

# International Organization on Computer Evidence (IOCE) and IOCE Annual Conference 2009

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## European LE's DF Community

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- ENFSI-FITWG (European Network of Forensic Science Institute – Forensic IT Working Group)

Member: Forensic Labs dealing with forensic information technology in Europe.

Activity: Annual FIT-WG Meetings since 1998

Document: **Guidelines for Best Practice in the Forensic Examination of Digital Technology**

- Quality Assurance (4 key roles in Labs, etc.)
- Location & Recovery of Digital Evidence at the Scene
- Laboratory Examination
- Presentation of Written Evidence etc.



# North American LE's DF Community

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- **SWGDE** (Science Working Group on Digital Evidence)

Participants: Federal, State & Local LEs in North America

Activity: Periodical Meetings since 1998

Document: **“Best Practice for Computer Forensic”**

- Evidence Handling (Stand-alone PC, Networked PC, Server)
- Forensic Imaging/Forensic Analysis/Examination
- Documentation/Reports etc



## Asia Pacific LE's DF Community

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- IOCE Asia Pacific Working Party

Member: Australia, Hong Kong, Japan, Korea,  
Malaysia, New Zealand, Singapore,

Activity: 1st Meeting will be held in Dec. 2009

Document: Various documents will be proposed  
from members and discussed at the  
1st IOCE APAC Working Party Meeting.



## Other LE's DF Community

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- No regional LE's DF community other than European, North American and Asia Pacific communities
- Although global academic DF communities exist, they cannot appropriately discuss LE's DF issues.
- No active global LE's DF Community in these years
  - >In the past, IOCE was global LE's DF Community
  - >IOCE Board decided to resume its activity



# Abstract of International Organization on Computer Evidence (IOCE)

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- Purpose: "Provide an international forum for law enforcement agencies to exchange information concerning computer investigation and computer forensic issues"
- Annual Conferences: 1995 – 2002 (Australia, France, Netherlands, UK, US)
- > Appointed to draw int'l principle for DF procedure by G8 in 1998
- Board Meeting: 2005 (Netherlands), 2006 (US), 2008 (Spain)
- Documents:
  - Principles for the Procedure relating to DE
  - Guidelines for Best Practice in the Forensic Examination of Digital Technology, etc.



## Results of IOCE Board Meeting in Oct. 2008

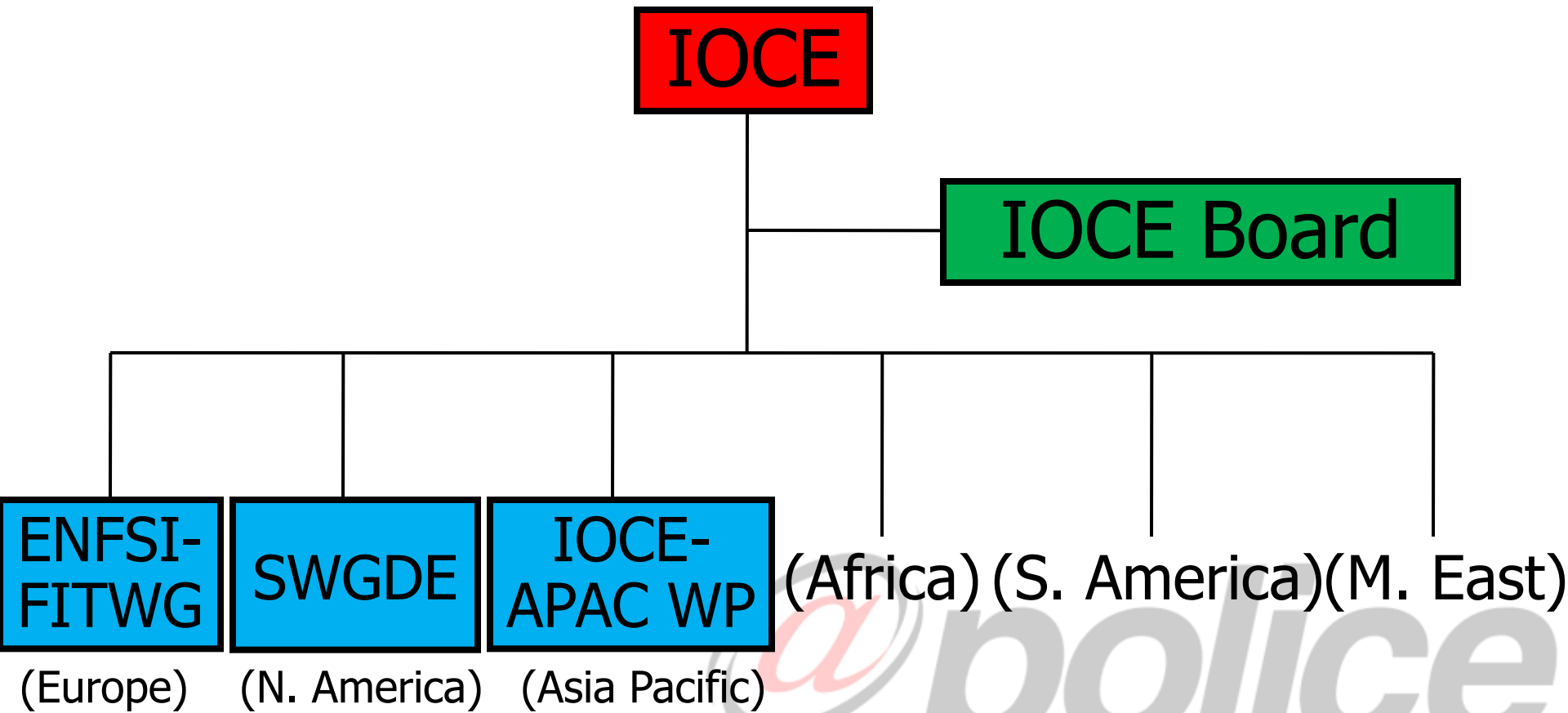
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- New Working Party formed in the Asia Pacific Region. This will become the equivalent of ENFSI-FITWG & SWGDE for the APAC Countries
- Membership of IOCE will be enhanced with all major LE & Govt. digital forensics institutes approached to be represented
- Expansion of the IOCE board members proposed to include representation from recognised Regional working parties (such as ENFSI-FITWG and SWGDE)
- Encourage new working parties in Regions currently without representation (South America, Middle East, Africa).



