



LONDON

AFCEA-UK London Newsletter

December 2009

Deadline for articles for the next Newsletter is April 2010

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Dear member,

This has been another busy year for the AFCEA London Chapter with some excellent evening presentations interspersed with other key events. The Golf Day in Jul 09 was a great success with superb support. Our thanks again goes out to Jez Nash for organising an excellent day; after sterling support to AFCEA over the last few years Jez has deployed and will retire after this tour - we wish him well in his new endeavours. Please give the 2010 Golf Day your full support to make it as successful as past events.

A thank you is extended from the membership to the outgoing President Air Cdre Tim Bishop and welcome to our incoming President Air Cdre Mark Neal.

London Chapter AFCEA meetings have been held at a number of venues but the aim is to make HMS President the primary venue. However, please check for venue changes when attending events. Details for forthcoming meetings can be found on the [AFCEA London webpage](#).

The theme for 09/10 is Exploiting Information and the proposal from Sep 10 is CYBER. TRCIS 10 is being planned for Jun 10 with details to follow. Members suggestions for presentations are always welcome and will help to keep the programme relevant to your needs.

www.afcea.org.uk

Sqn Ldr Darren Jones, Newsletter Editor.



Forthcoming Events



MOD Information Strategy
14 Jan 2010

Cyber Security Challenge UK
4 Feb 2010



Incoming London Chapter President Air Cdre Mark Neal thanks the outgoing President Air Cdre Tim Bishop at their formal handover following the Dec 09 Chapter event.

ADDRESS FROM THE INCOMING PRESIDENT

Air Cdre Mark Neal:

I am delighted to be taking up the Presidency of the London Chapter from January 2010 and very much look forward to working with you all in taking forward an exciting and challenging information agenda. We have decided to commit the next season to a focus on CYBER, beginning with TRICIS to be held in MOD Main Building in early June. I will aim to bring together a wide range of experts from Academia, Industry, Defence, Allies and wider Government to inform our debate, both at TRICIS and in our monthly gatherings thereafter. Meanwhile, I should like, on behalf of you all, to thank the outgoing President, Air Commodore Tim Bishop, for his sterling efforts at the helm over the past year; we wish him well in his endeavours in his new role supporting Operations from within the Directorate of Information Systems and Services.

CIPHER

Andrew Thompson & Walter Cormack,
Programme Director, Logica

4 Jun 09

The following has been written by Logica (and approved by MOD) for publication in the newsletter...

CIPHER is a UK MOD programme to modernise cryptographic devices and the key management and distribution systems which support them. The programme sits within DE&S's D ISS Networks team but has wider importance than MOD. The CIPHER management system will be designed to support a wide range of information assurance components (IACs) both for MOD and across Government as part of the Security Management Infrastructure (SMI) project which is part of the Information Assurance Technical Programme (IATP) being delivered through National Technical Authority (NTA).

The CIPHER programme today incorporates earlier discrete programmes under one unified umbrella. The MOD Future Crypto Programme (FCP) was an enabling programme for the replacement of existing High Grade End Crypto Units (ECU), increasing capability through the use of re-programmable and configurable devices. The Interoperable Electronic Key Distribution (IEKD) programme was to provide the system to distribute key and program material to such devices more efficiently and securely than current systems allow. At the same time, the SMI project sought to provide a pan-Government Security Management Infrastructure that will allow future Information Assurance (IA) components (e.g. firewalls, cryptographic functions and authentication services) to be initialised, configured, updated, and managed in a trusted & secure way. The overlap between these programmes was recognised at MOD Initial Gate stage, and they were brought together as CIPHER.



CIPHER has been in its Assessment Phase since November 2008. It is anticipated that the two consortia in the Assessment Phase, one led by Logica and the other by Thales, will enter a competitive bid stage in due course for the Delivery Phase of CIPHER.

ANNUAL AFCEA GOLF DAY

30 Jul 09

Mentmore Golf and Country Club,
Leighton Buzzard

This year's Annual AFCEA Golf Day was held for the third consecutive year at Mentmore Golf and Country Club, Leighton Buzzard. As with previous years, we were very well looked after by Brenda Scott and her events team and the golf courses were in excellent condition given the appalling wet weather we experienced throughout July. I am glad to report that with the exception of a brief, albeit heavy, **hailstone** shower the weather once again was kind to us.

