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Title: **Ships and marine technology**

Secretariat: NNI (Netherlands)

Report of the 15th meeting of ISO/TC 8, Cascais, 1996-10-14/16

1 Opening of the meeting

The meeting is opened by the chairman, who expresses his gratitude to the Portuguese host. Then Mr. Candido dos Santos, president of IPQ, Mr. Duarte Silva, Vice President of the Association of Portuguese Maritime Industries and Mr. Abram, ISO/CS, address the meeting with speeches, amongst others commemorating World Standards Day 1996.

2 Roll call of delegates

* 8 N 877 Revised - Preliminary list of participants

The meeting is attended by 36 delegates, representing 11 P-member bodies, ISO/Central secretariat and the following 4 organizations in liaison: IACS, IAPH, IMO and IMPA. The attendance list is attached to this report.

Apologies have been received from Poland and the Russian Federation, as well as from IEC, ICHCA and ILO.

3 Adoption of the agenda

* 8 N 885 Rev. 2 - Annotated draft agenda

The agenda is adopted after inclusion of the following items:

- 6.10.1 Presentation Mr. Haenisch on EMSA
- Presentation Mr. Abram on statistics ISO/TC 8
- 13.2 ISO/TC 92 "Fire safety" to be recognized as lead-TC for IMO/FP ?
- 13.4 ISO/TC 67/SC 6 Working Group on Heating, ventilation and air-conditioning
- 13.5 Quality system with ISO 9000 certification required for manufacturers?

4 Appointment of the drafting committee

With Resolution 137 the drafting committee is appointed.

Resolution 137 - Drafting committee

ISO/TC 8 appoints the following members to the drafting committee: Mr. G.B. Alexander (UK), Mr.

*G. Ashe (USA) and
Mr. J. van Elk (secretariat). Resolutions will be drafted in English only.*

- 5 Report of the secretariat
* 8 N 878 - Report from the secretariat of ISO/TC 8 for the 15th plenary meeting

This report is for information and gives in 8 annexes the present situation regarding the structure, the participation, the TC responsible officers, the membership of the AG, the liaisons and the programme of work.

Since the preparation of this report Denmark is to be registered as P-member of SC 2 and SC 8, while the Netherlands are now also P-member of SC 1, SC 3, SC 4 and SC 6.

The document containing the addresses of committee personnel for ISO/TC 8 is maintained by ISO/Central Secretariat and is updated constantly.

- 6 Reports of ISO/TC 8-subcommittees
* 8 N 879 - Reports on progress on ISO/TC 8 subcommittees
* 8 N 886 Revised - Scope, structure and programme of work of subcommittees ISO/TC 8 and

Doc. 8 N 879 and its annexes contain the progress reports of the ten subcommittees of ISO/TC 8, as prepared by the subcommittee-secretariats. Doc. 8 N 886 is one of the "living" documents, maintained by the secretariat of ISO/TC 8 and gives partly the same information, gathered from available documents and reports.

6.1 ISO/TC 8/SC 1 Lifesaving and fire protection

The secretariat of SC 1 is held by the USA. No written report is available. The 2nd meeting of SC 1 was held in Baltimore on 1996-03-04/05. WG 1 has prepared several proposals for new work items on Life saving equipment (now under ballot). WG 2 is working on Pilot and accomodation ladders. Mr. Abbate, the convener of WG 3, has presented drafts on Low location lighting (ISO/NP 15370) and Deep fat cooking equipment (ISO/NP 15371) to IMO/FP.

IMO has requested the preparation of standards on graphical symbols for fire protection. At the moment there is some discrepancy between the symbols from IMO and those from ISO/TC 145, but ISO might be prepared to add the IMO-symbols to its collection. Mr. Van Dijk states that additional symbols are needed for the implementation of IMO Resolutions A.654, A.756 and A.760. Professor Hengst asks for a careful approach and is of the opinion that typical marine application standards do not have to be in line with land applications.

6.2 ISO/TC 8/SC 2 Marine environment protection

The report of SC 2 (secr. USA) is given in doc 8 N 879 Annex 2. In fact this report consists of the minutes and resolutions of the 2nd meeting of SC 2, which was held in Oslo on 1996-06-18/19. There are 42 proposals for possible new work items, but none have been put to ballot up to now. The different topics have been assigned to the three working groups, but two of these still lack a convener. It is anticipated that SC 2 will prepare supporting (voluntary) industry standards for the mandatory rules from IMO/MEPC.

