

National Defence College, Bangladesh



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Commandant's Note

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It gives me immense pleasure to see the 3rd edition of NDC Newsletter. In pursuit of 'Security Through Knowledge', it mirrors the works and practices of NDC. It captures various events of last few months to keep our esteemed readers informed about NDC. The glimpses of course curriculum and activities conducted in the college treasures the colourful memories, making nostalgic many of their stay and attachment with NDC.

The world is experiencing phenomenal changes, so are the security paradigms and challenges. The inter-connected world today presents both opportunities and challenges. Security challenges faced by the countries are now more complex in nature. As such cooperation between the stakeholders will be the key to offering a more effective operational response to the challenges we face. Intellectual discourse on the evolving phenomena paves the way for new ideas and thoughts in facing such challenges. NDC provides the platform for interweave among the course members across the globe, intelligentsia, resource persons, and policy makers. It can have effect of bringing about changes in the inside outlook and shaping the outside opinion. Our efforts at strategic and operational realm are all about developing a knowledge-based view and outlook in bringing the changes, face the challenges.

Every page of this newsletter reflects the colour of NDC; the wisdom and acumen it radiates. Thanks to AFWC wing for their earnest efforts; my compliments and felicitations to all who have worked for it.

Editorial

NDC Newsletter is published once in a four-month period which is intended to highlight important events taking place at NDC as part of institutional, academic and social curriculum. NDC is a premier organization to impart knowledge on security issues in order to identify the 'ways' and the 'means' to achieve the 'ends' of ongoing or potential national, regional or global issues. This publication scoops out glimpses of various events that have contributed greatly towards the attainment of NDC objectives.

'Victory smiles upon the changes in the character of war, not upon those who wait to adapt themselves until after those changes occur.'

- Giulio Douhet



Commandant with VCDS, UK



Opening Speech by Commandant for Capstone Course - 2015



Academic Events



ND Course - 2015



AFWC - 2015



Capstone Course - 2015

Internal Study Tours

Internal study tours are aimed at providing an in-depth understanding of the state organs, security and defence organizations, business world, non-government and social institutions, industrial base as well as the culture and traditions of Bangladesh



ND Course at NHQ



ND Course at BAF Base Bangabandhu



ND Course at the National Parliament



Capstone Course at BJMB Area



AFWC visiting AD Brigade



AFWC at Armed Forces Division



Distinguished Visitors and Guest Speakers

Ministers, members of parliament, senior military officers, academicians, intelligentsia, business leaders, technocrats, ambassadors and high commissioners are invited to share their multi-dimensional experience, knowledge and wisdom through lectures, open discussions and interactive sessions



Agriculture Minister interacting with the course members of ND Course



Speaker of the Parliament in a session with ND Course



CNS with his vision to AFWC



COAS with his vision to AFWC



CGS delivering lecture to AFWC



Commandant, NDC delivering lecture to AFWC



Indian Navy Chief in a joint session with ND Course and AFWC



Cabinet Secretary in a session with Capstone Course



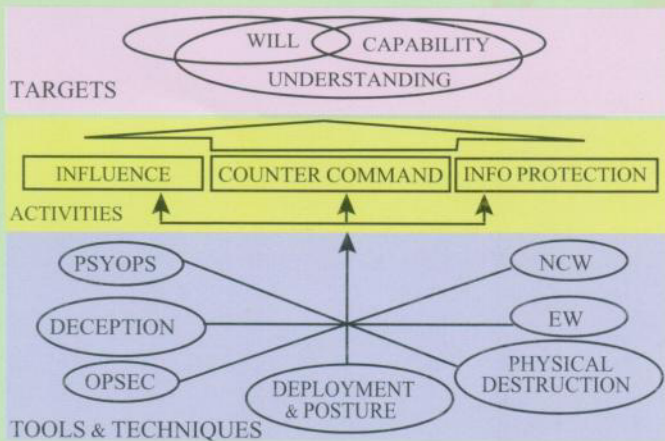
Principle Staff Officer, AFD in a session with Capstone Course



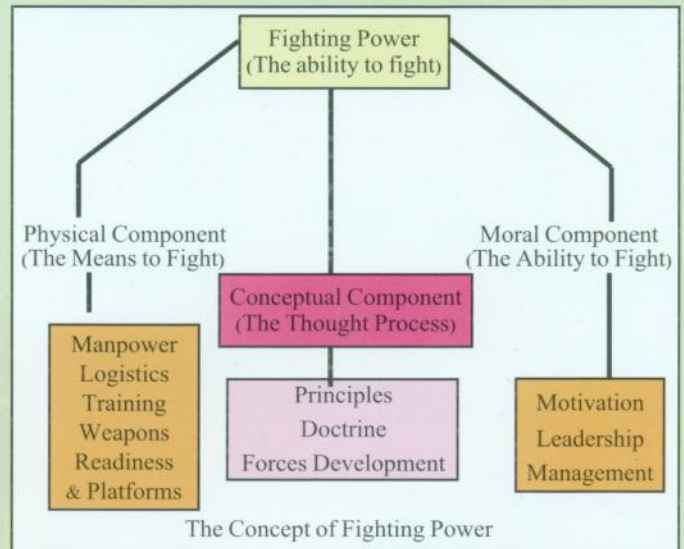
Knowledge Corner

Information Warfare - Apt to Ponder?