The day started with a warm-up 9-hole Texas Scramble on the Rothschild Course after a leisurely start and ample bacon baguettes - unless of course you were representing Clarion Defence and Security Systems who, despite having one of the much later tee times, managed to miss their slot on the tee owing to some shoddy navigation and a reluctance to trust their satnav! There were a number of good scores posted during the morning's taster competition, and navigating around the hazards of the Rothschild did not pose any problem whatsoever for one team in particular. Readers of past Golf Day articles will not be surprised to learn that, as with so many occasions in the past, it was John Chapman who led his team to victory. The only difference between this and previous years is that having just recently retired from the RAF and joined Dell, John captained a team of civilians (plus a token *light blue* (yours truly)) to victory. I would like to thank Dell and Clarion Defence and Security Systems for sponsoring the event for the first time and extend a further thank you to our long-standing sponsors, namely Blazepoint, NetApp and Logica. It is by no means an overstatement to claim that the AFCEA Golf Day would simply not take place each year without their generous support.



President Air Cdr Tim Bishop presenting the winners of the morning Texas Scramble warm-up competition with their prizes.

The exertions of the morning were rewarded with a cheese ploughman's lunch and either a beer for the brave/disillusioned or an orange and lemonade for those in the hunt for fame and fortune - needless to say it was only the prospect of having to drive home later that kept me and the majority from having a beer!

Having had time to forget the frustration and misery of the morning round, the afternoon promised so much for so many; unfortunately the first hole once again rammed home just how immensely frustrating the game of golf can be for occasional golfers. Golfers full of enthusiasm and blind optimism took to the Roseberry Course for the main 18-hole Stableford competition. As eulogised by Phil Glenister in the Mercedes-Benz E Class advert, expectant golfers set off on their rounds seeking the “sweet sensation of a well hit golf ball”. Listening to the chat in the locker room afterwards, it was clear that the majority of us experienced that sensation at least once during the afternoon, but the delight taken from it was dampened by the numerous hooks, slices, tops, thins, fats, duffs and shanks that formed the remaining repertoire of shots executed during the round. However, banter was on hand and readily dispatched to those in danger of taking their golf too seriously.

Players washed, changed and instantly forgot their bad shots as they sat down to enjoy a 3-course dinner and the results of their endeavours. Prizes were up for grabs for the winners of the morning Texas Scramble; first and second place in the team and individual Stableford competitions; longest drive; and nearest the pin. However having recently supported my son at a football tournament where the participating teams were informed that their results would not be recorded owing to a Football Association directive, I think it is important I recognise that we now live in a society that frowns upon competition and shuns elitism. To this end, I have decided that it would not be fitting to mention that this year’s team competition was won by the Air Force Aces with Dell coming second; nor would it be right to congratulate Q Dixon who pipped John Chapman (yes him again) on count-back to win the individual competition; and it would be entirely inappropriate to single out Jasper Timmins for winning nearest the pin and David Bile for out driving the rest of the field by some margin on the longest drive hole.



Air Force Aces receiving first prize for the afternoon team competition from sponsor Logica.

Q Dixon receiving his prize for winner of the individual competition from sponsor NetApp.





Jasper Timmins receiving his prize for nearest the pin from sponsor Blazepoint Ltd.

David Bile receiving his prize for the longest drive from sponsor Clarion Defence and Security.



Now that I have finished not recognising those who dared to demonstrate talent and a competitive edge to their game, I would like to reiterate my thanks to the sponsors (Blazepoint, Clarion Defence and Security Systems, Dell, Logica and NetApp) who helped make the day viable and enable the Chapter to raise £189 which will help with its ongoing financial commitment to the Academic Trust. I would also like to thank all those who found the time to participate and help make the event another memorable occasion.

Jez Nash



Previous Events www.afcea.org.uk				
2 Sep 2009	Evening	HMS President	Information Exploitation—a Personal Story	David Lynam
1 Oct 2009	Evening	Inns of court	UK Cyber Security Chapter AGM	Henry Harrison, Detica
5 Nov 2009	Evening	HMS President	Future Networks—Enabling Defence Interoperability & Interconnectivity	Air Cdre Tony Boyle DE&S ISS
3 Dec 2009	Evening	HMS President	Key Systems Advisor: Turning the Tanker	Al Murray, KSA
Forthcoming Events http://www.afcea.org.uk/london/london_events_main.html				
14 Jan 2010	Evening	HMS President	MOD Information Strategy	Air Cdre Mark Neal
4 Feb 2010	Evening	HMS President	Cyber Security Challenge UK	Judy Baker
4 Mar 2010	Evening	HMS President	An update from the CCII Capability Area	Brig Neal Couch, Hd Cap CCII
25 Mar 2010	Lunch	RAF Club	Corporate Lunch	
Jun 2010	Day	Bowood Golf & Country Club, Calne, Wiltshire	AFCEA Golf Day	