# Structure of IOCE

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# The Board of IOCE

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- Board Members of IOCE

#Chairperson: Richard Koning (Netherlands Forensic Institute)

#Vice Chairperson: Paul Jackson (Hong Kong Police)

#Secretary: Mary Horvath (Federal Bureau of Investigation)

#Executive Director: Yoichi Kumota (NPA of Japan)

#Executive Director: Keith Foggon (Financial Services Authority)

#European Regional Rep.: David Compton (Forensic Science Service)

#Asia Pacific Regional Rep.: Brian Diplock (Australia Federal Police)

#North American Regional Rep.

#South American Regional Rep.

#African Regional Rep.

#Middle East Rep.



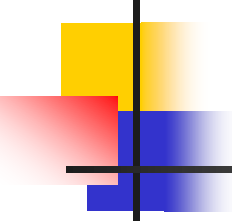


# How can IOCE integrate with existing groups?

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- IOCE does not intent to replace existing organisations
- Simply, IOCE can bring together regional groups to better share documents, frameworks and research on a global basis
- NPA will host next major meeting in Dec. 2009.
- IOCE is looking to cooperate with international political frameworks such as INTERPOL.
- >IOCE will provide with its global DF expertise.

# What does the IOCE aim to accomplish?



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- **Issues which IOCE will deal with ...**
  - Standard Operating Procedures (SOPs)
  - Forensic Tool Testing
  - Staff Certification and Competencies
  - Training Course Development
  - Methodologies
  - Laboratory Accreditation
  - Research and Development



## Details of IOCE Annual Conference in Tokyo

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- Dates: **December 9-11, 2009**
  - Venue: **Conference Facility in Tokyo**
  - Attendants: **Full Members** (Restricted to recognized Law Enforcement and Government entities with digital forensic capabilities) & **Associate Members** (Other organizations, academia or commercial entities with endorsement from a full member organization within the state)
- > Please visit NPA's HP (<http://www.cyberpolice.go.jp/english/IOCE2009>) or IOCE's HP (<http://www.ioce.org/>) in more detail.



# Draft Agenda in IOCE Annual Conference in Tokyo (under discussion)

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- Digital Forensic Best Practice
  - Establishing an accredited Laboratory
  - Procedure (Live forensic, Handling of devices from frontline to analysis, Development of a certain degree of forensic work in frontline units, Procedures for large scale forensic investigation, etc.)
  - Guidelines for managers
- Quality in Digital Forensic
  - Proficiency Testing
  - Training Requirement
  - Tool Testing and validation



# Cooperation between IOCE & ICPO

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- **ICPO also considers global DF standard is important.**

“..., calls for the establishment of digital evidence standards to be applied globally to ensure the admissibility of such evidence in cross border cases, ...” (Resolution No. AG-2008-RES-08)

- **It is difficult for ICPO to implement all the forensic projects in ICPO solely, due to a lack of the resource.**
- **It is difficult for IOCE to gather many digital forensic experts in South America, Africa and Middle East.**
- **IOCE does not have appropriate infrastructure to disseminate the created documents to the world.**



# Result of Meeting with ICPO SG (1)

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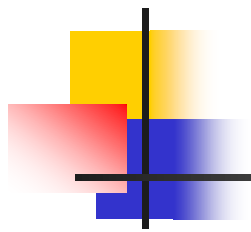
- ICPO would like to cooperate with IOCE.
  - ICPO will ask IOCE to create DF int'l standard (ex. DF Manual)
  - ICPO will ask DF experts, who participate in IOCE activities, to gather as members of incident response team.
- IOCE would like to cooperate with ICPO
  - IOCE will announce conference call through ICPO channel.
  - IOCE will cooperate with ICPO to encourage S. America, Africa and Middle East to create LE's DF communities.
  - IOCE will distribute the created document through ICPO.



## Result of Meeting with ICPO SG (2)

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- ICPO SG will accredit IOCE as an advisory body about DF issues.
- As a first step to cooperate between IOCE and ICPO, ICPO has an intention to co-host IOCE Annual Meeting 2009 in Tokyo and IOCE Annual Meeting 2010 in Lyon.
  - > Through these meetings, IOCE and ICPO will discuss the cooperation in more detail.
- IOCE & ICPO can compensate the weakness each other



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Thank you !!

*@police*