Whether we know or not, a new kind of war is raging around us. Here information is the weapon. Knowledge, data, concepts, emotions – are the tools. It focuses on influencing and controlling the opinion, attitude and behaviour. This is Information warfare. Ever since the emergence of warfare in the human civilization information played a vital role. Evolution of information and communication technology, technology-based war fighting platforms and concepts are bringing revolution in this warfare. The domain of Information Warfare is so vast, and the changes are so rapid that, even for the powerful nations, it is difficult to predict its future destination. It is also termed as the fifth dimension of warfare. It is bringing remarkable changes, in the traditional war fighting concepts, and the platform centric orientation of the military. Information warfare could be totally non-lethal, or a combination of both lethal and non-lethal means. It could go on as peace time silent activity. So, the traditional concept of war preparation, declaration of war, conflict termination may become insignificant. It could be conducted at individual, corporate, organization or state level, which is a significant departure from presently conducted conventional warfare. It could be conducted from remote places in the cyber space, making the trans-frontier threat and territorial boundary redundant. Here the warrior could be combatant, non combatant, or even mercenaries. Thereby application of legal aspects, observing, monitoring and detecting is difficult. Information warfare is cheap and less colossal than organizing conventional forces. Thus it could act as force equalizer between two asymmetric powers.



It is the battle for our mind - the target is the human mind, especially the minds of key decision makers during war or peace. The primary 'battle space' of Information warfare is shifting from broadcast media to internet. The cyberspace is assuming its new battle space. Information warfare being real, its affects are also real. It is forced upon – unavoidable. It is a 24/7 happening. It has no boundary. Being a battle of mind, it may be lost even without knowing that, the battle is lost. Its awareness is winning half the battle. Better we ponder on it now, before it is too late!



Cyberspace Security - A Growing Concern

The idea of cyberspace security may differ from party to party. Some think that cyberspace security emphasizes internet content in terms of data and idea, while many others identify malware and hackers as the main hazard in cyberspace. Whatever may be the case, the threat is real.

Cyberspace is a different domain than general domains of war, i.e. land, air, sea. Land, air and sea are defined by geography. Tangible protection in these domains is possible by many states. But the domain of cyberspace cannot be defined by physical terrain, thus makes every state, weak or strong, small or big, under-developed, irrespective of status, vulnerable for attack.



Targets of cyber-attack ranges from economy to any other sectors of the state. The more the various sectors of a country are getting cyber bound, the more potential targets they are of cyber attacks. Many think that the year 2014 was a bad year for cyber attacks with the shocking hack on Sony Pictures Entertainment and two attacks on Investment Bank JP Morgan, But the CEO of Cisco, the worldwide leader in IT, John Chambers has warned that 2015 will be a worse year for hack attacks on business.

Today, the military information is gradually moving to cyberspace, making military operations critically vulnerable to cyber attack. There lies the importance of giving due attention to security in order to prevent possible cyber-attack as it may prove to be too costly. The Proverb reminds, "Prevention is better than cure".

'It is only those who have knowledge among His servants that fear Allah.'
- The Holy Quran 35 : 28



Knowledge Corner

Faces of Asymmetry in Naval Warfare

In a classical sense, asymmetric warfare is identified as mismatch between opponents' ends, ways, or means- fighting for ends that do not match an opponent's objectives, fighting in ways that differ from an opponent's approach to war, or fighting with means different from an opponent's resources. The study of Naval Battles of Guadalcanal suggests that the Imperial Japanese Navy challenged the US Navy by exploiting two distinct asymmetries: nocturnal fighting and long lance torpedo. The Japanese attacked at night from a distance when the US was not ready or adept at fighting



and out of their weapon range. In modern thinking, however, asymmetry often describes a weaker power's use of an unanticipated means of striking at the vulnerability of a stronger power. Conventional heavy form of asymmetry, therefore, is the littoral nation's employment of smaller craft, mines, anti-ship cruise missiles, submarines, etc. This somehow resembles the Soviet 'Fortress Fleet Strategy' of the 19th century involving a 'Mosquito Fleet'. The other variant could be the Sri Lankan Navy's strategy of 'Swarm Tactics' employed to overwhelm Sea Tigers. The most rudimentary form, however, could be indigenous use of coastal craft with low-technology small caliber guns, short-range rockets, or even explosives that can either threaten merchant shipping or larger naval ships. Over and above, all these forms precipitate uncertainty of opponent's approach which is the keystone of success in asymmetric war. The side wishing to employ it, therefore, may not indoctrinate the approach as the lost of uncertainty would be certain then.