6.3 ISO/TC 8/SC 3 Piping and machinery

The written report of SC 3 (secr. USA), as given in doc 8 N 879 Annex 3 Revised, is presented by Mr. Janetatos, the chairman of SC 3. The 2nd meeting of SC 3 was held in Hamburg on 1996-10-04/05, just prior to this meeting. A new WG 6 on Potable water systems and drainage systems has been set up, while two more working groups on Ventilation Systems and Piping Systems are foreseen. It is the intention of SC 3 to make use of new methods of electronic communication with the members through the World Wide Web; a test is underway.

Mr. Van Dijk expresses the view that SC 3 should be careful not to duplicate the work of IMO (an example being the work on PV-valves).
MSC-circular 667 could be partly extracted in the standards or be referred to. On the other hand manufacturers have need for complete standards containing sufficient technical details for construction.
The work should be industry driven and it is essential to maintain good communication with IMO and ISO/TC 8/SC 1.

Co-operation with IMO

As the problem of co-operation with IMO and the avoidance of duplication of work is of a general nature, with Resolution 138, the ISO/TC 8 Advisory Group is given the task to develop some guidelines for the subcommittees in this field.

Resolution 138 - Cooperation with IMO

ISO/TC 8 gives the task to the Advisory Group to develop an internal ISO/TC 8 document to give guidance to its subcommittees and to be a tool on the best way of co-operation with IMO on items of mutual interest. This will help the work of ISO/TC 8 towards a final goal of ensuring that international standards are prepared with a view to provide a basis for the development and implementation of IMO-requirements.

6.4 ISO/TC 8/SC 4 Outfitting and deck machinery

The report of SC 4 (secre. China) is given in doc 8 N 879 Annex 4.
The 1st meeting of SC 4 was held in Shanghai on 1996-08-13/14, but unfortunately the participation in the meeting was rather disappointing. There are 3 working groups, but for WG 1 and WG 3 conveners are still to be appointed. The SC has discussed the confirmation or revision of the 24 published standards.

As to ISO 3828 Hungary is invited to make a proposal for the revision, although Hungary is no member of SC 4 at this moment. It is reminded that it is the task of the SC 4-secretariat to contact Hungary and to invite them "to join the family".

6.5 ISO/TC 8/SC 5 Ships' bridge layout

The report of SC 5 (secre. Denmark) is given in doc 8 N 879 Annex 5.
The work on ISO/WD 14612 is undertaken by WG 1, which held its 1st meeting on 1996-06-26/27 in Copenhagen. SC 5 has the intention to prepare the standard before the deadline set by IMO. Duplication of work with IEC/TC 80 should be avoided. Although the standard describes a bridge for one person operation, it is stipulated that there may be more persons on the bridge. Possible proposals for new work items will be prepared by the end of 1996.

The question, raised in the report, whether a clause should be included in the standard, which states (as is common practice in IEC/TC 80) that it is required that manufactures of the actual equipment shall have a quality system with ISO 9000 certification, will be discussed separately under agenda item 13.5.

6.6 ISO/TC 8/SC 6 Navigation

The report of SC 6 (secre. Japan) is given in doc 8 N 879 Annex 6.
The report of SC 6, with its 4 working groups, is accepted, but the wish to delete the work on Navigational Charts is questioned. Consequently Resolution 139 is taken.

Resolution 139 - Navigational charts

ISO/TC 8 instructs ISO/TC 8/SC 6 to reconsider their wish to delete the item "Navigational charts", as this project was specifically requested by the International Hydrographic Organization (IHO) in 1993. A report on this investigation, also taking into account the work being done by IEC/TC 80, is

requested before the meeting of the Advisory Group in spring 1997.

6.7 ISO/TC 8/SC 7 Inland navigation vessels

It is regretted that SC 7 and the Russian Federation were not in the position to be represented at this meeting, but an extensive written report is given in doc 8 N 879 Annex 7. The work of SC 7 has resulted in 44 standards on inland navigation and dredging, but now the work has come to a standstill.

