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Meeting: SP67, Nuclear Power Plant Standards
Chairman: Tim Hurst, Vice Chair
Recorder: Eliana Beattie
Date/Time: Wednesday, 13 June 2007, 8:00 to 10:00 a.m.
Location: Sheraton Station Square Hotel, Pittsburgh, Pennsylvania
Distribution: SP67

Attendees

Tim Hurst, Vice Chair
Greg Casne
Fred Chenot
Yogi Dayal
Mike Dougherty
Bob Fredricksen
Hukam Garg
Klemme Herman
Tom Hokemeyer

Bob Hunter
Daniel Lee
Robert Mann
Ted Quinn
Carl Sossman
Dinesh Taneja
Rick Tuley
Pete VandeVisse
Jerry Voss

1. Call to Order

Tim Hurst chaired the SP67 meeting for Bill Sotos, who was unable to attend, and called the meeting to order at 8:05 a.m.

2. Introductions

Everyone introduced themselves and the attendance sheet and roster were circulated.

3. Approval of Minutes

Robert Mann noted that he was approved as a voting member at the last meeting but this was not included in the minutes. Rick Tuley made a motion to accept the previous minutes as amended, Bob Fredericksen seconded, and SP67 approved the minutes as amended.

4. Review and Approval of Agenda

Tim Hurst reviewed the agenda and it was accepted as read.

5. Correspondence and Announcements

Dan Lee announced that he will be the 2007-8 POWID Director and was attending the meeting in part because he received Bill Sotos's resignation e-mail and wanted to ensure that the SP67 chair replacement process was moving forward. He noted that there is an increasing interest in the nuclear industry and solicited SP67 to participate more

actively in the POWID ExCom committee. Jim Redmon and Tim Hurst are current members and there are other positions open.

In addition, there are three relevant POWID awards (Service, Facilities, and Achievement) that in the recent past have been awarded to fossil fuel power plant individuals (Rudy Neustadter was the last nuclear power plant awardee). Dan encouraged SP67 to nominate people for awards. There is also a Robert N. Hubby scholarship for \$4000; this year there were no applications. Dan opened the possibility to SP67 to nominate a deserving student. The society fellow and achievement awards have also been predominantly fossil fuel power plant nominations; again, Dan solicited SP67 to recognize nuclear individuals for these awards. He also commented that Rudy Neustadter was very active in supporting the power symposium. The POWID paper sessions this year were somewhat light on the nuclear side. Dan encouraged SP67 to volunteer as session developers and to present technical papers, to augment paper sessions with standards sessions and vice versa.

Tim Hurst said that through the years SP67 and SP67.04 attendees have typically attended POWID solely for the standards meetings. Dan remarked that there is one-day session available. Bob Fredricksen remarked that the reason he did not attend the sessions is that they are predominantly fossil-based. Dan said that this year's keynote speaker was from industry-neutral DOE. For 2008, he requested that if anyone has a nuclear-based individual to nominate for keynote speaker to let him know. Bob Fredricksen noted that one of the challenges for SP67.04 is that there has been a lot taking place in the nuclear industry that has predicated changes in the standard and RP, and it was unfortunate that the standards meetings had to take place at same time as conference but there was a lot of work to be done. SP67.04 does plan to continue using web meetings to expedite the work being done.

Dan reported that there are about 1,300 paying POWID members and 1,700 total members (students and Life members have free Division membership). ISA marketing staff are making an effort to promote the Division to individuals outside the ISA database. POWID has also formed a web review committee to update the POWID web site to improve its look and feel and use as an archival system.

Tim Hurst said he wants to see at least three, maybe four, nuclear sessions at POWID in Scottsdale next year. He is also interested to learn why EPRI did not show up for this conference. Bob Fredericksen commented that SP67.04 is the only active standards work at this time and that there should be more activity going on in SP67. Another area of interest is new plant activities; a lot of new employees in the field do not know who ISA SP67 is. Bob Fredericksen commented that if the standard being used in industry is ISA's, more people will know who ISA is. One of the main components will be marketing externally to ISA to find new members.

6. Administrative

There were no administrative items.

7. Standards and Practices Board Report

The S&P Board minutes from October 2006 are included as Attachment A.

