

EWOS-3

TITLE: Comments on third working draft of TR 10000-3 (N862)

SOURCE: EUROPEAN WORKSHOP FOR OPEN SYSTEMS

DATE:

STATUS: Contribution to SGFS Meeting, July 1993

EWOS submits its comments on TR 10000-1 and TR 10000-3 in three documents:

- EWOS-1 Proposals for replacement text in both Parts on the subject of the overall aspects of OSE and the nature of OSE Profiles.
- EWOS-2 Itemised comments on TR 10000-1 on other topics, but including references to EWOS-1 proposals for completeness.
- EWOS-3 Itemised comments on TR 10000-3 on other topics, but including references to EWOS-1 proposals for completeness.**

No. 1
 Type: M
 Clause: 1
 Rationale: Align the scope of Part 3 with the proposed revised scope statement of Part 1, and with the proposed changes to clause 5 on OSE and OSE-profiling concepts.
 Proposal: Replace with text proposed in EWOS-1

No. 2
 Type: E
 Clause: 2. lines 20/21
 Rationale: N1335 is not admissible as a normative reference, and the proposed change to clauses 3 and 5.3 (where the TSG-1 report is referenced) no longer require this reference.
 Proposal: Delete Reference to N1335

No. 3
 Type: E
 Clause: 3
 Rationale: Definitions which are provided in Part 1 should not be repeated here. OED, Webster, ISO 2382 terms should not be included, since they do not add to the usability of this TR, but probably just confuse the reader. Reference should be made explicitly to any ISO/IEC standard/TR which provides essential definitions.
 Proposal: Keep 3.1.9, 3.1.11, add Component Profile, System Profile, Building Block (see EWOS-1). Delete the rest. Insert extra section identifying

the terms defined in Part 1 which are used in this part.

No. 4
 Type: E
 Clause: 4
 Rationale: Completeness
 Proposal: Add PEI, HCI from Clause 5.

No. 5
 Type: E
 Clause: 5.1.1, 5.1.2, 5.1.4
 Rationale: Improve the wording of some sections to make it more clear that they are "Objectives" of OSE, and not just statements about OSE.
 Proposal: Rephrase 5.1.1:

Software Portability at the Source Code Level

It should be possible for software (including Application Software) to be ported between Application Platforms through the use of a comprehensive and consistent set of source code level specifications. Portability of other application software representations are secondary user objectives.

5.1.2 - line 13 - change "would" to "should".

5.1.4 - line 23 - insert "should" before "allow".

No. 6
 Type: m
 Clause: 5.1
 Rationale: Revise the wording of the Objectives to generalise the references to "Application Software" to describe the characteristics of any software, e.g. to include "System" software, since the OSE covers the portability and interoperability characteristics of all software, and there is an inherent limitation in the reader's mind to what is implied by "application software".
 Proposal: Replace "Application Software" by "Software" in 5.1.1, 5.1.2.

No. 7
 Type: m
 Clause: 5.1
 Rationale: Add a further objective regarding OSE System Modularity as follows:
 Proposal: Profiles of the OSE are required to provide the user and supplier of OSE Systems with the necessary modularity so that OSE System Specifications can grow incrementally in an orderly manner, and so that OSE Systems can be constructed from exchangeable modules.

No. 8
Type: M
Clause: 5.2
Rationale: The FUR/FTI/FTS references in 5.2.1 imply that definitions of these Frameworks exist and can be used from within this TR. However, apart from the DISC FUR document, they do not exist, and hence can not be mentioned here. The purpose of this section appears to be to establish a methodology for moving from business-oriented user requirements to a supporting set of specifications. This is not unique to OSE or to Profiling, and therefore is not relevant to TR 10000.

But what is needed is an indication as to how the need to satisfy user requirements is an element of the OSE Profiling process, and this should occur as an expansion of TR 10000-1 clause 5, if possible building on the ideas in the FUR.

Proposal: Delete 5.2 (but preserve some of 5.2.2 in the restructured 5.2/5.3 - see EWOS-1). Proposals for new text about the derivation of solutions to user requirements for Part 1 clause 5 have yet to be made.

No. 9
Type: M
Clause: 5.3
Rationale: The material in this clause needs to be revised and restructured in order to present a clearer statement of the concepts and structure of OSE as a model for real systems, which can then be used to identify the types of Profile and the way in which they map onto these OSE structural elements.

