RFC Editor Tutorial

IETF 68 Prague, Czech Republic 18 March 2007

Overview of this Tutorial

- 1. Background: The RFC Series and the RFC Editor
- 2. The Publication Process
- 3. Contents of an RFC
- 4. How to Write an RFC
- 5. Conclusion

1. The RFC Series

- Earliest document series to be published online.
 - 1969 today: 38 years old.
 - 4500+ documents.
- An ARCHIVAL series: RFCs are forever!
- A comprehensive record of Internet technical history

RFCs

- RFC document series
 - Begun by Steve Crocker (RFC 3) and Jon Postel in 196^c
 - Informal memos, technical specs, and much more.
- Jon Postel quickly became the RFC Editor.
 - 28 years: 1970 until his death in 1998.
 - He established and maintained the consistent style anc editorial quality of the RFC series.
 - Jon was a 2-finger typist.

Jon Postel

Postel had an enormous influence on the developing ARPAnet & Internet protocols – the "Protocol Czar" and the "Deputy Internet Architect" as well as the IANA and RFC Editor.

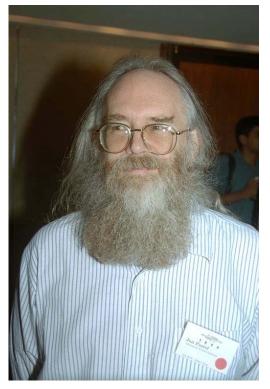
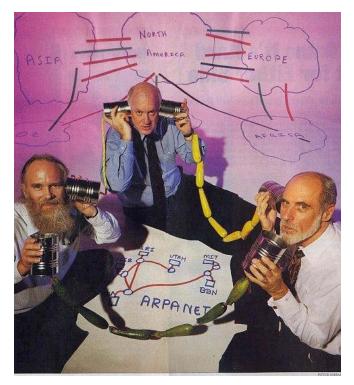


Photo by Peter Lothberg – IETF34 Aug 1995



Newsweek Aug 8, 1994

Historical Context of RFC Series

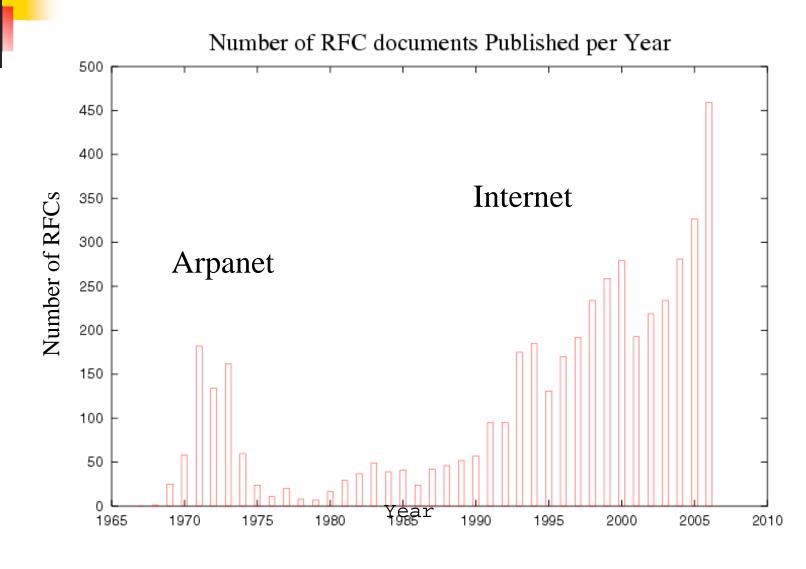
- 1969: Building ARPAnet
- 1975: TCP/IP research begun ~RFC 700
 Recorded in separate IEN series
- 1983: Internet born 1 Jan
- 1985: IETF created
- 1993: Modern IESG/IAB org
- 1998: Postel passed away
- Today

~RFC 830

RFC 1

- ~RFC 950
- ~RFC 1400
- ~RFC 2430
- ~RFC 4800

RFC Publication Rate



Jon Postel's Playful Side

- April 1st RFCs
 - A little humorous self-parody is a good thing...
 - Most, but not all, April 1st RFCs are satirical documents.
 - We expect you can tell the difference ;-)
- April 1st submissions are reviewed for cleverness, humor, and topical relation to IETF themes.
 - Avian Carriers is famous (RFC 1149)
 - Evil Bit is a favorite (RFC 3514)
- April 1st submissions are the only RFCs-to-be that do not need to be published as Internet-Drafts. Please send directly to <u>rfc-editor@rfc-editor.org</u>.

