



Operating Systems and the Force Design

CAPABILITIES OF OWN FORCES DESCRIBED IN TERMS OF OPERATING SYSTEMS CONCEPTS, THE ENEMY IN THE LAND, AIR OR MARITIME BATTLE SPACE AND THE APPLICABLE FORCE DESIGN ELEMENTS

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
1	Command and Control	HQ Tactical Level HQ Operational Level HQ Strategic Level	HQ Tactical Level HQ Operational Level HQ Strategic Level	HQ Tactical Level HQ Operational Level HQ Strategic Level Aircraft LRMP
2	Manoeuvre and Direct Fire	Armoured Car Armoured Car Reconnaissance Infantry Mechanised Infantry Motorised Infantry Parachute Infantry Special Main Battle Tank Helicopter Attack Land Special Forces Land Special Forces Sea	Aircraft Light Fighter Aircraft Swing Role Fighter Helicopter Land Attack	Aircraft Light Fighter Aircraft Swing Role Fighter Aircraft LRMP Helicopter Attack Maritime Submarine Conventional Frigate Small Guided Missile Fast Attack Craft Missile Special Forces Sea

Appendix A

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
		Engineers Construction Engineers Field Engineers Terrain Intelligence Engineers Air Land Helicopter Utility Light		
3	Indirect Fire	Artillery Light Artillery Medium Rocket Launcher Artillery Self Propelled Medium Howitzer Artillery Towed Medium Howitzer Aircraft Light Fighter Aircraft Swing Role Fighter Frigate Small Guided Missile Fast Attack Craft Missile		
4	Information Warfare	Information Infrastructure Warfare FDE Command and Control Warfare FDE Net Warfare FDE Psychological Warfare FDE Electronic Warfare FDE Information Based Warfare FDE	Information Infrastructure Warfare FDE Command and Control Warfare FDE Net Warfare FDE Psychological Warfare FDE Electronic Warfare FDE Information Based Warfare FDE	Information Infrastructure Warfare FDE Command and Control Warfare FDE Net Warfare FDE Psychological Warfare FDE Electronic Warfare FDE Information Based Warfare FDE
5	Lift in the Battlefield	Aircraft Battlefield Support	Aircraft Command and Control Aircraft Battlefield Support	Helicopter Transport Medium

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
		Aircraft Transport Medium Light Helicopter Transport Medium Helicopter Utility Light	Support Aircraft Transport Medium Aircraft Transport Medium Heavy Aircraft Transport Medium Light Helicopter Transport Medium Helicopter Utility Light	Helicopter Utility Light
6	Lift in the Theatre of Operations	Tank Transporter Aircraft Transport Medium Heavy Aircraft Transport Medium Road Transport FDE Replenishment Ship Sea Lift Ship Frigate Small Guided Missile Fast Attack Craft Missile Submarine Conventional	Aircraft In-flight Refuelling Aircraft Transport Medium Heavy Aircraft Transport Medium Aircraft Transport Medium Light Aircraft Battlefield Support Aircraft Command and Control Replenishment Ship Sea Lift Ship	Aircraft Transport Medium Heavy Replenishment Ship Sea Lift Ship
7	Lift Strategic	Tank Transporter Aircraft Transport Medium Heavy Sea Lift Ship Replenishment Ship Frigate Small Guided Missile Fast Attack Craft Missile Submarine Conventional	Aircraft Transport Medium Heavy Aircraft In-flight Refuelling Sea Lift Ship Replenishment Ship	Aircraft Transport Medium Heavy Sea Lift Ship Replenishment Ship

Appendix A

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
		Road Transport FDE		
8	Protection – Combat Search and Rescue	Armoured Car Reconnaissance Infantry Parachute Aircraft Transport Medium Heavy Aircraft Transport Medium Aircraft Battlefield Support Aircraft Command and Control Aircraft Transport Medium Light Helicopter Land Attack Helicopter Transport Medium Helicopter Utility Light SAAF Protection FDE Unmanned Aerial Vehicle Land Special Forces Land Special Forces Sea Special Forces Medical Support		Aircraft Transport Medium Heavy Helicopter Transport Medium Helicopter Utility Light Frigate Small Guided Missile Fast Attack Craft Missile Helicopter Attack Maritime Replenishment Ship Sea Lift Ship Conventional Medical FDE Operational Diving Team
9	Protection – Deployed Forces	Engineers Construction Engineers Field Engineers Air Land SAAF Protection FDE NBC Defence FDE Military Police	GBADS Air Landed GBADS Mechanised GBADS Mobile Aircraft Light Fighter Aircraft Swing Role Fighter Helicopter Land Attack	Helicopter Attack Maritime Aircraft Light Fighter Aircraft Swing Role Fighter Frigate Small Guided Missile Fast Attack Craft Missile