Future Networks – Enabling Defence Interoperability and Interconnectivity

Air Cdre Tony Boyle,
Hd ISS Solutions

5 Nov 09

Air Cdre Boyle gave an engaging lecture on Future Networks – Enabling Defence Interoperability and Interconnectivity. The lecture was well received and thought provoking which led to a long question and answer session at the end.

He began by praising both the J6 Community and Delivery Partners who have consistently demonstrated agility, tempo and innovation in meeting today's operational challenges in the field of communications. He believes that as a community we are our own worst critics and continually undermine ourselves because we have not delivered the latest technology rather than taking stock and being proud of what remarkable achievements we actually have made. A potential reason for this is we work in a sphere where the technology is continually changing, and whilst aware of the latest gadgets we wish to deploy we must be mindful about the length of time to make something fit for Military purpose and the protracted procurement chain. He did allude that advancements had been made in this area however it appears to be limited to the UOR process.

To highlight an excellent delivered form of communication medium he recalled a story from a recent trip to Afghanistan. He was receiving a briefing from the late Lt Col Rubert Thorneloe, 1st Welsh Guards, when a CHAT message came in indicating that some of his troops had been injured. He noted how the Welsh

Guards responded to this message; later on in his visit around Helmand he discovered how 904 Expeditionary Air Wing (EAW), the Medical Emergency Response Team (MERT), including the Helicopter asset for the CASEVAC, and the ISTAR Detachment, had all instantaneously seen the same message, and how they had all reacted differently to the same important one line message. Whilst all had a very important part to play in this jigsaw, all the parts were different and the outcome from such a well rehearsed operation meant that the injured troops were being treated at Camp Bastion within 45 minutes thus reducing the important 'golden hour' by 15 minutes and vastly increasing their chances of survival from any wounds received. This reduction in time can be attributed to the use of the CHAT facility and the fact that all key players in theatre can seamlessly get instant and effective NEC delivered at the right time and in the right place.

Air Cdre Boyle then gave a brief overview of future potential solutions that might be delivered and touched on items such as cloud computing, introduction of COTS cellular technology, BLOS communications, increased use of UAVs and High Altitude Long Endurance (HALE) platforms to act as re-broadcast stations. Rather than going into the technical detail of such systems Air Cdre Boyle then informed the London Chapter of the collective communities need to steer away from the security model we are using today. He used an excellent analogy of comparing castles to airports to succinctly

bring the message home of our need to change how we address security in our communicating architecture. The fact that today we have our architecture configured like a castle and we wish to keep everyone outside of our castle. To ensure our information is safe we not only have one way in across a drawbridge over the moat around the castle but we have archers and sentries up above. Additionally to ensure safety we keep a wasteful stock of molten hot oil ready to pour on any transgressors in the unlikely event any turn up on our castle steps. This is overkill, which is a costly and time consuming approach but it does mean our information is safe; and all inside the castle can access the information. However the analogy then used an airport as an example to counter the castle argument where every man and his dog is welcome inside the airport terminal, where they speedily arrive by a plethora of transportation methods. However to get onboard an airplane certain protocols must be met, first to get past the check in desk you must have purchased a ticket and then to gain access to departures you have to go through passport control and under go security inspections. To do this you must have valid ID details and a ticket and not be carrying any prohibited items. However, if this approach was adopted then our access to information would be far slicker and give greater and faster access.

Another future approach that the Air Cdre proposed is to move away from the idea of procuring systems and move to the

concept of contracting for services to meet our information exchange requirements. Additionally we should look at industry and companies such as Google and how they operate their servers; Additionally how can You Tube afford to continually stream video at such a low cost, or how Amazon uses their virtual environment to such award winning leverage.

He finished with a slide of his predictions of what could be in and out for the future networks.

In summary - He covered several themes through out the evening that all could be utilised to improve future networks in the Military. All the themes where based on the idea of challenging current assumptions on network capacity/availability with the bottom line being that discrete, point to point solutions do not deliver highly integrated and interoperable military capabilities.