The RFC Editor today

- A small group at Jon's long-term home,
 - the Information Sciences Institute (ISI) of USC.
 - ~6 FTEs
- Under contract with ISOC/IASA
- Current leadership:
 - Bob Braden, colleague of Postel 1970-1998.
 - Sandy Ginoza, editor of RFCs for 7 years.
- RFC Editorial Board
 - Provides advice and counsel to the RFC Editor, particularly about independent submissions.

The RFC Editor Web Site

http://www.rfc-editor.org

- Official repository and master index of RFCs
 - <u>ftp://ftp.rfc-editor.org/in-notes/rfc-index.txt</u>, <u>.xml</u>
- Search engines for RFCs, Internet Drafts
- "Official Internet Protocols Standards" list
- RFC publication queue
- Policy changes, news, FAQ, and more
- Errata (see next slide)

Errata Page

www.rfc-editor.org/errata.html

- A list of technical and editorial errors that have been reported to the RFC Editor.
- Verified by the authors and/or the IESG, unless marked "UNVERIFIED".
- The RFC Editor search engine results contain hyperlinks to errata, when present.

Pending errata - a file of emails

ftp://ftp.rfc-editor.org/in-notes/pending-errata/pending-errata.msgs

 Claimed errata that have been reported to the RFC Editor, but not yet verified or posted to errata.html.

RFCs and the IETF

- It was natural to adapt the existing RFC series to publication of Internet standards specifications.
 - Informally: mid 1980s
 - Formally: RFC 1602 (1994), RFC 2026 (1996)

RFC Categories

RFC 2026 defines specification maturity levels:

- Standards track: Proposed, Draft, Standard.
- Non-standards track: Experimental, Informational, Historic.
- "Almost standard": Best Current Practice.
- Shown on RFC header as "Category:"
 - Except, one category "Standards Track" for PS, DS, S.
 - Often called "status".
- A published RFC can NEVER change, but its category can change (see rfc-index.txt).

Sources for RFCs

- IETF submissions
 - Mostly products of Working Groups
 - Rest are *individual* submissions via the IESG.
 - Submitted to the RFC Editor by the IESG after approval process [RFC2026].
 - Independent submissions
 - Submitted directly to the RFC Editor
 - See <u>http://www.rfc-editor.org/indsubs.html</u>
 - IAB submissions
 - Submitted directly by IAB Chair
 - IRTF submissions
 - Submitted directly by IRTF Chair

Review of Independent Submissions

- Only Experimental or Informational category.
- RFC Editor finds competent reviewer(s), with advice and aid from the Editorial Board.
- Possible conclusions:
 - Out of scope for RFC series.
 - Incompetent or redundant, not worth publication.
 - Important, but should go through IETF process first ("Throw it over the wall to the IESG!")
 - Serious flaws report to author, reject for now.
 - Suggest changes to author, then OK to publish.
 - Great! Publish it.
- IESG reviews for conflict with any WG, makes publish/do-not publish recommendation.
- RFC Editor has final decision, with advice from Editorial Board

RFC Sub-Series

- All RFCs are numbered sequentially.
- There was a desire to identify significant subsets of RFCs, so Postel invented "sub-series". An RFC may have a sub-series designator.
 - e.g., "RFC 2026, BCP 9"
- Sub-series designations:
 - BCP Best Current Practice category
 - STD Standard category
 - FYI Informational category: user documentation

STD Sub-Series

- Originally: all protocol specs were expected to quickly reach (full) Standard category.
 - Then the STD sub-series would include all significant standards documents.
 - Of course, it did not work out that way; most standards-track documents do not get beyond Propose Standard.
 - See "Official Internet Protocol Standards"
 - See: <u>www.rfc-editor.org/rfcxx00.html</u> (occasionally published a STD 1) for the REAL list of current relevant standards-track docs.

STD Sub-Series

- STDs were overloaded to represent "complete standards"; one STD # can contain multiple RFCs.
- Examples:
 - STD 5 = "IP", includes RFCs 791, 792, 919, 922, 950, 111
 NB: When multiple RFCs make up a sub-series doc (for example, <u>ftp://ftp.rfc-editor.org/in-notes/std/std5.txt</u>) the file starts with [Note that this file is a concatenation of more than one RFC.]
 - STD 13 = "DNS", includes RFCs 1034, 1035
 - STD 12 = "Network Time Protocol", currently no RFCs.