It is felt that the requirements for inland navigation in several regions of the world are different, so an international approach is not so obvious. The standards of SC 7 have only been used in Eastern Europe. On the other hand dredging is not only inland. Therefore ISO/TC 8 has a strong wish to discuss the future work of SC 7 with the responsible chair and secretariat, also taking into account the work undertaken in CEN/TC 15.

As it has not been possible the last few years for a Russian delegation to take part in meetings either of ISO/TC 8 or of the Advisory Group, it is proposed to organize the next AG-meeting in Leningrad instead. Professor Hengst will use his contacts in Leningrad to investigate the possibilities.

6.7.1 Revision of ISO 8384 and ISO 8385 under the Vienna Agreement

* 8 N 890 - Revision of ISO 8384 and ISO 8385

In line with the a written agreement from the chair and secretariat of SC 7 (ISO/TC 8/SC 7 N 14 - 1996-10-01), it is decided to submit the revised versions of ISO 8384 and ISO 8385, as prepared by CEN/TC 15, to the parallel voting. This decision is recorded in Resolution 144, quoted under agenda item 9.

6.8 ISO/TC 8/SC 8 Structures

The report of SC 8 (secre. Germany) and its WG 1 is given in doc. 8 N 879 Annex 8 and its addendum. WG 1, which had its 1st meeting on 1996-08-16/17 in Shanghai, has prepared ISO/WD 15401 and ISO/WD 15402 on Bulk Carriers in a relatively short time, in response to the request of IMO. Although some members still question whether these production standards are needed within ISO, it is suggested to judge the standards with an open mind and to wait for the result of voting and the comments submitted.

6.9 ISO/TC 8/SC 9 General requirements

The report of SC 9 (secre. Japan) is given in doc. 8 N 879 Annex 9. SC 9 has three working groups, but it is felt that more co-operation from the member bodies is necessary in the preparation of the standards and Technical Reports, especially with regard to terminology, because a good vocabulary is essential.

ISO/Central secretariat is urged to advance the publication of the ISO/TR's on "The review of maritime standards" and "The ISO Book of standards" without further delay.

Mr. Schade elucidates that the German comments on Speed trials are not meant as a separate item, but should be taken into account in the preparation of ISO/WD 15016.

The secretariat of SC 9 has pointed out that ASTM F-1166-59 "Standard practices for human engineering design of marine systems" is based upon anthropometric data of U.S. military personnel and hence it is difficult to prepare ISO-standards on the basis of these data without modification. It is suggested to consult ISO/TC 159 "Ergonomics" on this issue, but the responsibility for this work item should not be transferred.

6.10 ISO/TC 8/SC 10 Computer applications

The secretariat of SC 10 is just recently transferred to Norway. With Resolution 140 Mr. Robertsson is appointed chairman.

Resolution 140 - Chairman ISO/TC 8/SC 10

ISO/TC 8 appoints Mr. Staffan Robertsson (Norway) as chairman of ISO/TC 8/SC 10 "Computer applications" for a period of six years (1996 - 2001).

SC 10 has several proposals for new work items to deal with, so a first meeting should be organized in the near future.

6.10.1 Presentation on EMSA

Mr. Jochen Haenisch, the EMSA daily manager, gives a presentation on EMSA and its current work items. EMSA is the European Marine STEP Association and wishes to promote the standardization of ship related product models using ISO 10303, STEP.

It is felt that ISO/TC 184/SC 4 is "out of scope" when it is working on STEP-standards for shipbuilding, without the participation of shipbuilders, ship operators and suppliers, whereas all ships are different and no mass production exists. (Resolution 150, quoted under agenda item 13.2, refers). ISO/TC 8/SC 10 has been given the task to define the needs of ISO/TC 8 in this field and it is emphasized that a close liaison with ISO/TC 184, and possibly EMSA, is essential.

A further discussion on this topic is referred to the Advisory Group (Resolution 151, quoted under agenda item 14, refers).

7 Public relations and recruitment of new members

- * 8 N 892 - Report of Ad Hoc Group
- * 8 N 898 = addendum to 8 N 892

The Ad Hoc Group "Communication and Public Relations" had been given the task to investigate the needs and possibilities in the following fields:

- budget for public relations
- brochure ISO/TC 8
- producing an ISO/TC 8 News Letter
- use of Internet
- articles for publication in maritime magazines and journals
- recruitment of new members.

The report in doc. 8 N 892 and 8 N 898 gives a review of the activities accomplished and the results achieved up to now.

