

# Who am I?

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- Director, Consumer Desktop Desktop Development
  - working on an ubuntu-based\* virtual desktop
  - this presentation running from virtual desktop

# What do I do?

- I work on standards based systems.
- I have worked on the IETF IPsec (VPN) specifications since 1994.
- rfc1829 (series), rfc2401, rfc4301.

# history of the IETF.

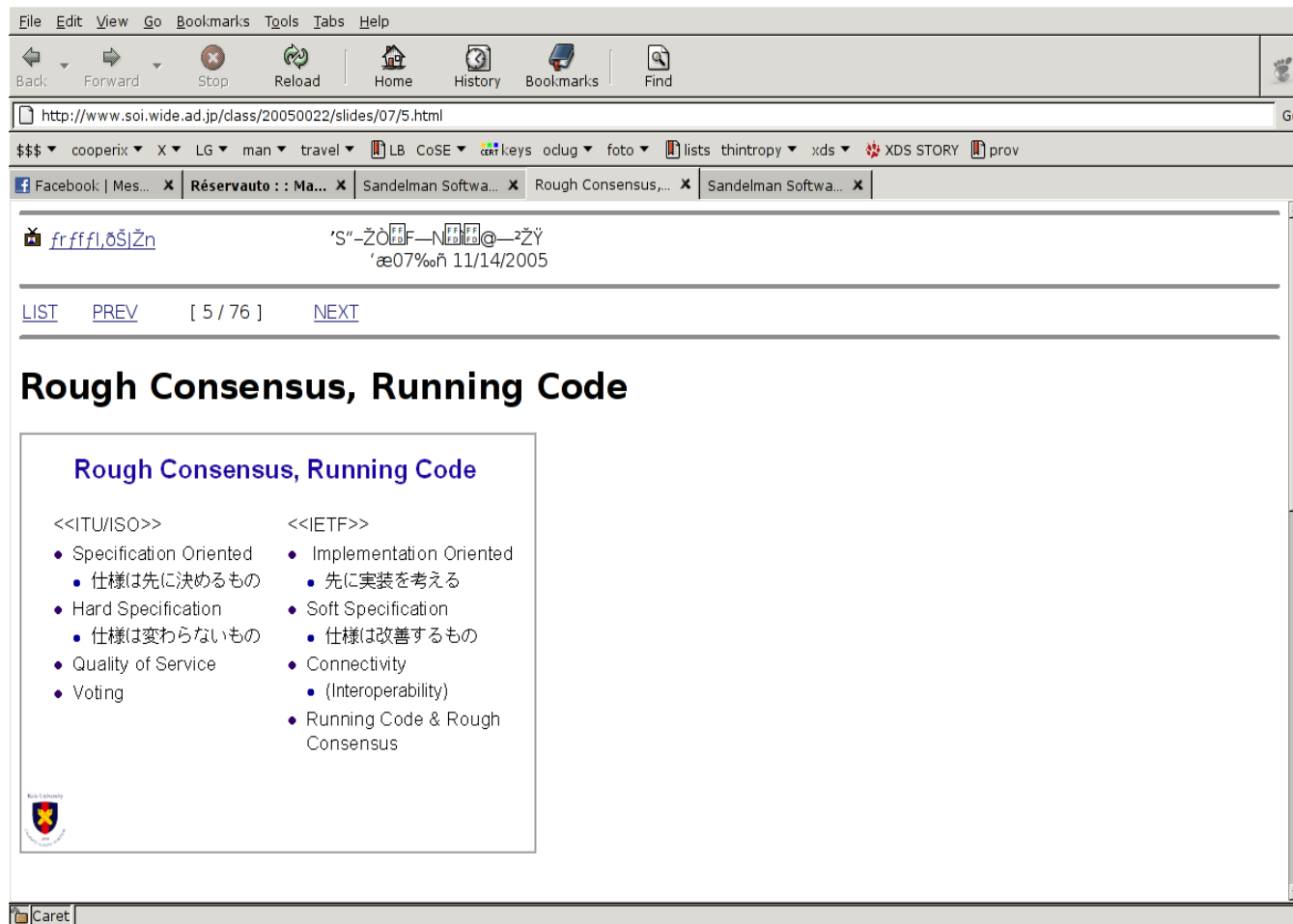
- T-shirt

# what is an RFC.

- Why? "Not all RFCs are standards"
- Request For Comments.
  - 6 kinds: Informational, Best Current Practices, Experimental, Proposed Standard, Draft Standard, Full standard.
- Full standards are few, actually.
- Internet drafts, i.e. "draft-ietf-btms-ampireq-00.txt"

# how is the IETF "different"?

- google for “Rough Consensus and Running Code”



The screenshot shows a web browser window with the following elements:

- Address Bar:** `http://www.soi.wide.ad.jp/class/20050022/slides/07/5.html`
- Navigation Bar:** Back, Forward, Stop, Reload, Home, History, Bookmarks, Find.
- Browser Tabs:** Facebook | Mes..., Réservauto :: Ma..., Sandelman Softwa..., Rough Consensus..., Sandelman Softwa...
- Page Content:**
  - Navigation links: [LIST](#), [PREV](#), [ 5 / 76 ], [NEXT](#)
  - Rough Consensus, Running Code**
  - Rough Consensus, Running Code** (Section Header)
  - Comparison table:

<<ITU/ISO>>	<<IETF>>
<ul style="list-style-type: none"><li>• Specification Oriented<ul style="list-style-type: none"><li>• 仕様は先に決めるもの</li></ul></li><li>• Hard Specification<ul style="list-style-type: none"><li>• 仕様は変わらないもの</li></ul></li><li>• Quality of Service</li><li>• Voting</li></ul>	<ul style="list-style-type: none"><li>• Implementation Oriented<ul style="list-style-type: none"><li>• 先に実装を考える</li></ul></li><li>• Soft Specification<ul style="list-style-type: none"><li>• 仕様は改善するもの</li></ul></li><li>• Connectivity<ul style="list-style-type: none"><li>• (Interoperability)</li></ul></li><li>• Running Code &amp; Rough Consensus</li></ul>

The slide also features a small logo in the bottom left corner and a status bar at the very bottom showing 'Caret'.

# How is the IETF managed?

- management by “volunteers”
- IESG “management”, 13 people who spend 50% of their time on this.
- 7 areas: Security, General, Applications, Internet, Operations&Management, Transport, Realtime Applications Infrastructure\*
- randomly chosen volunteers for nominations committee

# structure of a standard

- standard
- how to read a standard
- RFC2119 “MUST”, “SHOULD”
- Security Considerations
- IANA Considerations
- the standards process **is** an RFC:  
RFC2026.

# how to participate in the standards process

- got an email address?
- got a text reader?
- got a computer?
- ~~got your network protocol designer's license?~~
- ~~make sure that you work for a big telco company~~



# where the IETF fails/falls down

- interoperability is someone else's problem
- but, critical for advancement
- lack of interoperation is nobody's problem
- Intellectual Property Rights are strange
  - vs debian free software guild
- compliance testing

"This I wish the IETF could do,  
but doesn't"

- fund open source reference implementation
- do negative testing/compliance testing