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## **EAG GLOSSARY OF TERMS AND DEFINITIONS SPECIFIC TO 5<sup>th</sup> GENERATION AIRCRAFT**

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### **PREFACE**

Terminology in this document has been compiled and approved by the EAG Nations by consensus.

The purpose of this glossary is to have a common understanding of terminology specific to 5<sup>th</sup> Generation aircraft in all domains (Ops, Log, FP, CIS and Cyber).

A formal request has been submitted to the NATO Terminology Office. Once the terminology becomes NATO Agreed Terminology it will be deleted from this glossary.

The NATOTerm database can be viewed online on <https://nso.nato.int/natoterm>.

### **FEEDBACK**

All suggestions concerning this glossary should be directed to:

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<b>Advanced Persistent Cyber Threat</b>	<b>APCT</b>	<b>Domain: CYBER</b>
Admitted term: /	Admitted abbreviation: /	
Definition:	<i>A set of stealthy and continuous hacking processes often orchestrated by human targeting a specific entity.</i>	
Source:	<i>Musa, S., 'Advanced Persistent Threat', Academia.edu. 2009, referred to in GBR Ministry of Defence, Joint Concept Note 1/18.</i>	
Note:	<i>APCT consists of three major components: advanced, persistent, and threat. Advanced signifies sophisticated techniques to exploit vulnerabilities in systems. Persistent indicates that an external command and control is continuously monitoring and extracting data from the target. Threat indicates the intent to attack as vulnerabilities are identified.</i>	
<b>Combat Cloud</b>		<b>Domain: ALL</b>
Admitted term: /	Admitted abbreviation: /	
Definition:	<i>An omnipresent, on-demand network based on configurable computing resources for data distribution and information sharing within a battlespace, enabling each authorized user, platform, or node to transparently contribute and receive essential information across the full range of military operations.</i>	
Source:	<i>USAF Operating Concept, March 2016.</i>	
Note:	/	
<b>Information Advantage</b>	<b>/</b>	<b>Domain: CYBER</b>
Admitted term: IA	Admitted abbreviation: /	
Definition:	<i>The advantage gained over a threat or opponent through the continuous, adaptive, decisive and resilient employment of information and information systems.</i>	
Source:	<i>RAF and GBR Ministry of Defence, Joint Concept Note 1/18.</i>	
Note:	/	
<b>Multi-Domain Command and Control</b>	<b>MDC2</b>	<b>Domain: ALL</b>
Admitted term: Multi-Domain C2 Multi Domain C2	Admitted abbreviation: /	
Definition:	<i>Command and Control architecture that directs and enables the simultaneous conduct of multiple operations across more than one domain, in an integrated manner.</i>	
Source:	<i>Col Joshua Conine, USAF (2017). Multi Domain Command and Control [PowerPoint slides], as quoted in JAPCC Journal Issue 25, 'Gateway to Multidomain Command and Control'.</i>	
Note:	<i>C2 organization that ensures multi domain operations to achieve stated objectives through the creation of the desired effects at the time and place of our choosing.</i>	

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Multi-Domain Operations	MDO	Domain: ALL
Admitted term: /	Admitted abbreviation: /	
<p>Definition: <i>Operations to conduct activities and generate effects across more than one domain, at the same time in an integrated manner.</i></p>		
<p>Source: <i>USAF Enterprise Capability Collaboration Team study. Reilly, J. Multidomain Operations. ASPJ, Spring 2016. Retrieved from: <a href="http://www.airuniversity.af.mil/Portals/10/ASPJ/journals/Volume-30_Issue-1/ASPJ-Spring-2016.pdf">http://www.airuniversity.af.mil/Portals/10/ASPJ/journals/Volume-30_Issue-1/ASPJ-Spring-2016.pdf</a>, as quoted in the JAPCC Journal Issue 25, 'Gateway to Multidomain Command and Control'.</i></p>		
<p>Note: <i>USAF Source not positively determined at this stage – more research required before this definition can be proposed. Study led by Brig Gen Saltzman USAF may also contribute.</i></p>		
Remote and Automated System	RAS	Domain: ALL
Admitted term: /	Admitted abbreviation: /	
<p>Definition: <i>A system that is activated remotely and programmed to logically follow a predefined set of rules.</i></p>		
<p>Source: <i>Musa, S., 'Advanced Persistent Threat', Academia.edu. 2009, referred to in GBR Ministry of Defence, Joint Concept Note 1/18.</i></p>		
<p>Note: /</p>		
Single Information Environment	SIE	Domain: CIS, CYBER
Admitted term: /	Admitted abbreviation: /	
<p>Definition: <i>A logical construct whereby assured information can pass unhindered from point of origin to point of need.</i></p>		
<p>Source: <i>Musa, S., 'Advanced Persistent Threat', Academia.edu. 2009, referred to in GBR Ministry of Defence, Joint Concept Note 1/18.</i></p>		
<p>Note: <i>The single information environment will include a single intelligence environment. (Defence Information Strategy, 2017).</i></p>		

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