The ad hoc group consists of Messrs. Hime (USA), Van Dijk (Denmark) and Saito (Japan, as successor of Mr. Ageta who retired), but more suggestions and other input from the subcommittees and member bodies is requested. With Resolution 141 the subcommittees are urged to provide information on prospects for new membership.

Resolution 141 - Increased participation in ISO/TC 8
and its subcommittees

ISO/TC 8 asks the subcommittees to identify to the Ad Hoc Group on Communications and Public Relations the Industries and Individuals that should be approached in order to increase the active participation in ISO/TC 8 and its subcommittees.

We need active participation, not just an increased mailing list! In most countries only the shipbuilders are represented, while there is a lack of interest from the shipowners. The suppliers are sometimes represented through the ship yards.

- 8 Review of projects of direct interest to IMO
- * 8 N 880 - Work items of mutual interest to IMO and ISO/TC 8
 - * 8 N 887 - Swedish comments on 8 N 880
 - * 8 N 881 and annexes - Report on progress made by SC's
 - * 8 N 888 - Report on 66th meeting IMO/MSC
 - * 8 N 889 - Report on 38th meeting IMO/MEPC

Doc. 8 N 880 is a "living document", for information, and identifies 53 work items of mutual interest to IMO and ISO/TC 8.

Item NR 28 is assigned to SC 8 instead of SC 3.

SC 3 has indicated that it has also an interest in the items NR 20, NR 21, NR 23 and NR 42. For the time being item NR 42 remains under the custody of SC 9, however.

Wing-in-ground (WIG) Craft

In doc. 8 N 887 Sweden requests that IMO-ISO item NR 32 Wing-in-ground (WIG) Craft should not be dealt with by ISO/TC 8 (and IMO). In the discussion it is said that it has not yet been decided whether WIG Craft is a ship, an airplane or a hovercraft. With Resolution 142 it is decided to wait for further IMO Requirements in this field.

Resolution 142 - Wing-in-ground (WIG) craft

ISO/TC 8 decides that the item Wing-in-ground (WIG) craft should not be pursued in ISO/TC 8, until such time when developing of International Requirements by IMO has been finished.

For the update of doc. 8 N 880 this time a detailed contribution from IMO has been received, but Mr. Sekimizu indicates that it will not be possible for IMO, due to limited resources, to provide this service also in future. Hence an informal way should be found to secure the flow of information. With Resolution 143 it is recalled that it is the responsibility of the subcommittees of ISO/TC 8 to realize this.

Resolution 143 - Effective liaisons of ISO/TC 8/subcommittees with IMO counterparts

ISO/TC 8 once more emphasizes that it is the responsibility of the subcommittees to maintain effective liaisons with the appropriate "counter part" in IMO and to ensure that the needed flow of information, in both directions, is secured and to update the information in their periodical report to ISO/TC 8.

In doc. 8 N 881 the reports from SC 3, SC 5, SC 6 and SC 9 on the progress made with these IMO-ISO items are given.

Subcommittees SC 1, SC 2, SC 4, SC 8 and SC 10 have not responded to the repeated request (Based on Recommendation 102) to include this specific report!

The reports on the meetings of IMO/MSC (doc. 8 N 888) and IMO/MEPC (doc. 8 N 889) are accepted without further discussion. The new items of interest to IMO and ISO/TC 8 will be included in a future revision of doc. 8 N 880 as follows:

- NR 54 - Fleet management systems (SC 10)
- NR 55 - Effluent standards (SC 2)
- NR 56 - Wash bulkheads in cargo tanks for double hull oil tankers (SC 8)
- NR 57 - Hydrostatic releas units (SC 1)
- NR 58 - Service and maintenance of inflatable life raft (SC 1)
- NR 59 - Gas inflation systems (SC 1)
- NR 60 - Pyrotechnic distress signals (SC 1)
- NR 61 - Life jacket lights (SC 1)

- # Presentation Mr. Abram (ISO/Central secretariat) on procedures and some statistics for ISO/TC 8
* 8 N 899 - Ships and marine technology, Presentation from
Mr. F. Abram

Mr. Abram, from ISO/Central secretariat, gives a short presentation on the main steps of a draft and the required approval and the average processing time for ISO Standards (48 months) and Technical Reports (32 months). It is the aim of ISO to reduce this processing time considerably (to 21 months). This is also a challenge for ISO/TC 8.