STDs as Protocol Names

- Really, "RFCxxxx" is only a document name.
 - But, people often talk about "RFC 821" or "821" when they mean "SMTP".
- As protocols evolve, RFC numbers make confusing names for protocols. Postel hoped that STD numbers would function as protocol names.
 - But reality is too complicated for this to work well.
 - It HAS been working for BCPs.
- We need a better way to name protocols.
 - ISD (Internet Standards Document) proposal ??

2. RFC Publication Process

- Overview from the Authors' Perspective
- More Details on Queue States

Overview from the Authors' Perspective

- Step 0: Write an Internet-Draft
 - IESG approval -> your document is added to the queue
- Step 1: Send your source file (if you have one).
 - questions from the RFC Editor
- Step 2: Answer questions.
 - > AUTH48 notification with a pointer to the edited version
- Step 3: Review your document carefully and send changes / approvals for publication.
- Step 4: See your document progress.
- Step 5: Publication!

Step 0: Write an Internet-Draft

- A well-formed RFC starts with a wellformed I-D.
 - <u>http://www.ietf.org/ID-Checklist.html</u>
 - http://www.ietf.org/ietf/1id-guidelines.txt
 - Authoring tools
 - http://www.rfc-editor.org/formatting.html
 - http://tools.ietf.org//inventory/author-tools
 - More on this later.

A Generic Case: draft-ietf-wg-topic-05

Let's say your document has been approved by the IESG...

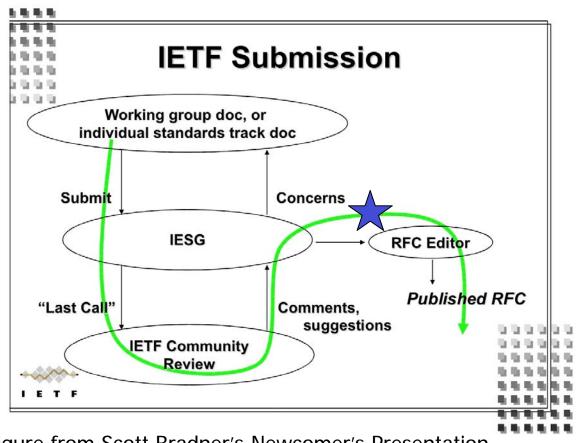


figure from Scott Bradner's Newcomer's Presentation

Step 1: Send your source file.



From: rfc-editor@rfc-editor.org

Subject: [RFC State] <draft-ietf-wg-topic-05> has been added to RFC Editor database.

- Your document has been added to the queue (www.rfc-editor.org/queue.html).
- Please send us your nroff or xml source file.
 - Let us know if there are any changes between the version you send and the IESG-approved version.
- If you don't have one, don't worry, we will use the Internet-Draft text to create an nroff file.

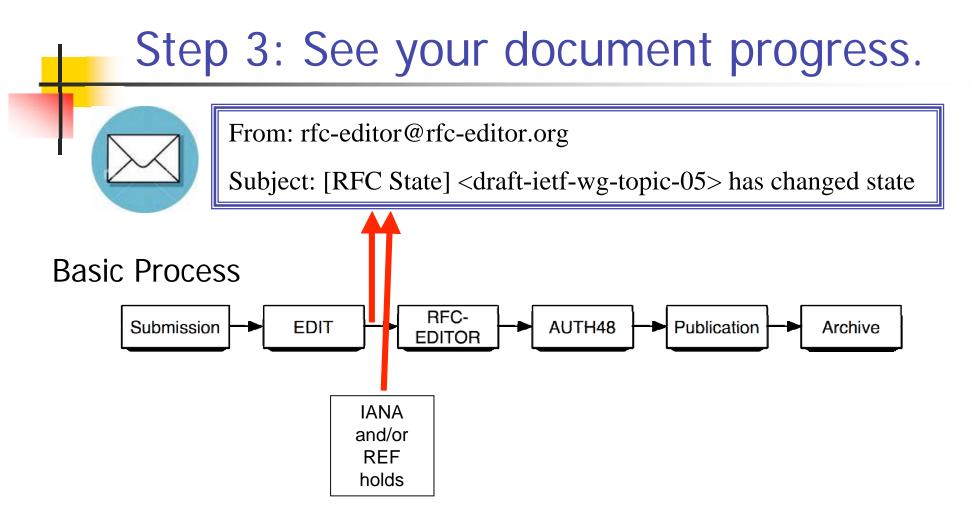
Step 2: Answer questions.