8. POWID Report

Dan Lee noted that for 2009 they only have a list of recommended cities: Savannah, Charleston, and Orlando. Charlotte Clayton will do a hotel search for each of the cities and provide the hotel recommendations at the October meeting. Joe Vavric has proposed co-locating with POWER at the Electric Power Conference in May. He met with POWER on Tuesday to ask questions about logistics, identity, scheduling, etc. Joe will provide a report in October. There will be an Electric Power Conference planning committee meeting 25 July 2007; two members from the POWID ExCom will attend the planning meeting. In October, they will present on whether co-locating with POWER for 2009 will work and the ExCom will make a decision. Dan encouraged feedback. Jerry Voss noted that the Electric Power Conference is even more predominantly fossil than POWID. He noted that it was a good conference but would not provide the speakers and sessions that SP67 would want to see.

Ted Quinn brought up the possibility of co-locating POWID with A&S in Oak Ridge. Dan replied that it was open to discussion. Dan said POWID is also open to having paper sessions in conjunction with international papers.

9. Liaison Reports

IEEE – Mike Dougherty noted that the minutes were not available but that he would provide them to the committee. IEEE 323 was published in 2003, IEEE 424 was published in 2004, and IEEE 627 is being updated. There is a lot of activity in the fiber optics area; they are probably two years out from publishing a fiber optics standard.

NEI – NEI had a meeting scheduled 1:00 to 5:00 p.m. on Wednesday regarding the operation of a task force on tracking and what is happening for I&C and new plants. The biggest topic now is how to handle generic issues. They have six digital working groups ongoing (including human factors, cybersecurity, D3, licensing basis, and communications).

IEC – Ted Quinn reported that SC45A completed issuing the second ISA co-standard on which Hash Hashemian took the lead. Ted said he would be able to provide copies to SP67. The setpoint standard will be out for review next year.

10. Subcommittee Status

67.01 – Work on ANSI/ISA-67.01.01-2002, Transducer and Transmitter Installation for Nuclear Safety Applications, needs to be reactivated (the standard is due for reaffirmation or revision this year). Klemme Herman volunteered to look at the standard to see if it is current. Dan Lee suggested sending the standard out for comment to SP67 and, within that time frame, they would be able to find a chair for the subcommittee. **Action item:** ISA will send out ANSI/ISA-67.01.01 to SP67 for approval as is disapproval with comments.

67.02 – Jerry Voss has received the comments from the reaffirmation ballot; he has already responded to most of them and will finish his review and response to the commenters when he returns to the office.

67.03 – Ivan Sturman indicated at the last meeting that he wanted to work on the standard from home. Bruce Rausch had volunteered to participate as vice chair of the subcommittee. Hukam Garg remarked that he sent his comments to Ivan. Tim Hurst said that he will check with Bill Sotos to see if he has heard from Ivan.

67.04 – Jerry Voss reported that the subcommittee is still working on the recommended practice. They received many updates and have significant issues that they are working through. They are aiming for a follow-up web meeting in July with the hope that by the end of the year the recommended practice will be out for vote. Bob Fredricksen said that one issue under discussion is whether performance monitoring should be an SP67.04 or SP67.06 issue. Tim Hurst replied that they would discuss the issue under new standards.

67.06 – Jim Redmon was unable to attend the meetings due to a family illness. Tim Hurst will contact Jim about initiating either a reaffirmation or revision process for ANSI/ISA-67.06.01, Performance Monitoring for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants.

67.16 – There was further discussion on whether ANSI/ISA-67.14.01-2000 should be reaffirmed. Several people felt that only the INPO certification industry is recognized. Dan Lee said he was not sure if ISA had explored co-certification with INPO but that the current certification training only contained a small reference to nuclear. Tim Hurst took an **Action Item** to send the standard to the STP training people to gather their thoughts on the standard. Bob Fredricksen requested a copy of the standard as well. Jerry Voss remarked that unless ISA can add value to what IEEE is currently doing, there is no definitive reason for the standard. Tim Hurst said that ISA is not doing a good enough job promoting its work since individuals from both organizations belong to similar groups such as NEI but do not know what is going on in the other organization.

