

Report to ISO SC18, participation to the 19th ICID congress, Beijing, September 2005

Bruno Molle

The report proposed in annex has been presented to the WG-ON-FARM.

The following points have been addressed:

- ISO-CEN Handbook, a draft has been prepared by B.Molle, but still to be completed unless electronic standards texts are made available. It is proposed to circulate (after SC18 agreement) a provisional version that will be updated along with standards electronic versions availability.
- ISO expects more response from ICID on the revision of new standards under progress;
- Bruno Molle, has presented a draft report of the sprinklers cross testing operation conducted within the members of the INITL in 2002-2003, in which 10 laboratories were involved. This report and its conclusions have been accepted by the working group, specially regarding the content of the ISO 15886-3 standard. This report will be forwarded to ISO SC18 with the present report, in the view of presentation and discussion during the next SC18 meetings.
- A Handbook of performance evaluation in pressurized irrigation systems in different agro-climatic regions in the world is under preparation by ICID;

From Congress meetings, presentation and discussions:

- The WG on Dictionary is currently preparing a new version of the Multilingual Technical Dictionary for Irrigation and Drainage. The dictionary will be available in 2007 in at least 14 languages. In 2005-06 an editorial committee will be constituted for a final review of the definitions proposed by the experts designated for each of the 24 chapters by national ICID committees;

Some discussions and conclusions extracted from the debates:

- Technology offer is too often disconnected from farming context;
- Technology transfers are generally lacking: modern systems such as sophisticated micro-irrigation systems are proposed to small farmers and subsidized by governments, but are too complicated to manage for low educated farmers in developing as well as developed countries, leading to modernization failures;
- Thanks to subsidy policies, irrigation equipment manufactures are developing in many places in the world with very poor products quality. This aspect has to be undertaken in ISO as well as ICID policies;
- A more careful attention should be paid to the anticipated energy crisis that may appear in short term;
- Agriculture in developing countries will be related to the development of more cooperative solution: multipurpose WUAs focusing on water management but also on equipment purchase for soil preparation, crop treatment, production processing, production commercialization...

- Finally modernization in developing countries results mostly in an increase of irrigated area, without any water saving. Moreover, it often leads to decreasing water distribution equity.

Annex

Report of the liaison between ISO and ICID

From the resolution taken at the meeting of November 2004 in Madrid Spain

Safety Devices for Chemigation. (Document No. 654). SC 18

Mr. E. Norum (CIT-USA) circulated a first draft in July 05, focussed on backflow prevention valves, for comment before the next meeting scheduled in the beginning of November 05, the table of content includes:

- Terms and definitions
- Design requirements
- Performance requirements
 - o Mechanical strength
 - o Leak-tightness
 - o Hydraulic characteristics
 - o Resistance to chemical products
 - o Cyclic testing
- Conformity assessment
 - o General
 - o Type tests
- Marking
- Packaging

Report of ISO/TC 23/SC 18/WG 1 – Irrigation Equipment: Pressurized Irrigation Equipment – Definitions

a new draft should be discussed during the next meeting, the last one has been forwarded to ICID, in the view to be integrated in the new multilingual dictionary.

Report of WG 3—Irrigation Sprinklers. SC 18, FDIS 15886 (former 7749), Parts 1 (Classification) and 3 (Performance evaluation) is to be published.

The problem is that some of the conclusions drawn from the result of a cross testing operation conducted by 10 laboratories suggest several minor improvements that may not be considered as editorial...(see report of the INITL Sprinkler Cross Test).

Part 2 (sprinkler design) and 4 (durability test) are still pending, a draft should have been proposed.

Report of ISO/TC 23/SC 18 Ad Hoc Group (AHG) -Standardization of Surface Irrigation Equipment

The Convener, Mr. A. Dedrick, required in 2003 the help of ICID-WG ON-FARM to provide him with technical reports regarding open channel flowrate measurement methods, he has taken in consideration the "Interim metering report" forwarded by Stephen Mills Queensland. M.Dedrick has contacted M.R.Bos directly regarding appropriateness of ICID documents on flow metering devices to be considered by SC 18 as international standards.

Report of ISO/TC 23/SC 18/WG 4 – Test Facilities for Irrigation Equipment

A new draft is available as a FDIS for comments. Addition of a part 2 is anticipated regarding laboratory procedures. The draft should be available by one month before the next meeting.

ISO/CD 16149- Irrigation Equipment: PVC Aboveground Flood and Low Pressure Irrigation Pipe – Specifications and Test Methods

The standard has now the status of DIS, open for editorial comments and forwarded TC 138 SC 2 (PVC plastics) for comment.

Report of ISO/TC 23/SC 18/WG 5—Clogging Test Methods for micro-irrigation Emitters

This work has been delayed, the standard is anticipated to be divided in 2 parts, one concerning a short duration test method, with the objective of evaluating the size of the minimum flow passage to define minimum filtration requirements, the second on a longer term clogging method.

Regarding the first part, we (Cemagref) have been evaluating the first method without success. Due to lack of time and finances, the test has not been completed. The first results obtained were not satisfactory and shall be completed.

Report of ISO/TC 23/SC 18 Ad Hoc Group (AHG) – Valves

Mr. Perez has provided a draft of ISO 9635 Agricultural Irrigation Equipment – Hydraulically Operated Irrigation Valves, Part 1 to 5 (Part 1, General Requirements; Part 2, Isolating Valves; Part 3, Check Valves--replacing ISO 9952; Part 4, Air Valves--replacing ISO 11419, Part 5, Control Valves); circulated for comments, review and voting before the next meeting of SC 18.

Mr. Perez developed a second WD for ISO 9911—Manually Operated Small Plastic Valves, and ISO 1052—Direct Acting Pressure Regulating Valves circulated for comment.

Report of ISO/TC 23/SC 18 Ad Hoc Group (AHG) – Filters, a new version of ISO 9912-1 Classification has been proposed.

Report on Liaison with ICID, 23rd Meeting, Madrid, Spain, 23-24 June 2004 (Documents N 658 and N 659)

SC 18 (1) reviewed and approved the report of Mr. B. Molle, ISO representative to ICID; (2) directed the SC 18 Secretariat to contact the ISO/CS to obtain electronic copies of the ISO standards included in the proposed ICID handbook in order to facilitate the development of the handbook; (3) directed Mr. Molle to continue the development of the handbook working with the Project Leaders of SC 18; and (4) directed Mr. Molle to forward the documents on definitions, N34-19 and 20, to ICID.

Proposed New Work Item:

PE Pipes for Irrigation, a draft proposal on the subject should be available soon.

ISO-CEN standards handbook:

A new draft has been prepared by Mr.Molle, and will be forwarded to SC18 for validation. This new draft is still to be completed. ISO as well as CEN refused to forward to the project leader the text of standards related to irrigation unless they pay for it!

The present version has been realised from draft version of the standards that have been circulated to Mr.Molle in his capacity as ISO SC18 member.