From: rfc-editor@rfc-editor.org

Subject: draft-ietf-wg-topic-05

- Please reply to questions about your draft.
 Typically, these questions are about
 - missing citations
 - Ex: [RFC4301] appears as a normative reference, where would you like to cite it in the text?
 - inconsistent terminology
 - Ex: Which form of the term should be used throughout? RESTART Flag / Re-Start flag / Restart Flag
 - unclear sentences



Also, you can check http://www.rfc-editor.org/queue.html

Step 4: Review your document carefully



From: rfc-editor@rfc-editor.org

Subject: AUTH48 [SG]: RFC 4999 <draft-ietf-wg-topic-05>

- This is your chance to review the edited version.
- We send pointers to the txt and diff files
 - and the XML file (when AUTH48 in XML)
- Submit changes by sending OLD/NEW text or indicating global changes.
 - Insert directly into the XML file (when AUTH48 in XML)
- Each author listed on the first page must send their approval before the document is published.

Step 5: Publication!

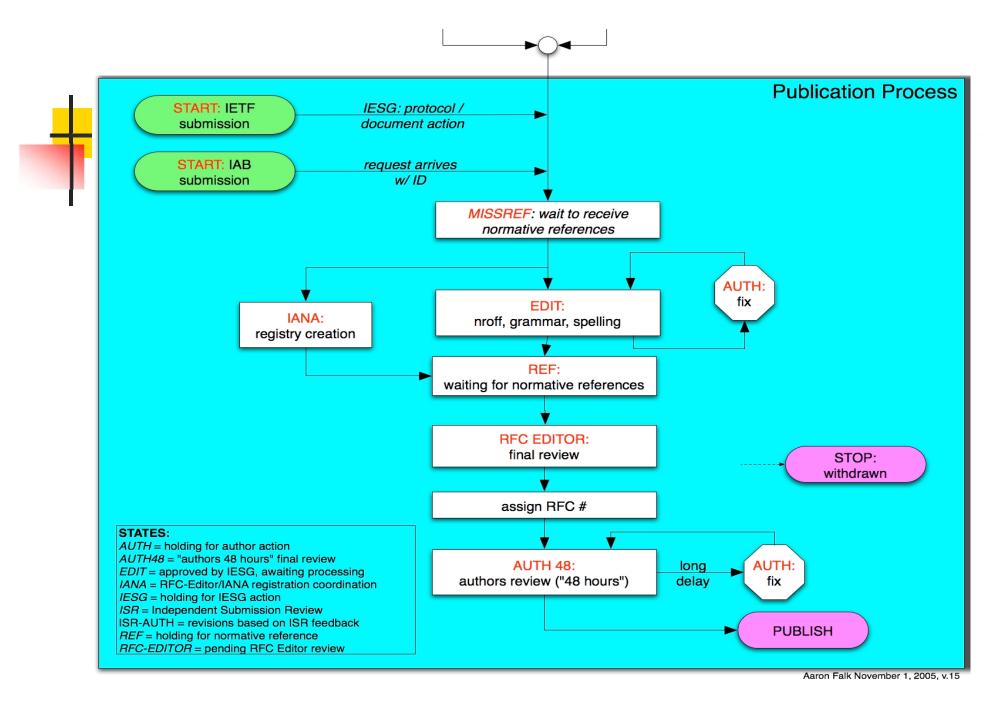
- Announcement sent to lists:
 - ietf-announce@ietf.org and rfc-dist@rfc-editor.org
- Canonicial URI: <u>http://www.rfc-editor.org/rfc/rfcXXXX.txt</u>
- Also available here: <u>ftp://ftp.rfc-editor.org/in-notes/rfcXXXX.txt</u>
- Mirrored at IETF site and other sites.
- txt, nroff, and XML files archived.

More details on queue states

- Normative References
 - Set of RFCs linked by normative refs must be published simultaneously.
 - Two hold points:
 - MISSREF state: a doc with norm. ref to a doc not yet received by RF(Editor.
 - REF state: a doc that is edited but waiting for dependent docs to be edited.

IANA

- Acts on IANA Considerations section (more on this later).
- Creates new registries and assigns numbers.



