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# Police Cybercrime Training: Strategies, Delivery and Perceptions

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# Context

- Funded by Police Knowledge Fund (College of Policing/HEFCE)
- Sought to explore every aspect of the investigation of cyber crime in a large regional force
- 12 workstreams developed (on the basis of a Needs Analysis) and this presentation pertains to one
  - ‘Assessment of Cybercrime Training’

# Background

- Police training/education is of perennial interest (Bryant et al 2013)
- Concerns over everything from level of learning to pedagogic strategies
- From “*acquisition and transfer*” to “ ‘participation’ and ‘becoming’ ” (Heslop, 2011, p. 327)
- Tension between ‘theoretical’ and ‘real knowledge’ (Chan et al, 2003, p. 304)



# Specific Issues Pertaining to Cyber Training

- Success relies on skilled/motivated staff, not just high quality training (Marcum et al, 2010)
- Skills/confidence of front line staff (Holt and Bossler, 2012)
- Differentiation between local/national responses
- Lack/absence of appropriate in-service training  
Cummins-Flory (2016)
- ‘Hyper-connectivity’ and mundane offences (Wall and Williams, 2013, p. 410)

# Specific Issues Pertaining to Cyber Training (continued)

- Cyber knowledge as ‘Core’ or ‘Specialised’ knowledge (HMIC 2015)
- The need for ‘general digital awareness’ (PA Consulting Group (2015, p. 16)
- “We recognise, however, that bringing the handling of digital crimes within the general skillset of every police officer and member of police staff means that it is essential that they, in turn, have the necessary understanding of the technology” (HMIC, 2015, p. 30)

# Key Themes Identified in the Literature

- Evidenced Knowledge V Experiential Knowledge
- Quality of Training
- Resources
- Positioning of Knowledge within the Organisation
- E-learning

# Method

- Questionnaire circulated to all officers who had undertaken cyber training in the organization (circa. 600)
- Compared experiences of Online, Face to Face, Workshop and Q and A.
- Included some free text options to generate qualitative data
  
- Aimed to Answer these Questions
  - i. What are the characteristics and differences between training styles, in terms of
    - the Format, Satisfaction, Relevancy, Usefulness of knowledge, Increase of knowledge,
    - and Increase of skills and Increase of job performance?
  - ii. Is there a training style preferred by the participants?



# Findings

- Quantitative
  - Face to Face (i.e. Traditional) training methods were significantly favoured over e-learning packages
- Qualitative
  - Online learning (advantage) 'Flexible'
  - Online learning (disadvantages) 'Superficiality of learning', 'Complexity', 'Questions', 'Lack of interaction'
  - Face to Face learning (advantages) 'Clarification', 'Interaction', 'Knowledge/Skill of Trainers', 'Ease of Learning', 'Sharing of Experiences'
  - Face to Face learning (disadvantages) 'Nothing/NA', 'Time to Travel/ Participate', 'Mixed Ability of Learners', 'Too Long/Too Intense', 'Relevance to Role'.



# Discussion

- Evidenced Knowledge V Experiential Knowledge
- Quality of Training
- Resources
- Positioning of Knowledge within the Organisation
- E-learning

# Conclusion

- Cyber training, in this organisation, presented a real mix of practical, strategic and cultural challenges.
- Practical issues including estate, capacity, hardware issues
- Strategic issues included that of about where to situate cyber skills in the organization
- Cultural resistance to adding cyber skills to the generic officer role.

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