Description of these two aspects of OSE is a prerequisite for identifying in clause 6 onwards the actual characteristics of OSE Profiles, their contents and the constraints on their realisation as ISPs.

Proposal: See restructured text of 5.2 in EWOS-1.

No. 10
Type: E
Clause: 5.4
Rationale: This text is now redundant, since similar and more extensive material is now included in the draft of TR 10000-1 clause 6.1.4.
Proposal: Delete clause 5.4

No. 11
Type: M
Clause: 6
Rationale: Remove text which duplicates text in Part 1. Add new text relevant to the structural model of System and Component Profiles developed in clause 5.
Proposal: See proposed text and deletions in EWOS-1.

No. 12
 Type: M
 Clause: 7
 Rationale: Remove 7.1 which duplicates text in (the previous draft of) Part 1. Revise text in 7.2 to align to the proposed structural model of System and Component Profiles developed in clause 5.
 Proposal: See proposed text and deletions in EWOS-1.

No. 13
 Type: E
 Clause: 8.1, 8.2
 Rationale: Don't repeat generic text from Part 1
 Proposal: Leave clauses empty, except for an indication that the generic material in Part 1 clause 8 applies.

No. 14
 Type: M
 Clause: 8.3
 Rationale: This clause is at present at an early stage of development, the text in Part 1 clause 8.3 has been derived from and applied to OSI Profiles, and the corresponding text in Part 3 will require further work to ensure that an ISP for an AEP contains all the required material. Some suggestions are made below to start this process of improvement.
 Proposal: Line 28: Title of clause: Change to "Structure of ISPs for Application Environment Profiles".

Lines 29/30: Strengthen this text to indicate that the generic ISP structure in Part 1 Table 1 is used unchanged, that the Rules in Annex A apply unchanged, and that this clause gives additional information on the content of some of the clauses and annexes of an ISP for an AEP.

Lines 31-33: This paragraph describes a process which should not be unique to ISPs for AEPs, and should be moved to Part 1.

Delete from line 34 on page 32 to line 16 on page 33.

Scope: Delete lines 19 - 25 (or else extend the corresponding material in Part 1 A.4.2). Reword (b): "Reference to the taxonomy for AEPs in clause 7 of this part of TR 10000." Reword (c): "Illustrative representation of the scope of the Profile in the context of the appropriate OSE Scenario(s) to which it applies (see clause 5.2.1 <as proposed in EWOS-1>). It should indicate all specified external interfaces and interfaces to other building blocks, identifying the base standards or interface profiles by which they are specified. Where no such standards or profiles yet exist, the "gap" should be identified as a requirement to be met from other sources by the user of the ISP." [The concept of PAS does not (yet) exist in TR 10000].

Delete from line 1 to line 6 on page 34.

Conformance: Lines 11-18. Refer to Part 1 Annex A.5.3, and to Part 3 clause 6 (after the text has been developed in conjunction with the proposed new work in SC21). Refinements/extensions to Part 1 material may be needed here for definition of ISP contents in due course.

Profile spec: Lines 20-27 do not add to the general material about Profile Specifications in Part 1, and should be deleted.

Retain lines 28-29.

The remaining material (Lines 30 - page 35 line 35) should be retained, but moved to clause 6.4, since this is describing the type of contents needed in an AEP Specification. Clause 8 is primarily about the presentation of material in ISP form, and should be kept for that purpose.

The text will need further development to reflect the proposals in EWOS-1 for clauses 5.2 and 6.1.

First, it should define the contents of a Component Profile (PC). It should be defined by reference to Interface Profiles, Interface Specifications, and Publicly Available Specifications, and it should then define relationships between the specifications (behaviour etc).

Then it should define the contents of a System Profile (PS) in terms of its component PCs; point out that these may be more likely to be industry specific, though generic PS can exist.

Annex A - review requirements for this after development work under the proposed SC21 NWI.

Annex B - seems to be a combination of the material in the Scenario and the material (to be) described in Clause 6.4. Such an Annex should not be mandatory, but may give an opportunity for a more descriptive approach to defining the Profile.

Merge **Annexes C and D** - the proposed contents seem to be so closely related that for consistency and readability it would be better to have them combined.

Annex E - is standard in Part 1, and need not be mentioned here.