More about AUTH48: Final Author Review

- Last-minute editorial changes allowed But should not be substantive or too extensive.
 - Else, must get OK from AD, WG chair.
- This process can involve a fair amount of work & time
 - AT LEAST 48 hours!
 - All listed authors must sign off on final document
 - Authors should take it seriously review the entire document, not just the diffs.
 - Your last chance to avoid enrollment in the *Errata Hall of Infamy*!

3. Contents of an RFC

- Header
- Title
- Header boilerplate (Short copyright, Status of Memo)
- IESG Note (when requested by IESG)
- Abstract
- Table of Contents (not required for short docs)
- Body
- References
- Authors' Addresses
- IPR boilerplate

RFC Header

Network	Working Group						
Request	for Comments: 3986						
STD: 66							
Updates: 1738							
Obsolete	es: 2732, 2396, 1808						
ODBOTEC							

T. Berners-Le W3C/MI R. Fieldin Day Softwar L. Masinte Adobe System January 200

- STD sub-series number 66
- Updates, Obsoletes: relation to earlier RFCs.
 - Please note this information in a prominent place in your Internet-Draft; preferably the header.

RFC Header: Another Example

Network Working Group Request for Comments: 2396 Updates: 1808, 1738 Category: Standards Track T. Berners-Lee MIT/LCS R. Fielding U. C. Irvine L. Masinter Xerox Corporation August 1998

Corresponding RFC Index entry (search on "2396")

	T. Berners-Lee, R. Fielding, L. Masinter	August 1998	ASCII	Obsoleted by RFC3986, Updates RFC1808, RFC1738, Updated by RFC2732 Errata	DRAFT STANDARD
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Red fields were not known when RFC was published

Authors in Header

- Limited to lead authors, document editors.
- There must be very good reason to list more than 5.
- Each author in the header must give approval during AUTH48 review.
- Each author in the header should provide unambiguous contact information in the Authors' Addresses section.
- Other names can be included in Contributors and/or Acknowledgments sections.

Titles

- Should be thoughtfully chosen
- No un-expanded abbreviations except for very wellknown ones (e.g., IP, TCP, HTTP, MIME, MPLS)
- We like short, snappy titles, but sometimes we get titles like:
 - "An alternative to XML Configuration Access Protocol (XCAP) for manipulating resource lists and authorization lists, Using HTTP extensions for Distributed Authoring and Versioning (DAV)"

Abstracts

- Carefully written for clarity (HARD to write!)
- No un-expanded abbreviations (again, except well-known)
- No citations
 - Use "RFC xxxx", not "[RFCxxxx]" or "[5]"
- Less than 20 lines! Shorter is good.
- Not a substitute for the Introduction; redundancy is OK.
- We recommend starting with "This document..."

Body of RFC

- First section should generally be "1. Introduction".
- Special sections that may appear:
 - Contributors, Acknowledgments
 - Internationalization Considerations
 - When needed -- see Section 6, RFC 2277/BCP 18.
- Sections that MUST appear:
 - Security Considerations
 - IANA Considerations

References

- Normative vs. Informative
 - Normative refs can hold up publication.
- Please do not use numeric citations (e.g., "[37]") unless you submit an XML source file.
- Citations and references must match.
- Handy file of RFC reference text:
 - ftp://ftp.rfc-editor.org/in-notes/rfc-ref.txt
- Include draft strings of any I-Ds.

Copyrights and Patents

- Copyright Issues
 - Specified in RFC 3977/BCP 77 "IETF Rights in Contributions"
 - Independent submissions: generally follow IETF rules
- Patent ("IPR") issues
 - RFC boilerplate specified in RFC 3978/BCP 78 "Intellectual Property Rights in IETF Technology"
 - Recently updated by RFC 4748/BCP 78.
- Generally, you supply the correct boilerplate in the Internet Draft, and the RFC Editor will supply the correct boilerplate in the RFC.

Security Considerations Section

- Security Considerations section required in every RFC.
- See RFC 3552: "Guidelines for Writing RFC Text on Security Considerations"
- Important!

IANA Considerations Section

- What is an IANA Considerations section?
 - A guide to IANA on what actions will need to be performed
 - A confirmation if there are NO IANA actions
- Section is required in draft
 - But "No IANA Considerations" section will be removed by RFC Editor.

Why is this section important?

- Forces the authors to 'think' if anything should be requested from IANA
- A clear IANA Considerations section will allow the IANA to process the IANA Actions more quickly
- Establishes documented procedures

What should be included in the IANA Considerations section?