The sheets used for this presentation are reproduced in doc. 8 N 899. The document contains also processing times and numbers of drafts in specific stages for ISO/TC 8, but as the output in recent years was rather minute, these figures are almost meaningless. Nevertheless ISO/TC 8 is still number 14 in a ranking of all ISO/TC's with a total of 152 International Standards published.

- 9 Vienna Agreement
* 8 N 882 + annex G - Vienna Agreement

Doc. 8 N 882 gives all work items dealt with by CEN/TC 15 and CEN/TC 300, being of interest to ISO/TC 8. According to the files at ISO/Central secretariat (see doc.8 N 882 annex B) only one item (ISO/CD 8861) is officially recorded as being under the Vienna Agreement, while at the CEN-side at least two items (ISO 4568 and ISO 8861) are officially recorded and, moreover, all other items from CEN/TC 300 are based on ISO/TC 8 standards. It is proposed also to develop the items on "Drinking water supply systems" and on "Drainage systems" under the Vienna Agreement. CEN/TC 15 has proposed to ISO/TC 8/SC 7 to develop several standards in parallel, but up to now SC 7 has not yet officially agreed to this. In the same letter referred to under agenda item 6.7 (ISO/TC 8/SC 7 N 14, 1996-10-01) chair and secretariat of SC 7 state:

"If the ISO/Central Secretariat distributes mentioned EN-standards (EN 526, 711, 790, 929, 1255, 1502) for consideration to the participants of

ISO/TC 8/SC 7 as

ISO/DIS (enquiry stage), we shall agree to include these work items into the programme of ISO/TC 8/SC 7".

It is recalled that possible initiatives must be taken by SC 7, as ISO/Central secretariat cannot act on his own, without guidance from a technical committee.

In doc. 8 N 882 annex G, all relevant work items from CEN/TC 300 and CEN/TC 15 are given in one comprehensive table. It is stipulated that ISO/TC 8 should not take a general decision, but that all subcommittees should decide "case by case". With resolution 144 all relevant ISO/TC 8 subcommittees are requested to take appropriate action. In the same resolution a decision is taken on the parallel processing of the revisions of ISO 8384 and ISO 8385.

Resolution 144 - Vienna Agreement

ISO/TC 8 reminds its subcommittees that the Vienna Agreement can be of use, whenever items are to be developed in parallel with CEN/TC 15 and CEN/TC 300. It is the task of the subcommittees to take any necessary action according to this Agreement and to inform ISO/Central Secretariat and ISO/TC 8 accordingly.

subcommittees SC 1, SC 3, SC 4 and SC 7 are requested to take a position on the items mentioned in doc. 8 N 882 annex G.

ISO/TC 8 decides that the revisions of ISO 8384:1991 and ISO 8385:1991, as proposed by CEN/TC 15, will be submitted to the parallel voting procedure, CEN having the lead.

9.1 CEN/TC 15 Inland navigation vessels

Further action from ISO/TC 8/SC 7 in this field is awaited.

9.2 CEN/TC 300 Sea-going vessels and marine technology

Arrangements for mutual representation in the meetings of CEN/TC 300 and ISO/TC 8 will be discussed further by the ISO/TC 8 Advisory Group (Resolution 151, quoted under agenda item 14, refers).

Note secretariat:

In a circular letter from ISO/Central secretariat, ref. ISO/CEN, dated 1996-10-22, it is said: "At its meeting in London in September 1996, the Technical Management Board approved a proposal from ANSI that, when appropriate, ISO-committees should give preference to including at least one non-European member in its representation at meetings of CEN-committees. We should accordingly be grateful if you would take this into account when ISO-representation at CEN-Meetings is being decided".

10 Relevant ongoing work in other TC's

* 8 N 883 - Relevant standards and work items in other ISO/TC's

Doc. 8 N 883 is prepared for information and lists almost 40 work items, relevant to the work of ISO/TC 8, but dealt with by fifteen other ISO/TC's. Again it is stipulated that it is the responsibility of the subcommittees to scrutinize the complete programme of other ISO/TC's and to set up any necessary liaisons. With Resolution 145 the subcommittees are invited to take appropriate action and to report before the next meeting of the Advisory Group.

