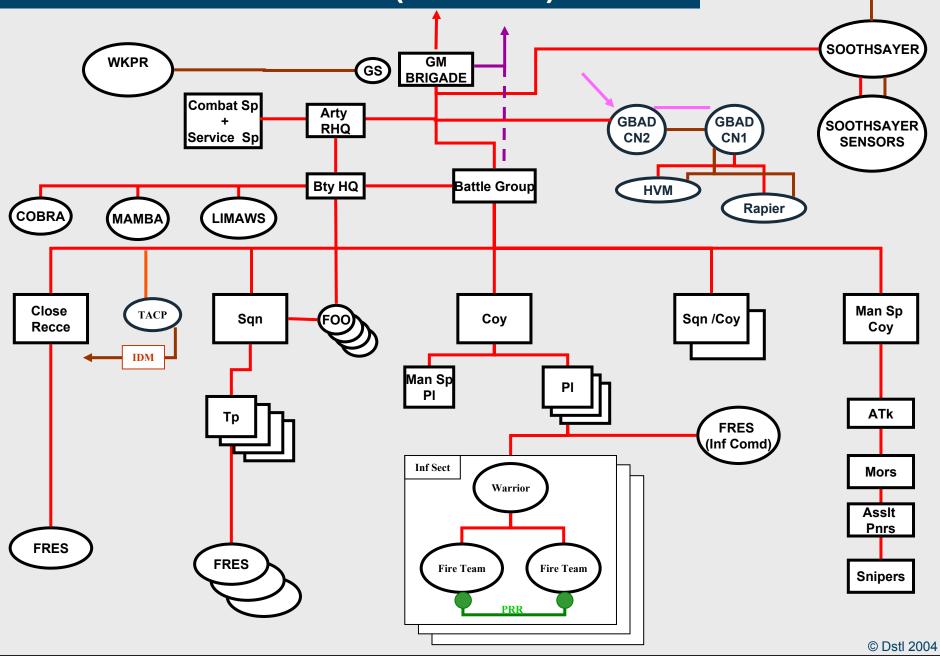
Minis Strike



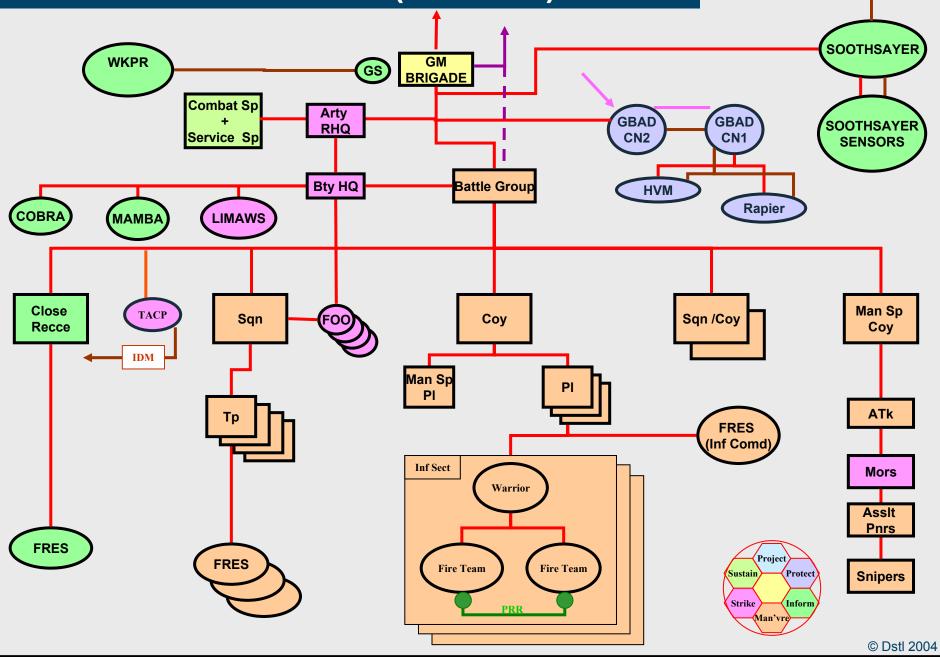


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#### Ground Manoeuvre (Medium) 2015