- What actions is the document requesting of IANA
- Individual number or name registrations
- New registries (number or name spaces)
- Registration procedures for new registries
- Reference changes to existing registrations

BE CLEAR AND DESCRIPTIVE IN YOUR INSTRUCTIONS (IANA is not the expert for your name or number space)

Review of IANA Considerations

- IANA Consideration sections are reviewed before the document is published as an RFC
 - During IESG Last Call
 - During IESG Evaluation
 - IANA will also review your section at any time by request
- If you do not have an IC section or if your IC section is not complete, your document will not move forward

Where to get help on writing this section

- See RFC 2434, "Guidelines for Writing an IANA Considerations Section in RFCs"
 - Soon to be replaced by RFC2434bis
- Look at existing registries for examples
- Ask IANA
 - Available at the IANA booth at IETF meetings
 - Send an e-mail [iana@iana.org] or [michelle.cotton@icann.org]

Current Internet Standards

- "What are the current Internet standards?"
 - See <u>www.rfc-editor.org/rfcxx00.html</u>: "Official Internet Protocol Standards"
 - In practice, reality is so complex that this is probably not even a valid question.
 - "Roadmaps" are desirable
 - ISDs might be better

4. How to Write an RFC

- Some editorial guidelines
- Improving your writing
- Preparation tools
- MIBs and formal languages

"Instructions to Request for Comments (RFC) Authors". draft-rfc-editor-rfc2223bis-08.txt aka <u>ftp.rfc-editor.org/in-notes/rfceditor/instructions2authors.txt</u>

General Editorial Guidelines

- Immutability once published, never change
- All RFCs in English
 - RFC 2026 allows translations
 - British English is allowed in principle, but there is some preference for American English.
- Consistent Publication Format
 - ASCII (also .txt.pdf for Windows victims)
 - Also .ps or .pdf (special process for handling)

RFC Formatting Rules

- ASCII, 72 char/line.
- 58 lines per page, followed by FF (^L).
- No overstriking or underlining.
- No "filling" or (added) hyphenation across a line.
- <.><sp>> detween sentences.
- No footnotes.

RFC Editing

For correct syntax, spelling, punctuation.

- We use these sources:
 - The Elements of Style, Strunk & White (4th Ed., 2000)
 - <u>A Pocket Style Manual</u>, Diana Hacker (4th Ed., 2004)
 - Merriam-Webster (http://www.merriam-webster.com)
- To improve clarity and consistency.
- To improve quality of the technical prose.
- By general publication standards, we edit lightly.
 - Balance: author preferences against consistency and accepted standards of technical English.

Writing RFCs

- Simple fact: writing clear, unambiguous technical prose is very HARD !!
- Goal: Easy to read, hard to misunderstand.
 - Avoid ambiguity.
 - Use consistent terminology and notation.
 - If you choose "4-bit", then use it throughout (not "four-bit").
 - Define each term at first use.
 - Expand each abbreviation at first use.

Preserving the Meaning

- A comment that concerns us very much: "You have changed the meaning of what I wrote".
 - Because we misunderstood what you meant.
 - That implies that your prose is ambiguous.
 - You should recast the sentence/paragraph to make it clear and unambiguous, so even the RFC Editor cannot mistake the meaning. ;-)

The RFC Editor checks many things

- Header format and content
- Title format
- Abstract length and format
- Table of Contents
- Presence of required sections
- No uncaught IANA actions
- Spelling checked
- ABNF/MIB/XML OK, using algorithmic checker
- Citations match references
- Most recent RFC/I-D cited
- Pure ASCII, max 72 char lines, hyphens, etc.
- Header and footer formats
- Page breaks do not create "orphans"
- References split into Normative, Informative
- Boilerplate OK

Grammar Tips

- Avoid passive voice.
- "which" (non-restrictive) vs. "that" (restrictive)
 - "which" is used parenthetically and follows a comma.
 - The Foo Protocol, which is less robust, may be more vulnerabl to session hijacking.
 - "that" introduces information essential to the meaning.
 - A protocol that is less robust may be more vulnerable to session hijacking.
- Some Protocol Engineers over-capitalize Nouns.

Punctuation Conventions

- A comma before the last item of a series:
 - "TCP service is reliable, ordered, and full-duplex"
 - Avoids ambiguities, clearly shows parallelism.
- Punctuation outside quote marks: "This is a sentence" {.|?!!}
 - To avoid computer language ambiguities.
- "i.e.," and "e.g.," are followed by commas.