Resolution 145 - Standards and workitems in other ISO/TC's

ISO/TC 8 resolves that it is the responsibility of the ISO/TC 8 subcommittees to scrutinize the ISO Catalogue of Standards and Working Programme to identify any projects in other ISO/TC's that require active participation of experts in the field of "Ships and marine technology" and to seek liaison with those TC's as appropriate.

Taking doc. ISO/TC 8 N 883 as a basis, it is suggested that the following liaisons might be advantageous for the subcommittees indicated: ISO/TC 10 - SC 10, ISO/TC 17 - SC 8, ISO/TC 22 - SC 4, ISO/TC 43 - SC 4 and/or SC 8, ISO/TC 58 - SC 1 and/or SC 9, TC 67 - SC 4, ISO/TC 70 - SC 2 and/or SC 3, ISO/TC 96 - SC 4, ISO/TC 108 - SC 3 and/or SC 8, ISO/TC 145 - SC 1 and/or SC 10, ISO/TC 178 - SC 4 and/or SC 9, ISO/TC 184 - SC 10, ISO/TC 188 - SC 6, ISO/TC 192 - SC 2 and/or SC 3, ISO/TC 197 - SC 3.

The subcommittees are requested to report on the situation before the meeting of the Advisory Group in the spring of 1997.

As clearly revealed by this document several other TC's are working on items that concern "our industry", but not always ISO/TC 8-experts are sufficiently involved. With Resolution 146 ISO/Central Secretariat is requested to see into this matter and to establish a relevant rule.

Resolution 146 - Reference to involvement of other TC's in the preparation of standards

ISO/TC 8 requests the ISO/Central Secretariat to establish a rule that every TC which develops a standard that applies to matters that concern an industry mainly represented in another TC, for instance Ships and marine technology under ISO/TC 8, to state clearly in the forward that this committee has been involved in the development of the standard.

10.1 Revision of ISO 6954 in ISO/TC 108/SC 2/ WG 2

* 8 N 891 - Revision of ISO 6954

A specific case that worries ISO/TC 8, is the revision of ISO 6954 "Mechanical vibration and shock - Guidelines for the overall evaluation of vibration in merchant ships" by ISO/TC 108/SC 2/WG 2. The proposed acceptability criteria are considered to be too severe and up to now our liaison officer has been ignored by ISO/TC 108. With Resolution 147

Mr. Glenn Ashe is requested to approach ISO/TC 108 again and to report on the outcome before the next meeting of the Advisory Group.

Resolution 147 - Revision of ISO 6954:1984 in ISO/TC 108

ISO/TC 8 has taken note with great concern that the revision of ISO 6954:1984 "Mechanical vibration and shock - Guidelines for the overall evaluation of vibration of merchant ships" is undertaken by ISO/TC 108/SC 2/WG 2 without proper consultation of ISO/TC 8. The proposed acceptability criteria are considered to be too severe for merchant ships. Mr. Glenn Ashe, who is appointed as liaison officer for ISO/TC 108, but has not been acknowledged as such by ISO/TC 108 up to now, will investigate the matter and will take up contact directly with the project leader in ISO/TC 108. Mr. Ashe is requested to report before the meeting of the Advisory Group in spring 1997. If the outcome of this action is unsatisfactory, ISO/Central secretariat should be approached to the effect that ISO/TC 108 is going beyond its scope.

11 Liaisons of ISO/TC 8 and its subcommittees

The need for the subcommittees to maintain effective internal and external liaisons with other TC's or SC's and international organizations has already been dealt with under several other agenda items. As to ISO/TC 8 plenary the active liaison, including mutual representation at meetings, with the most relevant international organizations in the field of Ships and marine technology has greatly improved the last few years. We are grateful for the participation of senior representatives from IMO, IACS, IAPH and IMPA in this meeting. Mr. Sekimuzu (IMO), Mr. Jin (IACS) and Mr. Grávalos (IMPA) all express the good sense of co-operation to our mutual goal.

Mr. Pinhanços dos Santos stipulates that IAPH has a special interest in the work of ISO/TC 8/SC 2 and SC 6.

12 Requirements concerning subsequent meetings

* 8 N 884 - Schedule of meetings ISO/TC 8 and SC's

The chairman reminds the subcommittees that "moving" SC-meetings around the P-member bodies will increase the active participation of those P-member bodies.