#### Ground Manoeuvre (Medium) 2015

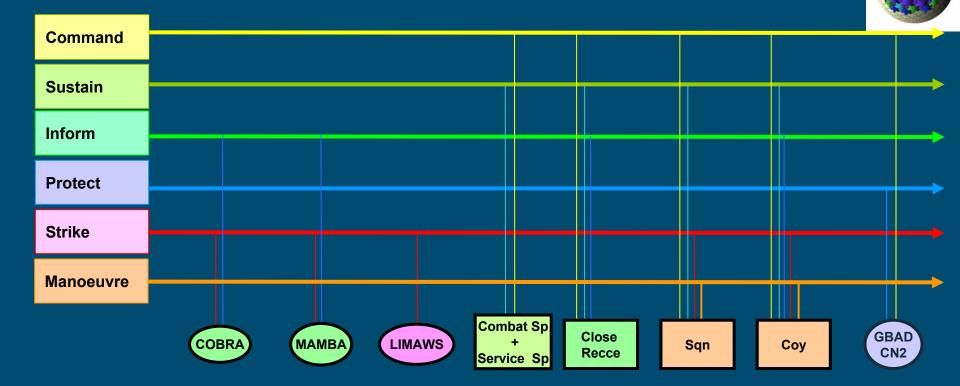


### **Capability Architecture 2015**

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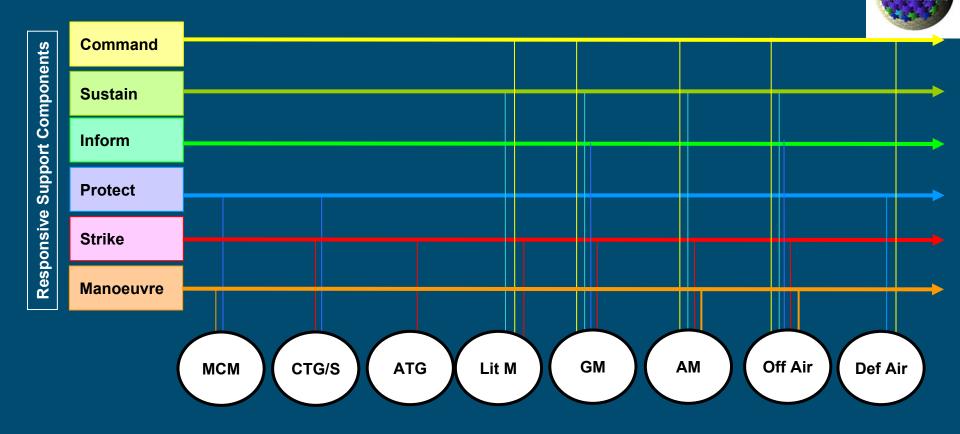






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### **Capability Architecture 2015**