Lean and Mean

- You often improve your writing by simply crossing out extraneous extra words.
 - Look at each sentence and ask yourself, "Do I need every word to make my meaning clear and unambiguous?"
 - English professors call it the "Lard Factor" (LF) [Lanham79
 - "If you've not paid attention to your own writing before think of a LF of ¹/₃ to ¹/₂ as normal and don't stop revising until you've removed it." [Lanham79]

[Lanham79] Richard Lanham, "Revising Prose", Scribner's, New York, 1979.

A Real Example

"When the nature of a name is decided one must decide whether the name should be of fixed length or whether it is variable length." (25 words

- A. "One must decide whether the length of a name should be fixed or variable." (14 words, LF = .44)
- B. "We may choose fixed or variable length for a particular class of name." (13 words)
- C. "A name may have fixed or variable length."(7 words, LF = .72)

Another (reality-based) Example

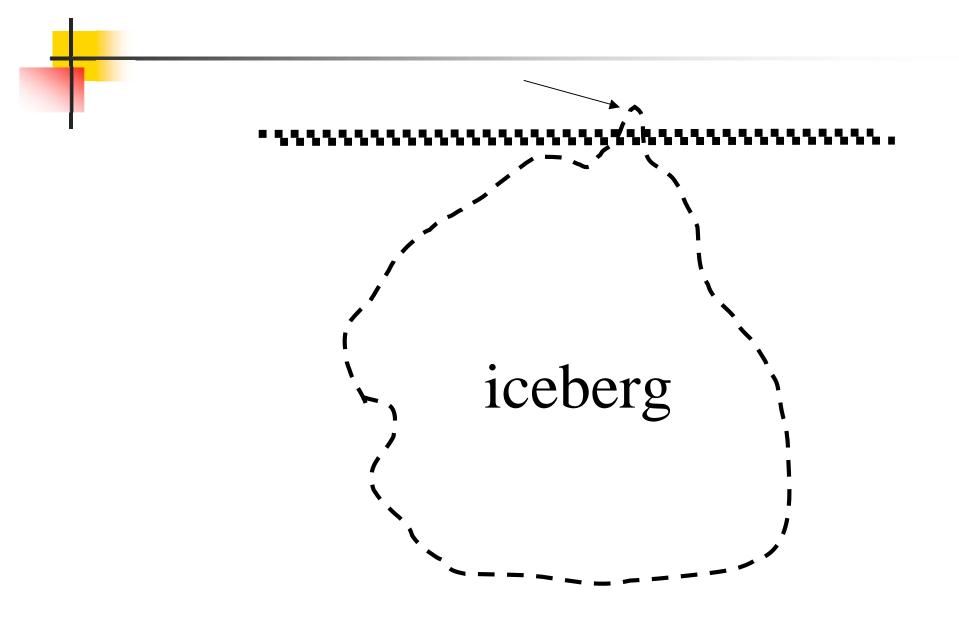
"This is the kind of situation in which the receiver is the acknowledger and the sender gets the acknowledgments." (19 words)

- A. "An acknowledgment action is taking place from the receiver and the sender." (11, LF=.42)
- B. "The receiver returns acknowledgments to the sender." (7, LF=.63)

Another Real Example

"Also outside the scope are all aspects of network security which are independent of whether a network is a PPVPN network or a private network (for example, attacks from the Internet to a webserver inside a given PPVPN will not be considered here, unless the way the PPVPN network is provisioned could make a difference to the security of this server)."

- Two sentences!!
- "make a difference to" -> "affect"



Format for Readability

- Careful use of indentation and line spacing can greatly improve readability.
 - Goes a long way to compensate for single font.
 - Bullets often help.
 - xml2rfc tip: You can set the list element's style attribute to symbols, letters, numbers, and more
 - High density on a page may be the enemy of clarity and readability.
- The RFC Editor will format your document according to these guidelines, but it is helpful if you can do it in the I-D.

Hard to read

3.1 RSVP Message Formats
3.1.1 Common Header
The fields in the common header are as
follows:
Flags: 4 bits
 0x01-0x08: Reserved
 No flag bits are defined yet.
Send_TTL: 8 bits
 The IP TTL value with which the message is
 sent. See Section 3.8.