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Bangabandhu Satellite

Bangladesh is going to break into the space with the much needed and waited Bangabandhu Satellite scheduled to be launched in 2017. Bangladesh government has approved the US\$36 million project under the supervision of Bangladesh Telecommunication Regulatory Commission (BTRC). Bangabandhu Satellite is planned to be a geo-synchronized earth orbiting (GEO) multimode multiband commercial satellite with a wide coverage in the Asia-Pacific Region. The satellite is capable to support encrypted service and therefore suitable for military use as well. Once in the orbit, the satellite would cover all the commercial requirement of Bangladesh which is now being rented with US\$14 million (approximately) a year from other countries. The satellite is planned to have total 40 transponders on board and only 50% of the capability would be needed to fulfill the requirement of the country. Therefore, by renting the satellite service to others, Bangladesh would be able to earn foreign currency within the project. With multiband and multimode capacity the satellite is capable to cover the military communication requirements of the country. The satellite would be particularly useful for integrated services in the Armed Forces like air defence, maritime operations and battle-space management. The satellite would offer a secured means of communication covering voice, data and video communication for the Armed Forces.



Four things support the world: the learning of the wise, the justice of the great, the prayers of the good, and the valour of the brave.

- Prophet Muhammad [pbuh]

Bay of Bengal - The Third Neighbour



The Bay of Bengal (BOB) is the largest bay in the world that constitutes the north-eastern part of the Indian Ocean. It is bordered by India, Sri Lanka, Bangladesh, Myanmar and the Andaman and Nicobar Islands. It is estimated that about 1.4 billion people live along the BOB coast line and as such it is called by many as a people's highway. Considering the geo-strategic location, it is prudent to call BOB as the 'Third Neighbour' of Bangladesh. This neighbour offers lot of potentials in terms of energy resources, marine fish resources and other minerals like, phosphate nodules, cobalt-rich crusts, calcareous aggregates, ilmenite-magnetite and co-rich manganese crusts etc.

The maritime delimitation verdicts in 2012 and 2014 against Myanmar and India have allowed Bangladesh to establish her exclusive right over a large area in the BOB, which is almost the same size as her land area. This in turn has raised hopes of extracting "resources" that lies beneath and within the BOB. The marine-based economic activities through the management of BOB area and its resources may be considered as a new horizon for development of Bangladesh. Therefore, the opportunity to achieve 'Blue Economy' through flexible maritime policy and initiative utilizing public and private partnership is the most attractive option that awaits full exploitation and Bangladesh may achieve her long term goal in a short while through the concept of 'Blue Economy'.



Social Events

Social programmes are arranged for course members and families in order to make life at NDC more enjoyable



Ice Breaking - A Special Moment



A glimpse of Commandant's Garden Party



Welcoming Bangla New Year - 1422



Senior Ladies in Pohela Baishakh



Esho Mati Baishakhe : 1422



Ladies targeting Bull's Eye in Annual Picnic



Sports

Various sports competitions like cricket, tennis, golf and volleyball are organized by the college in order to provide much needed relief



Shot of the Day!



ND Team receiving Champion Trophy



The winners at Golf Tournament



Special Moment in Cricket Tournament

Ladies Club Activities

Ladies Club programme is an attraction for families of both Bangladeshi and allied course members



Chair Person with Committee of NDC Ladies Club



Developing expertise away from home



Performers of Ladies Club Programme



Audience in Ladies Club Programme



A Glimpse of Important Visitors



Admiral R K Dhowan	Chief of Naval Staff, Indian Navy	23 February 2015
Col Haji Abdul Hadi Bin Haji Saim	Commandant, Defence Academy, Brunei	03 March 2015
Gen Gaurav Shumsher Jung Bahadur Rana	Chief of Army Staff, Nepalese Army	10 March 2015
Lt Gen Sulaiman Fahad Al Fahad	Under-Secretary, Ministry of Interior, Kuwait	24 March 2015
Maj Gen Hassen Ibrahim Mussa	Ethiopian Delegation Team	06 April 2015
Air Chief Marshal Sir Stuart Peach	Vice Chief of Defence Staff, UK	19 April 2015
Brigadier R J Walton-Knight	Commander, 8 Engineer Brigade, UK	23 April 2015
Brigadier Abdullah A. Dashti	Commandant, Mubarak Al-Abdullah Joint Command & Staff College, Kuwait	28 April 2015



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