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Project

Comd

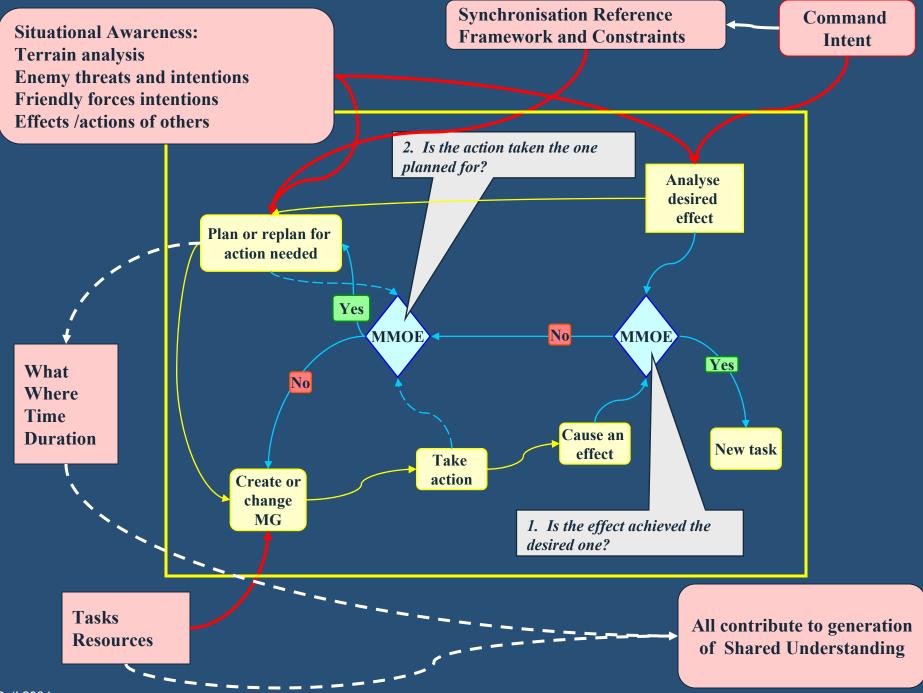
Man'vre

Sustain

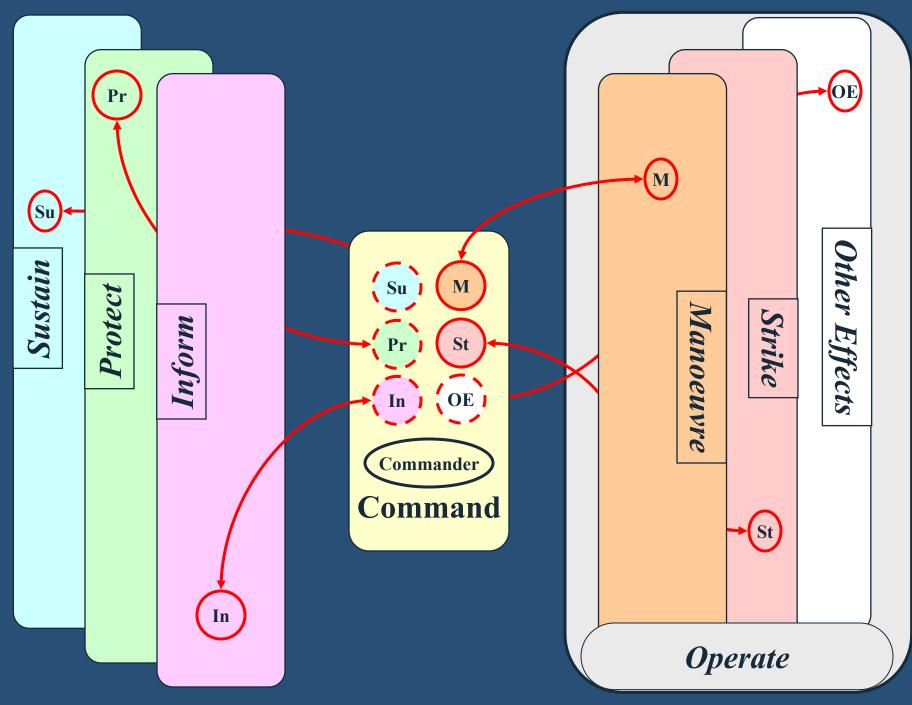
Strike

Protect

Inform



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# **Transitional 2015**



#### A communities view of working:

- Not universalist.
- Basis are deployed operational groups.
- Ability to interwork at various levels:
  - Mission groups formed through membership or participation.
- Based on the provision of functional 'managed' services
  - Greater freedom given by higher commanders
  - Control exercised through management of services
  - Importance of Command Intent as the 'synchronising mechanism'.



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Lt Col Merfyn Lloyd SO1 CBM DSTL St Andrews Road MALVERN WR14 3PS United Kingdom

+44 (0)1684 77 1472

Malloyd@dstl.gov.uk



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