Formatted for Easier Reading

- 3.1. Message Formats
- 3.1.1. Common Header

The fields in the common header are as follows:

Flags: 4 bits

0x01-0x08: Reserved

No flag bits are defined yet.

Send_TTL: 8 bits

The IP TTL value with which the message is sent. See Section 3.8.

Text Formatting Tools

- Author tools: <u>www.rfc-editor.org/formatting.html</u>
 - xml2rfc
 - nroff
 - Microsoft word template
 - LaTeX
- RFC Editor does final RFC formatting using venerable Unix tool nroff –ms.

xml2rfc (http://xml.resource.org)

- The xml2rfc tool converts an XML source file to text, HTML, or nroff. RFC 2629 and its <u>unofficial successor</u> define the format.
- Templates available from <u>www.rfc-editor.org/formatting.html</u>.
 - template-bare.xml (by Elwyn Davies) that goes with his xml2rfc tutorial.
 - draft-harrington-text-mib-doc-template.xml (by David Harrington) for documents containing MIBs.

nroff, groff

Handy templates for authors using nroff:

- <u>ftp.rfc-editor.org/in-notes/rfc-editor/2-nroff.template</u>
 - Published in 1991 by J. Postel. Updated October 2006.
 - Gives instructions on using macros for creating RFCs.
- www.1-4-5.net/~dmm/generic_draft.tar.gz
 - Updated nroff template maintained by David Meyer.
- If you use nroff -ms (without a private make file), give the nroff source to the RFC Editor.

MIBs: A Special Case

MIB references

- O&M Web Site at www.ops.ietf.org/
- MIB doctors at <u>www.ops.ietf.org/mib-doctors.html</u>
- MIB Review: See RFC 4181, BCP 111: "Guidelines for Authors and Reviewers of MIB Documents"
- Tools
 - <u>http://www.ops.ietf.org/mib-review-tools.html</u>
 - smilint at <u>www.ibr.cs.tu-bs.de/projects/libsmi/</u>
 - SMICng at <u>www.snmpinfo.com/</u>
- MIB boilerplate
 - The Internet-Standard Management Framework: <u>www.ops.ietf.org/mib-boilerplate.html</u>
 - Security Considerations: <u>www.ops.ietf.org/mib-security.html</u>

Use of Formal Languages

- Formal languages and pseudo-code can be useful as an aid in explanations, although English remains the primary method of describing protocols.
- Pseudo-code judged on the basis of clarity.
 - www.ietf.org/IESG/STATEMENTS/pseudo-code-in-specs.txt
 - <u>ftp.rfc-editor.org/in-notes/rfc-editor/UsingPseudoCode.txt</u>
- Formal Languages (e.g., ABNF, XML, ASN.1 (MIBs))
 - Requires a normative reference to language specification
 - RFC Editor will run verifier program.
 - ABNF parser: <u>http://rtg.ietf.org/~fenner/abnf.cgi</u>

5. Conclusion: Hints to Authors

- Read your I-D carefully before submission, as you would read the final document in AUTH48!
- Respond promptly to all messages from RFC Ed.
- If your I-D is in the queue, and you see typos or have a new email address, send us an email.
- Don't use numeric citations (unless you submit an xml file).
- Avoid gratuitous use of requirement words (MUST, etc.)
- Craft title and abstract carefully.
- Remember that your document should be understandable b people who are not deep experts in the subject matter.

Ongoing Issues

Normative references

Practical effect: can hold up publication

•MUST/MAY/SHOULD/... requirement words

- •Do they belong in Informative documents at all?
- Tend to be overused or used inconsistently.

URLs in RFCs

Some are more stable than others...

• Updates and Obsoletes relationships

Some disagreement on what they mean

•At best, only high-order bit of complex relationship

•RFC Editor hopes ISD (Internet Standard Document) [Newtrk] will be more systematic and complete.

Authoritative References

- Overview of RFC publication: <u>www.rfc-editor.org/howtopub.html</u>
- "Instructions to Request for Comments (RFC) Authors" draft-rfc-editor-rfc2223bis-08.txt aka
 <u>ftp.rfc-editor.org/in-notes/rfc-editor/instructions2authors.txt</u>

Thank you.

- Questions? Comments?
- RFC Editor Desk at IETF 68
 - Mon. Wed., 9:30 am 4:00 pm
- Web site: <u>http://www.rfc-editor.org</u>
- Contact Us: <u>rfc-editor@rfc-editor.org</u>
- Interest List: <u>rfc-interest@rfc-editor.org</u>