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J. Carberry  
T. Grayson  
Brown University  
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**A Minimal Internet-Draft In AsciiRFC  
draft-asciiRFC-minimal-03**

Abstract

This document provides a template on how to author (or migrate!) a new Internet-Draft / RFC in the AsciiRFC format.

NOTE

This template requires usage of the Metanorma toolchain and the "metanorma-ietf" Ruby gem.

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## 1. Introduction

AsciiRFC [[I-D.ribose-asciiRFC](#)] is an extremely simple way to author Internet-Drafts and RFCs without needing to manually craft RFC XML conforming to [[RFC7991](#)].

This is a template specifically made for authors to easily start with creating an Internet-Draft conforming to [[RFC7991](#)] and submittable to the IETF datatracker.

## 2. Terms and Definitions

The key words `"*MUST*"`, `"*MUST NOT*"`, `"*REQUIRED*"`, `"*SHALL*"`, `"*SHALL NOT*"`, `"*SHOULD*"`, `"*SHOULD NOT*"`, `"*RECOMMENDED*"`, `"*NOT RECOMMENDED*"`, `"*MAY*"`, and `"*OPTIONAL*"` in this document are to be interpreted as described in [BCP 14](#) [[RFC2119](#)] [[RFC8174](#)] when, and only when, they appear in all capitals, as shown here.

This document also refers to the following terms and definitions:

### AsciiRFC

an AsciiDoc-derived syntax used for authoring RFCs and Internet-Drafts, as defined in [[I-D.ribose-asciiRFC](#)].



### **3. Symbols And Abbreviations**

ADRFC

abbreviated form of `_AsciiRFC_`

### **4. Main content**

This is where you place the main content, and the following serves as a placeholder for your text.

Subsections are used here for demonstration purposes.

#### **4.1. Getting started**

The Metanorma and RFC toolchains *\*MUST\** be available locally to build this document template.

##### **4.1.1. Metanorma toolchain**

You will need to have:

1. Ruby: for running Metanorma
  - a. "metanorma-cli" gem: for the Metanorma command-line interface
  - b. "metanorma-ietf" gem: for converting AsciiRFC into XML RFC (v2 or v3)

##### **4.1.2. XML RFC toolchain**

You will need to have:

1. Python: for running "xml2rfc"
  - A. "xml2rfc": for converting RFC XML (v2 or v3) into TXT
  - B. "idnits": for submission preflight

#### **4.2. Referencing external content**

- o This is a published RFC [[RFC7253](#)]
- o This is an Internet-Draft [[I-D.ribose-asciirfc](#)]
- o This is an external reference [[RNP](#)]



### 4.3. Code snippets

Code snippets should be wrapped with "<CODE BEGINS>" and "<CODE ENDS>" blocks, as required by the IETF Trust Legal Provisions (TLP) [IETF.TLP] ([Section 4](#)) specified in [RFC5378].

## 5. Security Considerations

Any security considerations should be placed here.

As described in [Section 4](#) (here's how you refer a local anchor), local tools have to be installed before the document template can be built.

Running of these local tools \*MAY\* produce unintended side effects that impact security. For example

```
+-----+-----+
| Security issue | Discussed in |
+-----+-----+
| Confidentiality | Section 2.1.1 of \[RFC3552\] |
| Data Integrity | Section 2.1.2 of \[RFC3552\] |
| Non-Repudiation | Section 2.2 of \[RFC3552\] |
+-----+-----+
```

## 6. IANA Considerations

This document does not require any action by IANA.

But if it does, such as proposing changes to IANA registries, please include them here.

## 7. Acknowledgements

The authors would like to thank their families.

## 8. References

### 8.1. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.
- [RFC7991] Hoffman, P., "The "xml2rfc" Version 3 Vocabulary", [RFC 7991](#), DOI 10.17487/RFC7991, December 2016, <<https://www.rfc-editor.org/info/rfc7991>>.



[RFC8174] Leiba, B., "Ambiguity of Uppercase vs Lowercase in [RFC 2119](#) Key Words", [BCP 14](#), [RFC 8174](#), DOI 10.17487/RFC8174, May 2017, <<https://www.rfc-editor.org/info/rfc8174>>.

## 8.2. Informative References

[I-D.ribose-asciirfc]

Tse, R., Nicholas, N., and P. Brasolin, "AsciiRFC: Authoring Internet-Drafts And RFCs Using AsciiDoc", [draft-ribose-asciirfc-08](#) (work in progress), April 2018.

[IETF.TLP]

IETF, "IETF Trust Legal Provisions (TLP)", April 2018, <<https://trustee.ietf.org/trust-legal-provisions.html>>.

[RFC3552] Rescorla, E. and B. Korver, "Guidelines for Writing RFC Text on Security Considerations", [BCP 72](#), [RFC 3552](#), DOI 10.17487/RFC3552, July 2003, <<https://www.rfc-editor.org/info/rfc3552>>.

[RFC5378] Bradner, S., Ed. and J. Contreras, Ed., "Rights Contributors Provide to the IETF Trust", [BCP 78](#), [RFC 5378](#), DOI 10.17487/RFC5378, November 2008, <<https://www.rfc-editor.org/info/rfc5378>>.

[RFC7253] Krovetz, T. and P. Rogaway, "The OCB Authenticated-Encryption Algorithm", [RFC 7253](#), DOI 10.17487/RFC7253, May 2014, <<https://www.rfc-editor.org/info/rfc7253>>.

[RNP] Ribose Inc., "RNP: A C library approach to OpenPGP", March 2018, <<https://github.com/riboseinc/rnp/>>.

## Appendix A. Examples

### A.1. Example 1

Here's an example of a properly wrapped code snippet in accordance with rules specified in [Section 4.3](#).

```
<CODE BEGINS>
{
  "code": {
    "encoding": "ascii",
    "type": "rfc",
    "authors": [ "Josiah Carberry", "Truman Grayson" ]
  }
}
<CODE ENDS>
```





## Authors' Addresses

Josiah Stinkney Carberry  
Brown University  
Box K, 69 Brown Street  
Providence 02912  
United States of America

Phone: +1 401 863 1000  
Email: [josiah.carberry@ribose.com](mailto:josiah.carberry@ribose.com)  
URI: <https://www.brown.edu>

Truman Grayson  
Brown University  
Box G, 69 Brown Street  
Providence 02912  
United States of America

Phone: +1 401 863 1000  
Email: [truman.grayson@ribose.com](mailto:truman.grayson@ribose.com)  
URI: <https://www.brown.edu>