Martin Edwards



Whats In?	Whats Out?
All Informed Networks Information Security - Airports Services Incremental Delivery Continuous improvement – short term focus Risk Acceptance Open Architecture – Plug and Fight	Gateways ‘R’ Us Platforms Security - Castles Systems Big Bang Endless Stargazing - “Jam Tomorrow” Risk Aversion Free for all – Plug and Hope



MAJOR DATES FOR DIARY

CORPORATE LUNCH

25 Mar 10

RAF Club

TRICIS 10

9 Jun 10

MOD Main Building

AFCEA UK - Golf Day

Jun 10

Bowood Golf and Country Club, Calne, Wiltshire

How to find AFCEA London

**HMS President
RNR**

When monthly meetings are held at the:

**Royal Naval Reserve
72 St Kathrine's Way,
London, E1W 1UQ**

Directions are: -

1. Exit Tower Hill Tube Station (underpass to Tower of London) and follow footpath to Tower Bridge Approach underpass.
2. Enter St Katherine's Dock and head SW along Commodity Quay.
3. St Katherine's Way.
4. HMS President Press button to gain access.

Google Map

http://maps.google.co.uk/maps?f=q&source=s_q&hl=en-GB&geocode=&q=HMS+President,+St+Katherine+Dock&sll=51.506185,-0.071073&sspn=0.001937,0.005659&ie=UTF8&hq=HMS+President,+St+Katherine+Dock&hnear=&ll=51.506225,-0.071073&spn=0.001853,0.005659&t=h&z=18&iwloc=A

Multimap Link

<http://www.multimap.com/s/jCE1XrNZ>

**How to find AFCEA London
Alternative Venue**

**Inns of Court
TA Centre
10 Stone Buildings**

When monthly meetings are held at the:

68 (Inns of Court & City Yeomanry) Signal Squadron Headquarters, 10 Stone Buildings, London, WC2A 3TG

Directions are: -

1. Exit Chancery Lane Tube Station (Chancery Lane South) and straight ahead onto High Holborn.
2. In c.200 m turn left onto Chancery Lane.
3. The TA Centre is 100m down Chancery Lane on the RH Side.
4. First door that you come to: Press button labelled Officers Mess, and you will be let in.

Google Map

<http://maps.google.com/maps?f=q&hl=en&geocode=&q=10+Stone+Buildings,%C2%A0London,+WC2A+3TG&sll=51.526902,-0.121837&sspn=0.01618,0.045319&ie=UTF8&ll=51.517489,-0.113554&spn=0.008092,0.022659&z=16&g=10+Stone+Buildings,%C2%A0London,+WC2A+3TG&msa=0&msid=103765>

Multimap Link

<http://www.multimap.com/s/I9gBlxRC>

**How to find AFCEA London
Alternative Venue
TA Centre
Worship Street**

**How to find AFCEA London
Alternative Venue
ULOTC
TA Centre
Handel Street**

When monthly meetings are held at the:

TA Centre, Ashford House, Worship Street, London, EC2A 2

Directions are:-

1. Exit Liverpool St Station and turn left onto Bishopsgate
2. In c.400 m turn left onto Worship Street
3. The TA Centre is 200m down Worship Street on the RH Side
4. First door that you come to: Knock on the door and you will be let in.
If no reply Press button for Officers Mess.

When monthly meetings are held at the:

University of London Officers Training Corps, Yeomanry House, Handel Street, London, WC1N 1NP

Directions are:-

1. Exit Russell Square Tube Station (there is only one exit) and turn right onto Bernard Street.
2. In c.100 m turn left onto Hunter Street.
3. In c.250m turn left onto Handel Street.
4. The TA/UOC Centre is 25m down Handel Street on the RH Side.
5. First door that you come to: Press button 1 labelled QM Dept. and you will be let in.

