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Annex A
(informative)
Considerations for Developers of POSIX SPs

A.1 Introduction

Responsibility: Bob Gambrel

The contents of this Annex are illustrative of rules that might be developed for the submitters of POSIX Standardized Profiles (SPs).

This Annex contains modifications and comments relating to the use of the *TCOS-SSC POSIX Standards Style Guide* {B6} in POSIX SPs.

A.2 Scope

While Section 6 addressed profiles generally, this Annex addresses considerations for developers of formal POSIX Standardized Profiles. It builds directly upon the concepts, principles, and guidance of Section 6.

RJG: This Annex is not complete, in that more work is required in the domain of POSIX profiles.

Future work in the area of profiling will be done by IEEE and the standards community. This document, and the guidance it provides, will be updated as appropriate. The major areas expected to be addressed are:

- *International standardization considerations*
- *Conformance issues*
- *Taxonomy of POSIX SPs*
- *Registration of POSIX SPs*
- *Delegation of authority to call something a POSIX SP (Note: Currently, this document does not prohibit another group beside IEEE from calling their document a POSIX SP.)*
- *Clarification of base standards referencing issues such as subsetting and the handling of options*
- *Editorial issues such as guidance on the correct level of detail*

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— *Additional guidance on referencing base standards and ''standards in progress''*

A.3 The Role of POSIX SPs

In 6.3.3.5, a classification scheme was given for profiles in which 3 different ''types'' were identified. That scheme is based, essentially, on the scope covered by the profile. Another useful classification scheme, based on scope and on who develops the profiles, is presented in this annex.

Figure A-1 shows these classes of profiles and the relationships between them and base standards.

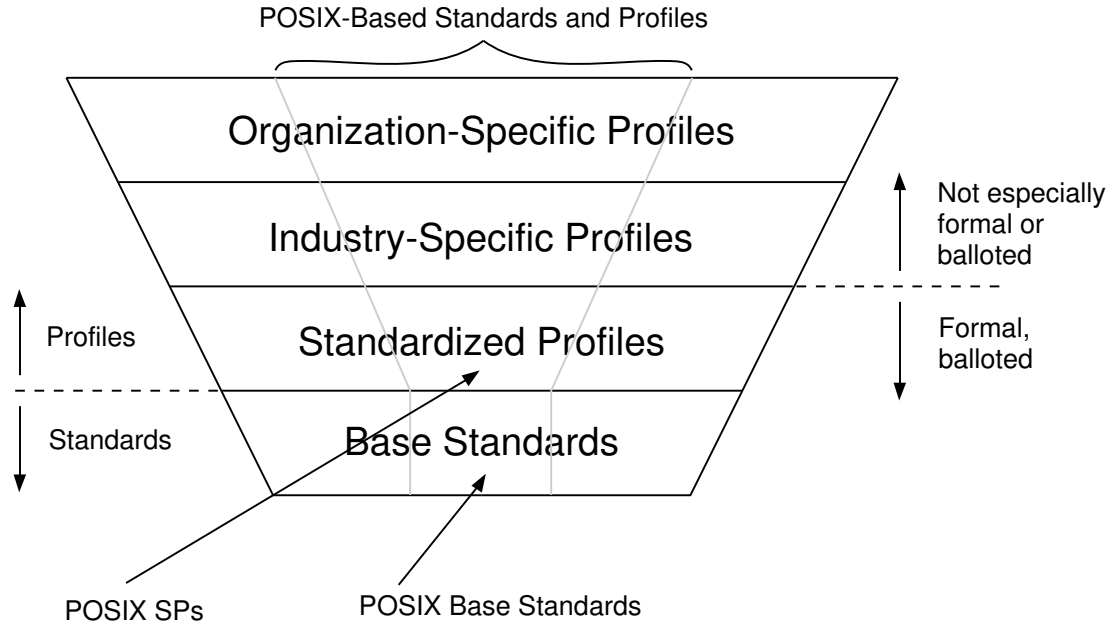

Figure A-1 – Universe of Profiles and Standards

Base standards cover a universe of diverse needs. POSIX base standards (e.g., POSIX.1 {2}, P1003.4, ...) cover a narrower set of needs related to 'POSIX.'' In the figure, the POSIX base standards are shown as a small subset of the larger world of base standards.

At the other end of the spectrum, organization-specific (e.g., company-specific) profiles are large in number and range even more widely in their coverage. (There are many more organizations procuring systems, and effectively writing profiles, than there are committees writing standards.)

Industry-specific profiles are based on specific industry needs. From the point of view of the organization-specific profile writer, industry specific profiles are

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