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
			Frigate Small Guided Missile Fast Attack Craft Missile	Mine Countermeasure Vessel
10	Protection – Rear Areas	Army Territorial Reserve Engineers Field Infantry Motorised NBC Defence FDE	GBADS Air Landed GBADS Mechanised GBADS Mobile Aircraft Light Fighter Aircraft Swing Role Fighter	Army Territorial Reserve Harbour Protection Boat Inshore Patrol Vessel
11	Situational Awareness – Information Operations	HQ Tactical Level HQ Operational Level HQ Strategic Level	HQ Tactical Level HQ Operational Level HQ Strategic Level	HQ Tactical Level HQ Operational Level HQ Strategic Level Aircraft LRMP
12	Situational Awareness – Reconnaissance, Surveillance and Intelligence	Armoured Car Reconnaissance Engineers Terrain Intelligence Intelligence Tactical Land Aircraft Light Fighter Aircraft Swing Role Fighter Aircraft Battlefield Support Aircraft Electronic Warfare Helicopter Attack Land Unmanned Aerial Vehicle Land Satellite and Photographic Reconnaissance FDE Conventional Medical FDE	GBADS Air Landed GBADS Mechanised GBADS Mobile Satellite and Photographic Reconnaissance FDE Aircraft Light Fighter Aircraft Swing Role Fighter Aircraft Electronic Warfare Surveillance Radar AD LR 3-D Surveillance Radar AD MR 3-D Surveillance Radar AD Tactical Aircraft Air Early Warning Special Forces Land	Aircraft LRMP Aircraft Swing Role Fighter Frigate Small Guided Missile Fast Attack Craft Missile Submarine Conventional Operational Diving Team Helicopter Attack Maritime Unmanned Aerial Vehicle Maritime Aircraft Air Early Warning Special Forces Sea Electronic Warfare FDE Aircraft Electronic Warfare

Appendix A

Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
		Special Forces Medical Support Special Forces Land Special Forces Sea Aircraft Air Early Warning Electronic Warfare FDE Frigate Small Guided Missile Fast Attack Craft Missile Submarine Conventional	Electronic Warfare FDE Frigate Small Guided Missile Fast Attack Craft Missile	Satellite and Photographic Reconnaissance FDE
13	Sustainment	Engineers Construction Engineers Support Field Workshop Maintenance Unit Tactical Airfield Unit Aircraft Command and Control Aircraft Battlefield Support Aircraft Transport Medium Aircraft Transport Medium Heavy Aircraft Transport Medium Light Helicopter Transport Medium Aircraft Passenger Large Sea Lift Ship Replenishment Ship Conventional Medical FDE	Engineers Construction Engineers Support Aircraft In-flight Refuelling Aircraft Transport Medium Aircraft Transport Medium Heavy Aircraft Transport Medium Light Aircraft Battlefield Support Helicopter Transport Medium Helicopter Utility Light Sea Lift Ship Replenishment Ship Conventional Medical FDE Military Hospital Special Forces Medical Support	Aircraft Transport Medium Aircraft Transport Medium Heavy Aircraft Transport Medium Light Helicopter Transport Medium Sea Lift Ship Replenishment Ship Operational Diving Team Conventional Medical FDE Military Hospital Road Transport FDE Tactical Airfield Unit Special Forces Medical Support Transportable Logistic Support Hydrographic Survey Vessel

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Serial	Operating System	Enemy in the Land Battle Space	Enemy in the Air Battle Space	Enemy in the Maritime Battle Space
	a	b	c	d
		Military Hospital Special Forces Medical Support Road Transport FDE Veterinary Institute Presidential Health Support Unit Ceremonial Guns Band Army Band SAAF Band Navy Band SAMHS Saluting Stations	Road Transport FDE Tactical Airfield Unit Presidential Aircraft	