Originally it was foreseen to hold the 16th plenary meeting of ISO/TC 8 in Geneva, on the occasion of the 50th anniversary of ISO, but due to limited resources this celebration was canceled. Challenged by Mr. Van Dijk, the German delegate Mr. Schade now undertakes to investigate the possibilities to host this meeting in Germany, although the support of the German industry is minimal. This offer is acknowledged with Resolution 148.

Resolution 148 - 16th Plenary meeting of ISO/TC 8

ISO/TC 8 appreciates that Germany investigates the possibility to host the 16th plenary meeting of ISO/TC 8 in the autumn of 1997.

13 Any other business

13.1 Letter from Professor Hengst

* 8 N 893 - Letter Professor Hengst

* 8 N 896 - Japanese comments on 8 N 893

In his letter, Professor Hengst asks the attention for three items:

The working programme, new work items and the purpose of the Advisory Group.

Working programme and new work items

It is essential to make standards which are beneficial to the need of the industry, avoiding any ad-hoc items which may have to be withdrawn at a later stage and are damaging the work of TC 8 in the industry. The intention has always been to use the "Review of maritime standards" (ISO/DTR 15180), as prepared by Japan, as a guide for activities of the subcommittees. Although new work items are the responsibility of the subcommittees ISO/TC 8 should monitor the policy of each subcommittee in this respect, keeping in mind the real needs of industry.

The purpose of the Advisory Group

Professor Hengst states that the intention was to handle at the Advisory Group-meetings those matters which do not require a TC 8-meeting and can be finalized by correspondence. Consequently the question is whether it is useful to keep AG-meetings simultaneously with a TC 8-meeting, i.e. in the same week.

The discussion focusses, again, on the frequency of meetings needed and is finally concluded with a reconfirmation of Recommendation 99 in Resolution 152.

Resolution 152 - Frequency of meetings

ISO/TC 8 reconfirms Recommendation 99 of the Advisory Group, by a 6 to 4 vote; thus, at least for the next few years, the frequency of meetings remains as it is now:

- a meeting of the Advisory Group in April each year;
- a plenary meeting of ISO/TC 8 in October each year, if needed followed by a short meeting of the Advisory Group.

It is decided to refer further discussion on the purpose of the Advisory Group to the Advisory Group (Resolution 151, quoted under agenda item 14, refers).

13.2 ISO/TC 92 "Fire safety" to be recognized as lead TC for IMO/FP ?

At the request of Mr. Hime (USA) this item is added to the agenda. The impression was that ISO/TC 92 has changed its name to "Fire safety" and requested IMO/SC Fire protection to recognize them as lead TC for IMO/FP. Although the chairman of ISO/TC 92 has attended the meeting of IMO/FP, no formal request for any change in the liaison has been submitted. In fact ISO/TC 92 has since many years an official liaison with IMO (this is the case for at least sixteen other TC's) and no "lead TC's" are identified.

Some delegates express the feeling that ISO/TC 92 could cause serious damage to the work of our subcommittees, while other members are of the opinion that we should be happy that a lot of items are dealt with in other TC's, so that in ISO/TC 8 we can restrict ourselves to the things we really have knowledge about! In the scope of ISO/TC 92 "Fields covered by other ISO- and IEC-committees" are excluded, while our scope specifically mentions "all other marine structures subject to IMO- requirements". With Resolution 150 ISO/Central secretariat is asked to see into this matter, with the aim to avoid any possible overlap in activities with other TC's (also for ISO/TC 184, as discussed under agenda item 6.10).

Resolution 150 - Scope of ISO/TC 92 and ISO/TC 184

ISO/Central secretariat is asked to investigate the limits of the scope of ISO/TC 92 and ISO/TC 184 in relation to the scope of ISO/TC 8, to avoid any possible overlap in activities.