In the past, Tim Hurst noted, SP67 did not want to get involved in other areas such as fiber optics or human factors. He asked if the committee is going to address these other areas. Carl Sossman said that SP101 is the human factors

committee but it does not address nuclear. Ted Quinn noted that with all the new plant applications, SP67 should broaden its reach. Jerry Voss noted that with all of this activity everyone is going to be very busy, and the committee needs to show the benefits to participation and also needs to encourage new nuclear engineers to participate. Klemme Herman pointed out that members need support from the executive level to travel to standards meetings.

10. SP67.04 Allowable Value Issue

The NEI meeting on Wednesday afternoon was slated to cover this topic.

11. New Plants – New Standards

Regarding performance monitoring, Tim Hurst asked if it is a valid option to create new standards work rather than incorporating the work under SP67.04 or SP67.06. He asked the SP67.04 co-chairs to communicate with Jim Redmon to see what should be done.

Regarding graded approach, Bob Fredricksen asked if the topic should be given more emphasis by inclusion in the recommended practice or should it be maintained as a technical report. Ted Quinn has volunteered to evaluate the document with participation from the NRC.

A question was raised regarding information in the S&P Board minutes on an impulse tube standard and whether a new standard was being created. Dan Lee mentioned that there are other areas which are covered by more than one standards committee. Tim Hurst said he will ask Bob Webb about this issue.

12. New SP67 Chairman

Tim Hurst noted that a decision about the chairmanship was not to be made at this meeting, and he encouraged attendees to spread the word about the opening. Tim said he plans on staying on as vice chair but that he does not have the time to devote as chair.

13. Other/New Business

There was no additional business.

14. Next Meeting Plans

Eliana mentioned that an SP67 meeting has been scheduled during EXPO for Tuesday, 2 October, 1:00 to 5:30 p.m. The meeting is primarily for informational purposes, to provide a synopsis of the committee's activities and standards to the interested public and potential new members, and does not have to last the full four and a half hours. Tim Hurst said he and Bill Sotos would be able to attend the SP67 meeting at EXPO and that the main goal is to encourage new membership and help people find out about the SP67 activity.

SP67 will meet again at POWID 2008 in Scottsdale, Arizona. SP67.04 will hold a web meeting in July. Tim asked the co-chairs to let him know if SP67.04 would need an October meeting at EXPO. Pete VandeVisse encouraged the subcommittees to use their web pages to post documents rather than e-mail, which SP67.04 will be doing shortly.

Tom Hokemeyer requested to become voting member. Bob Fredricksen made a motion to approve his request, Pete VandeVisse seconded, and SP67 approved Tom's request.

15. Adjournment

Mike Dougherty made a motion to adjourn the meeting, Tim Hurst seconded, and SP67 adjourned the meeting at 10:00 a.m.

Attachment A

ISA Meeting Minutes

Meeting: Standards and Practices Department Board
Chairman/Facilitator: Ian Verhappen
Recorder: Lois Ferson
Members Present: Ron Jones, Klaus-Peter Lindner, Vic Maggioli, Tom McAvinew, Gordon McFarland, Hisashi Sasajima, Nick Sands, James Tatera, Ian Verhappen, Robert Webb, Warren Weidman, and Marty Zielinski
Members Absent: Farshad Amir, David Bishop, Mark Coppler, Bernard Dumortier, Wayne Holland, Erwin Icyan, Al Iverson, Al McCauley, Ron Reimer, Ted Schnaare, Joe Weiss, and Marge Widmeyer.
Guests: Ken Baker, Diana Bouchard, Lois Ferson, Jim Jamison, Chip Lee, Dan Lee, Charley Robinson, and Ed Vodopest
Date/Time: Sunday, 15 October 2006 8:00 – 11:30 am.
Location: Hyatt Regency, Houston, Texas
Distribution: S&P Board, Guests, Staff

