



**ISO Central Secretariat editorial comments\***  
**Commentaires rédactionnels\*\* du Secrétariat central de l'ISO**

**ISO/DIS 10407-1**

**ISO/TC 67/SC 4**

\* To be taken into consideration when preparing the revised draft.

\*\* À prendre en considération lors de la préparation du projet révisé.

This document has unfortunately been refused on editorial grounds for preparation for DIS vote. There are too many editorial points which require changing to permit "public airing" in this condition. The main points are as follows:

1) The Scope describes what the document covers, thus headings as "coverage" are redundant. It is not ISO style to list the clause numbers followed by what they cover, but please just write coherent sentences describing the content of the standard. See any recently published TC 67 standard for examples.

2) It is, understandably, an ISO rule to cite as normative reference an International Standard in preference to a national or regional standard when the International Standard is applicable in the context of the requirement. I'm afraid it is the responsibility of the authors of the standard to become aware of the existence of these International Standards (over 13 000 ISO standards published as of end 2000) but we will give you as much help as we can.

I am listing below the API documents that you cite in this text which have been or are in the process of being replaced by ISO standards. Please verify that their use in context is appropriate and make the substitution in clause 2 and throughout the text:

API RP 5C1 — ISO 10405:2000, Petroleum and natural gas industries -- Care and use of casing and tubing

API Bul 5C3 — ISO 10400:1993, Petroleum and natural gas industries -- Formulae and calculation for casing, tubing, drill pipe and line pipe properties

API Spec 5D — ISO 11961:1996, Petroleum and natural gas industries -- Steel pipes for use as drill pipe -- Specification

API RP 7G — ISO 10407:1993, Petroleum and natural gas industries -- Drilling and production equipment -- Drill stem design and operating limits, presently under revision into two parts of which THIS DOCUMENT is one. All the requirements needed should be found in either this doc (so no need to cite it) or part 2 which is presently at CD stage and too immature to cite. If that is the case, refer to the doc. under revision (10407:19193)

API RP 13B-1 — ISO 10414-1:2001, Petroleum and natural gas industries -- Field testing of drilling fluids -- Part 1: Water-based fluids

API RP 13B-2 — ISO 10414-2 (at DIS stage), Petroleum and natural gas industries -- Field testing of drilling fluids -- Part 1: Oil-based fluids

Regarding ASTM D3370, ISO/TC 47 deals with Water Quality and has published numerous documents on sampling of water. Please follow up for a suitable ISO replacement of the ASTM doc.

3) Term 3.22 forging needs to be split into two separate entries, one for the verb and one for the noun. See annex C of the ISO/IEC Directives Part 3. All subsequent terms then need renumbering.

4) Use of ISO verbal forms needs review in many instances. For clarity please use "shall", "should" and "may" for requirements, recommendations and optional procedures, respectively. Do not use "must" or "may" when you actually mean "shall" (requirement). Fuzzy use of verbal forms means the reader is not sure if something is required or not. For example, in 6.1 "Dimensions are listed in Table 2 and Table 3 of API Spec 7." Does this mean Tables 2 and 3 of Spec 7 or of this doc.? Are these required dimensions or

<b>Technical Editor(s)</b> <b>Rédacteur(s) technique(s)</b>	Hornfeld Carolyn (E-mail: )	<b>Date</b> 2001-05-15
--	-----------------------------	---------------------------

only given for information?? Much of this document is phrased with "shoulds" and what seems to be factual information, which although interesting and chatty does not fulfil the Scope statement in which "This part of ISO 10407 SPECIFIES..." This entire document needs to be examined closely to clarify just what you are specifying, and then make these specifications clear by use of the correct verbal form.

5) Numbering of all paragraphs is unnecessary unless needed for cross-referencing elsewhere. It's OK to have several paragraphs under one numbered heading. Numbering with headings (titles) cannot follow numbering at a higher level without headings. It is often helpful to create lists rather than sub-numbering. However, the layout of the calculations is confusing in places. Boldface SI units and USC units as heading is OK under a single subclause number, but when a series of boldface SI, USC is seen the reader immediately is confused as to what the difference is; these should be separated by list headings or subclause headings to differentiate.

6) 6.4 "The following criteria should..." but 6.4.1 ff. do not seem to give any criteria.. "...the stress level is less...", 6.4.6 long description of wear but what criterion is mentioned. This is unclear.

7) 6.5 is not a sentence, and cannot be followed by headings at a lower level in any case. If it is a heading, all the subclauses 6.X at that level must have headings.

8) Figures 68 ff. A figure which is continued on the next page must still retain the same title!! If you have two sets of figures under the same heading, you may give them subtitles a) and b) but the main figure title must be the same for both (and different from the subtitles!) The other option is to renumber all figures consecutively. Please correct your text to account for this.

9) The new version of the ISO/IEC Directives Part 3 (which has become Part 2 after revision) has instructions regarding graphs which make them MUCH more user-friendly: "In artwork, textual descriptions shall be replaced by item references (see [ISO 6433](#)) the meaning of which are explained in a key, or figure footnote (see 6.6.5.10) depending on their content. In graphs, labelling on the axes shall not be replaced by item references to avoid any possible confusion between the number representing an item reference and a number representing a value on the axis. Labelling to curves, lines, etc. on the graph shall be replaced by item references, however many curves, lines, etc. there are."

This means that for figures 1 through 81 and any annex figures which are applicable, please put the axis labels back in the drawings. Moreover, each figure needs its own Key, as the figures are separate entities. So one Key (unless it might be a long and complicated one) cannot apply to 26 figures!

10) Bibliographic references are presented in square brackets, as you have done, but without reference to authors' names etc. All non-normative references must be mentioned in the Bibliography.

11) Tables is USC units: I'm afraid the ISO rule is to use the decimal comma, no matter what the unit system. Please ensure that this rule is followed. The derogation was given for ISO 11960 and no other document. Moreover, if no digit precedes (follows) the decimal, a zero shall be included. E.g. "0,357" and not ",357"; and "357,0" not "357,".

11) Please look carefully at the ISO/IEC Directives Part 3 or a recently published ISO standard for table layout, typeface etc. Units in tables are lightface.

12) Please refer to ISO 31 Quantities and units (all parts) for use of SI units. Nominal weight thus should be (nominal) lineic or linear mass, kg/m. In many instances "weight", which is a force in the SI system, should be substituted by "mass". Please verify. I have also seen Kn-m when you mean kN-m.

Other editorial problems exist, but I am sure that on rewriting the text you will find and correct many, based on the ISO/IEC editorial directives and the comments given above. I look forward to receiving a new text in due course. Thank you for your kind cooperation.