

**SDI-12 Support Group
Minutes of Annual Meeting
held on
September 1, 1993**

A meeting of the SDI-12 Support Group was held in Tucson, Arizona, September 1, 1993, at the El Conquistador Sheradon Hotel. A list of those who attended the meeting is included with these minutes.

Topics

Lew Ross, of Sutron Corporation, chaired the meeting. Topics discussed at the meeting were:

- the SDI-12 Support Group Newsletter
- membership dues
- appointment of a new secretary for the SDI-12 Support Group
- election of a chairman for the SDI-12 Support Group
- new Bylaws for the SDI-12 Support Group, which describe a technical steering committee for the SDI-12 standard
- the SDI-12 Verifier

Newsletter

The SDI-12 Newsletter will be published twice a year, in May and December. A brief discussion on the appropriate content for the newsletter was discussed. A general consensus of the group, although no vote was taken, agreed the purpose of the Newsletter is a forum for exchange of ideas and information about the SDI-12 standard and SDI-12 applications. Several people stated opinions that it should not be used as a marketing tool for specific SDI-12 products. It was agreed, however, that the Newsletter should list all companies that produce SDI-12 products, to inform all interested parties about available SDI-12 products.

- The new document will be labeled as version 1.1, to contrast it with version 1.0 of the document, which was prepared by Campbell Scientific, dated October, 1988. The document, however, describes Version 1.0 of SDI-12.
- If, and when, any changes are made to the SDI-12 standard, a new document will be prepared. That document will be labeled as Version 1.2.
- A requirement that a sensor release control of the data line (i.e., turn off its transmitter), within 7.5 milliseconds after transmission of a command, is described in the new document. This was not stated in the October 1988 document. It was felt that this was an omission to the October 1988 document and it is a requirement for a sensor, since it is specified for a data recorder.
- The proposed changes to the SDI-12 Specification, which are described in Appendix E of the new document, were only briefly discussed. No changes were made to the SDI-12 specification.

Other Business

Since the meeting in Tucson, nominations have been received to serve on the Technical Committee Steering Committee, as described in the proposed Bylaws. The following people have been nominated:

Bill Fletcher (Design Analysis, nominated as chairman)

Rick Lockyer (Handar)	Rick Billings (USGS)
Jerry Calhoun (Sutron Corporation)	Mike Jablonski (NR Systems)
Rick Billings (Geological Survey)	Joe Thurston (Campbell Scientific)

Call Lew Ross (801-466-6495) if you would like to nominate someone to serve on this committee. Action will take place to form this committee, if the steering committee, as described in the proposed Bylaws, is adopted by the SDI-12 Support Group. Meanwhile, the people who attended the technical will review the Version 1.1 document described above. All members of the Support Group, however, are welcome to help. Call Mike Jablonski if you would like to review the next draft.

Mike Jablonski
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 801-752-4200

Correction. The attached Bylaws say the Steering Committee will have nine members. This should say six members, with one chairperson.

Please review the Bylaws, and submit your comments about them, to Lew Ross or Mike Jablonski, by November 1, 1993.

SDI-12 Verifier

Mike Jablonski, NR Systems, Inc., discussed the SDI-12 Verifier and answered questions about it. For information on the Verifier, call Mike Jablonski.

Technical Committee

After the meeting adjourned, the followed people reconvened to discuss the revised description of Version 1.0 of the SDI-12 Standard, titled "SDI-12 A Serial/Digital Interface Standard for Microprocessor Based Sensors (A Revised Description of Version 1.0)." June 1993.

Bill Fletcher (Design Analysis Associates, Inc.)

Terrell Fletcher (Design Analysis Associates, Inc.)

Mike Jablonski (NR Systems, Inc.)

Rick Billings (Geological Survey)

Don Rapp (Geological Survey)

Jerry Calhoun (Sutron Corporation)

Rick Lockyer (Handar, Inc.)

Steve Banks (In-Situ, Inc.)

Marty Kudela (Tavis Corporation)

Harry Estep (Tavis Corporation)

This document was written by NR Systems, Inc. and Campbell Scientific, Inc., under contract to the U.S. Geological Survey. It was written to clarify all details of SDI-12.

This was a detailed, technical review of the document. NR Systems, Inc. is updating the document, making the changes as discussed during the meeting. That draft will be ready for review by October 15, 1993.

A summary of this technical meeting follows:

Katie Andrews Lockyer, of Handar Inc., said that she had difficulty preparing a newsletter for lack of articles. The success of the Newsletter depends on all members of the SDI-12 Support Group. Therefore, articles and ideas for SDI-12 are welcome at any time. Especially welcome are short articles about SDI-12 applications. All material for the SDI-12 Newsletter should be submitted to Mike Jablonski, of NR Systems, Inc.

Extra copies of each newsletter will be available for all members of the SDI-12 Support Group.

Membership Dues

Membership dues were set at \$120.00 per year, and are due by January 15. A reminder to pay the dues will be published in the December newsletter.

Dues for new companies in the group will be accepted at anytime, prorated (\$10.00 per month), from the time they join the group.

New Secretary

Mike Jablonski, of NR Systems, Inc. was appointed as the new Secretary for the SDI-12 Support Group. Mike replaces Katie Andrews Lockyer, of Handar Inc. Katie did an excellent job of promoting SDI-12, keeping people informed about SDI-12, and produced the Newsletter. A special thanks to Katie for her service to the SDI-12 Support Group.

Election of a Chairman for the SDI-12 Support Group

Lew Ross, of Sutron Corporation, was nominated, and reelected, to serve as the Chairman of the SDI-12 Support Group.

Bylaws

Bill Fletcher, of Design Analysis Associates, Inc., introduced the new Bylaws for the SDI-12 Support Group. A copy of the Bylaws is included with these minutes. All members of the SDI-12 Support Group are requested to review the Bylaws, and comment on them. The objective is adopt a formal set of Bylaws, acceptable to all members of the SDI-12 Support Group.