13.3 ISO/TC 8/SC3 Comments on ISO/DIS 13332 from ISO/TC 70

On the instigation of DIN, ISO/TC 8/SC 3 has examined ISO/DIS 13332 "Reciprocating internal combustion engines - Test code for the measurement of structure-borne noise emitted from high-speed and medium speed reciprocating internal combustion engines", to see whether ship engines have generally to be excluded. The conclusion of SC 3 is recorded in its Resolution 41 (Hamburg 1996)

ISO/TC 8/SC 3 Resolution 41 - Reciprocating internal combustion engines

ISO/TC 8/SC 3 reviewed SC 3 N 15 and SC 3 N 37 and decided that the secretariat should recommend that ISO/TC 8 expresses concern to the ISO/Central secretariat about the need to obtain ISO/TC 8 concurrence when standards developed by other technical committees are designated to apply to ships and marine technology

This concern is shared and with Resolution 146, quoted under agenda item 10, ISO/Central secretariat is invited to establish relevant rules.

13.4 ISO/TC 67/SC 6 working group on Heating, ventilation and air-conditioning

ISO/TC 67/SC 6 has formed a new working group on Heating, ventilation and airconditioning. ISO/TC 8/SC 3 has studied some relevant documents (doc. 8/3 N 34) and has consequently taken its Resolution 42 (Hamburg 1996):

ISO/TC 8/SC 3 Resolution 42 - Heating, ventilation and air-conditioning

ISO/TC 8/SC 3 reviewed SC 3 N 34 and decided that the secretariat should express concern to ISO/TC 8 about the duplication of effort between ISO/TC 67 and ISO/TC 8/SC 3 on the development of ventilation standards for ships and marine technology. Furthermore, it was decided to recommend that ISO/TC 8 send a message to ISO/TC 67 to advise them of the TC 8- standards on ventilation.

This subject is discussed and the conclusion is that an active liaison, preferably with the appointment of a liaison officer within ISO/TC 8/SC 3, is needed. ISO/TC 8/SC 3, which has agreed that a new working group (tentatively assigned as WG 7) should be formed to provide leadership for the development and revision of standards on ventilation systems, should communicate with ISO/TC 67 on these items of mutual interest.

Note secretariat:

Since then detailed communication by fax has taken place between the secretariat of ISO/TC 8/SC 3 and Mr. Chris Mitchell from ISO/TC 67/SC 6/ WG 11, informing them on the existing ISO/TC 8/SC 3 ventilation standards and proposing to establish a liaison between ISO/TC 8/SC 3 and ISO/TC 67/SC 6, Mr. Thomas M. Hopkins acting as focal point.

13.5 Quality system with ISO 9000 certification required for manufacturers?

As mentioned under agenda item 6.5, the question raised in the report of ISO/TC 8/SC 5, whether a clause should be included in the standard, which states (as is common practice in IEC/TC 80) that it is required that manufactures of the actual equipment shall have a quality system with ISO 9000 certification will be discussed separately under this agenda item.

After some discussion it is decided to follow ISO/IEC Guide 7 and consequently Resolution 149 is taken.

Resolution 149 - Quality assurance systems and certification in ISO/TC 8 standards

As to the control of quality during production, ISO/TC 8 confirms that ISO/IEC Guide 7 "Requirement for standards suitable for product certification" shall be followed, which means that the method by which control of quality during production is exercised by the manufacturer should not be defined in the standard, nor the means by which that control is independently checked by a certification body.

14 Items to be submitted to the ISO/TC 8 Advisory Group

The ISO/TC 8 Advisory Group will hold its 23rd meeting directly following this ISO/TC 8 plenary meeting. With Resolution 151 four items are submitted to the Advisory Group for further discussion.

Resolution 151 - Items to be transferred to the ISO/TC 8 Advisory Group

Apart from the items mentioned in Resolution 138 (co-operation with IMO) the following items are transferred to the ISO/TC 8 Advisory Group for further discussion and/or action:

- Discussion on EMSA activities*
- Mutual representation in meetings CEN/TC 300 and ISO/TC 8*
- The purpose of the AG.*

15 Approval of resolutions

* 8 N 895 - Resolutions of the 15th plenary meeting of ISO/TC 8

The draft resolutions (doc. 8 N 895) are approved during the meeting and are quoted in this report under the relevant agenda items.

16 Closure of the meeting

The chairman closes the meeting, after having expressed the gratitude of ISO/TC 8 to the host for providing excellent facilities for this meeting. On behalf of the delegations, Mr. Alexander thanks the chairman and secretariat for the guidance of the meeting. Both statements are underlined with applause.

Finally the chairman asks the Japanese delegation to convey to Professor Taguchi how much we appreciate the work he has done for ISO/TC 8. In difficult years he led the way!