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# The ISO PPST Guide – Tool or Irrelevance?

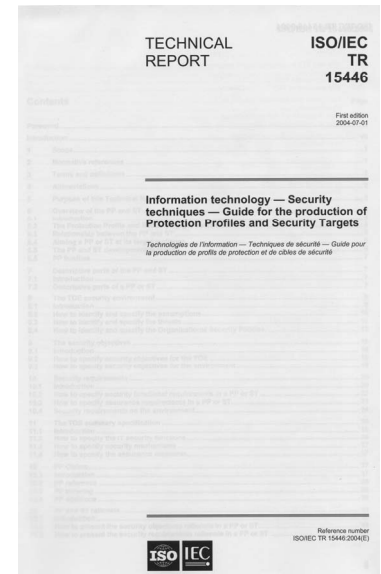
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# What is ISO/IEC TR 15446?

- Guide for the production of Protection Profiles and Security Targets
- A Technical Report
  - *Not Quite A Standard*
  - *In this case, an advisory guide.*
- ISO Document, not endorsed by CCDB
  - *Refers exclusively to ISO/IEC 15408*
  - *But actually equally applicable to CC V2.1*



# History

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- Need for supporting document to CC/15408 identified:
  - *First Draft 1996*
  - *Approved for Publication 2000*
  - *Published 2004*
  - *Available for Free Download 2005*
  
- Not an example of prompt and efficient standardisation!
  
- Why?

# Personnel

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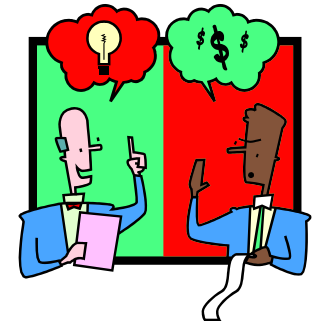
- Large document, therefore key role for editor
- Editor assigned other work responsibilities by employer
- Eventually resigned editorship and left WG3
- Hiatus before this speaker took over



# Consensus

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- Standards Working Groups work by consensus
- Guidance is subjective and best practice continually develops
- Difficult to avoid revisiting past decisions



# Availability

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- Standards Bodies make lots of money from selling standards
  - *BSI: TR 15446 GBP 160*
  - *ANSI: TR 15446 USD 165*
  - *JSA: TR 15446 JPY 20,034*
- Reluctant to permit free downloading
- And to advertise it when it exists!



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A Reminder:  
ISO/IEC TR 15446:2004 is available for free  
download from:

[http://isotc.iso.org/livelink/livelink/fetch/2000/  
2489/Ittf\\_Home/ITTF.htm](http://isotc.iso.org/livelink/livelink/fetch/2000/2489/Ittf_Home/ITTF.htm)

(select “freely available standards” and page  
through list)

# What Does It Contain?

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- Section by Section guidance for PP and ST Contents
  
- Appendices:
  - *Guidance Checklist*
  - *Generic examples of threats, policies etc.*
  - *Section on cryptographic functionality*
  - *Three worked examples:*
    - *Firewall PP, Database PP, Trusted Third Party PP*



# Origin

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- Produced by people trying to understand new criteria, not people passing on real-world experience
- Mainly produced by evaluators, not product and system developers
  - *Very little on identifying threats, policies, assumptions*
  - *Nothing on composition, evaluation reuse etc.*

# Consequences

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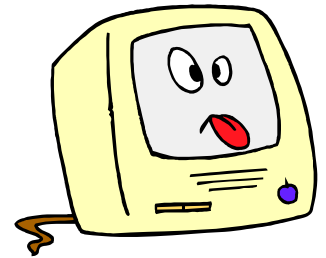
- Mainly about “What”, not “How” or “Why”
- Applicable to and influenced CC V2, much less relevant to CC V3



# How Useful Is It?

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- Varies from section to section
- Often helpful, but not in depth
- Worked Examples now obsolete
  - *Produced originally against CC V1*
  - *Better models (real PPs) exist*
  - *No proper examples of STs*



# The Future

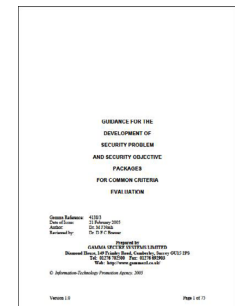
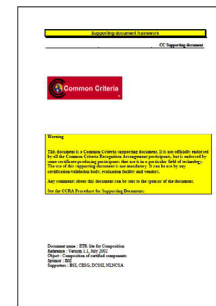
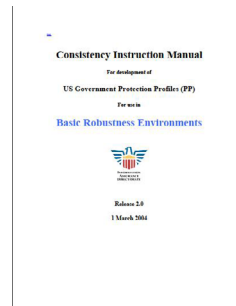
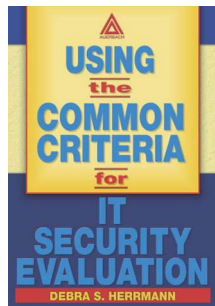
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- Is it worth updating?
- Does it need to be no-cost downloadable?
- Is its scope right?



# Is It Worth Updating?

- Other sources of information now exist
  - *Books explaining CC*
  - *Consistency Instruction Manuals*
  - *“Supporting Documents”*



- Are best methods proprietary?

# “No Cost” Availability

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- Very hard to get no-cost availability for current document
- The rules have been changed to stop it happening again!
- Really needs CCDB endorsement and joint publication to remain Free of Charge



# Best Practice

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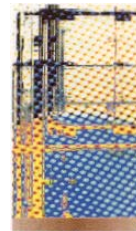
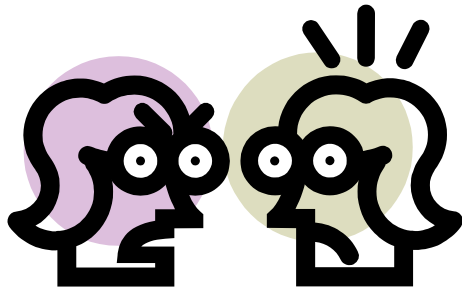
- Proprietary Knowledge and Techniques
- Will experts in writing PPs and STs be allowed to contribute?
- Can published PPs/STs be recommended as examples?
- Can experts be bothered to contribute?



# What Should the Scope be?

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- Should it include examples?
- How should it deal with contentious areas?
- Should it cover threat and policy identification?



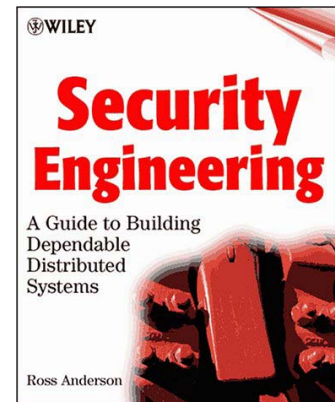
**The ISO/IEC Common Criteria for Information Technology Security Evaluation could benefit from focusing on development, rather than evaluation, to provide assurance.**



# What About “Why” and “How”

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- More subjective, often contentious
- Are reasons and techniques important or not?



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# What Does the Audience Think?

*Over to you*

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