Google Map

<http://maps.google.co.uk/maps?f=q&hl=en&geocode=&q=worship+st,+london&sll=51.521735,-0.08287&sspn=0.00777,0.022659&ie=UTF8&ll=51.520654,-0.081775&spn=0.008091,0.022659&z=16&q=worship+st,+london>

Multimap Link

<http://www.multimap.com/s/IFopXBDY>

Google Map

<http://maps.google.com/maps?f=q&hl=en&geocode=&q=ULOTC,+Yeomanry+House,+Handel+St,+Camden,+London+WC1N&sll=51.526902,-0.121837&sspn=0.01618,0.045319&ie=UTF8&ll=51.525475,-0.123797&spn=0.01618,0.045319&z=15&msa=0&msid=103765812372881255122.00043a575a22b3b07>

Multimap Link

<http://www.multimap.com/s/RDjBtgap>

AFCEA LONDON PROGRAMME – 2009/2010

The theme for the 2009/2010 season is Exploiting Information and this will lead to TRI-CIS 10 in Jun 10 which will focus on CYBER the theme from Sep 10.

AFCEA London meetings are open to Members and their guests and are normally held on the first Thursday of the month. Starting at 18.00 hrs (unless otherwise indicated on the programme). Please arrive promptly. Drinks are available at the bar and supper is timed for 18:45 hours, followed by the speaker for the evening (presentations are at UNCLASSIFIED level unless otherwise notified). Reservations and payments for the meetings should be made using the booking form available on the AFCEA web site (or exceptionally using the pro-forma at the end of the newsletter) and should be received by the Treasurer no later than the preceding Friday lunchtime.

How to join AFCEA London

Two types of AFCEA Membership are available — Individual or Corporate.

New membership and renewals now via the AFCEA International website
www.afcea.org.uk

Benefits of membership

<http://www.afcea.org/membership/corporate/CorporatesTop10.asp>

Individual

To join or renew your membership — please contact the Membership Secretary by Email for more details:

london.memb.sec@afcea.org.uk

Current Membership rates are:
\$35 ~ £22 per annum

\$85 ~ £53 for three years
NCO \$15 ~ £10

Lifetime (Age <=40) \$700 ~
£465

Lifetime (Age >40) \$400 ~ £248

Details on the AFCEA International website

<http://www.afcea.org/membership/>

Corporate

If your company would like to support AFCEA and take out a Corporate Membership permitting your staff to attend any of our events please contact the Membership Secretary by Email for more details:

london.memb.sec@afcea.org.uk

Membership rates depend on the size of organisation and allow a number of employees to attend.

Details on the AFCEA International website

<http://www.afcea.org/membership/corporate/>

MEETING RESERVATION/ BOOKING

The new preferred means of booking and payment for AFCEA London Events is electronically via the AFCEA UK website.

Please visit the website at:

http://www.afcea.org.uk/london/london_meeting_form.html

This page provides a link to allow members to book and pay online. Payment can be made securely via paypal using debit/credit card or paypal account.

Alternatively a printable Reservation Form is available or use the form on the next page of this newsletter.

Tube Map from TfL

<http://www.tfl.gov.uk/assets/downloads/tube-dlr-trams-and-train-travelcard-zones-map.pdf>

Transport Direct

<http://www.transportdirect.info>

MEETING RESERVATION FORM

This form is designed for booking the normal monthly meetings .

Time Bar opens 1800 hrs, Dinner 1845hrs, Presentation 2000hrs. All times approx -but we aim to finish by 21.30. Bar may open after the presentation.

Menu: A 3 course meal with wine & coffee.

Please complete the booking form below including your membership number and contact details including email and contact details for your guests, then if there are any changes to the stated programme we can let you all know. Please return with your cheque made payable to AFCEA London.

Are you going to invite a guest / friend / customer ?

Each meeting is open to members and their guests only. It is necessary to book using this form and to include payment. This should be received by AFCEA at the latest one week before the event. Price is £26 per head. The special rate of £21 is available to MOD employees, students and members who are not working. Everyone else please pay full rate. (Please provide all details requested & send a separate form for each event)

..... Separate here.....

To Chris Yorke
Compucat Europe Limited
The Mews
18-21 Church Gate
Thatcham
Berkshire
RG19 3PH

Please book now!

Please enrol the following for the meeting
on date

Membership number, Name, Representing, E mail---

(If you have special dietary requirements please provide details here).

I enclose a cheque to the value of £..... payable to AFCEA London

NameSigned Telephone

E Mail

Please ensure that all requested information is provided each time you book then you will be contacted only if the event is changed, cancelled or you were too late to gain a place.

Receipts are not sent out but may be obtained from the treasurer on request on the evening

Directions to the venue can be found in the newsletter.

Preferred method of booking is electronically via the AFCEA UK website.
http://www.afcea.org.uk/london/london_meeting_form.html