<i>Item #</i>	<i>Description</i>
1	Call to Order Ian Verhappen called the meeting to order at 8:05 am.
2	Review & Approval of Agenda <ul style="list-style-type: none"> ▪ <i>Moved by Jones, seconded by Webb, and approved that the agenda of the 15 October 2006 meeting of the Standards and Practices Board be approved.</i> Motion approved. It was agreed that several agenda items would be considered out of order to accommodate the schedule of visitors and Directors with conflicting meetings.
3	Approval of Minutes <i>Moved by Jones, seconded by Maggioli, and carried that the April 2006 meeting minutes be approved.</i> Motion approved.
4	Discuss and Resolve any S&P Board Ballots There were no negative ballots or ballots with comments to be addressed.
5	Review Changes to MOP Resulting from ANSI Audit Following a discussion of the proposed changes to the MOP those present agreed in principal that the MOP should be revised as proposed. <i>Wiedman moved and Zielinski seconded that a confirming ballot on the MOP be circulated to the full Board.</i> Motion approved.
6	Approve Changes to ISA-SP12 Scope <i>Moved by Zielinski and seconded by Webb that the ISA-SP12 Scope statement be revised to read as follows: "To formulate standards, recommended practices and technical reports for safe and practical use of equipment in hazardous (classified) locations, and for equipment used for the detection of combustible gases."</i> Motion approved.

7	<p>Approve Revision to ISA-SP101 Scope and Purpose <i>Moved by Sands, and seconded by Webb, that the following scope and purpose statements be approved for ISA-SP101</i></p> <p><i>Scope to read: “The standards, recommended practices, and/or technical reports developed by ISA-SP101 will be directed to those responsible for designing, implementing, using, and/or managing human-machine interfaces in industrial applications.</i></p> <p><i>The areas covered within ISA-SP101’s work will include: menu hierarchies, screen navigation conventions, graphics and color conventions, dynamic elements, alarming conventions, security methods and electronic signature attributes, interfaces with background programming and historical databases, popup conventions, help screens and methods used to work with alarms, program object interfaces, and configuration interfaces to databases, servers, and networks to formulate standards, recommended practices and technical reports for safe and practical use of equipment in hazardous (classified) locations, and for equipment used for the detection of combustible gases.”</i></p> <p><i>Purpose to read:” The ISA-SP101 Committee will establish standards, recommended practices, and/or technical reports pertaining to human-machine interfaces in industrial applications.”</i> Motion approved.</p>
8	<p>Discuss Liaison Categories There has been no change in status since the April meeting. Existing Department liaisons will be approved by the Department Board at this meeting. Verhappen noted that the Board would need to circulate any proposed modifications to the Board for approval and then forward the recommendation to the ISA Department Board for final review and approval.</p>
9	<p>Establishment of USTAG for IEC SC65E Asset Management Ferson reported that the reorganization of TC65 had been approved and ISA is the new USTAG Administrator for IEC SC65E Asset Management. The USTAG will be initially established based on membership from existing ISA USTAGs. The Secretary of the new Subcommittee is also from the United States: Mr. Lee Neitzel, Fisher-Rosemount.</p>
10	<p>Standards Proposals Received via Web Input Verhappen referred the Board to Annex A. Considerable discussion followed during which Jones noted this typically falls under piping systems work effort and as such might be more appropriate for another organization since it is a combination of instrumentation and mechanical work. Vodopest noted that SP42 has considered this effort in the past but reached the conclusion this was best left to individual vendors to establish. Others noted this could be a code issue within the nuclear industry. The consensus was that if the work were to proceed it would likely be best developed as a Technical Report, possibly as a working group under ISA-SP42. Vodopest agreed to head up a survey group under SP42 with potential liaisons to SP67.</p>
11	<p>Note Current Status of SAMA Standards and Ongoing ISA Activities Weidman stated that industry users are having difficulty obtaining reference copies of earlier SAMA standards that had in the past been available from ISA. Ferson stated that ISA had recently been asked by SAMA and MCAA to no longer provide copies but instead refer potential users to the MCAA web site for information. While ISA does have a collection of the SAMA standards in the ISA library these are no longer being distributed. McAviney added that under an earlier agreement ISA does have SAMA’s permission to incorporate portions of the SAMA documents into ISA standards such as ISA-5.1.</p>
12	<p>Department, Liaison, or Managing Directors Reports See Annex B.</p>

13	<p>International Report</p> <p>Ferson noted that TC65 and its Subcommittees had recently met in Berlin. In addition to the establishment of a new Subcommittee SC65E as noted earlier, SC65B, Devices, and SC65D, Analytical Equipment, were also merged. The US continues to hold the SC65B Secretariat and ISA will continue to manage the SC65B USTAG. The intent is to just merge the existing SC65D TAG under the USTAG for SC65B with Tatera serving as a deputy TA. Tatera will handle the analytical work formerly under SC65D. Sasajima noted that Japan will be hosting the next major IEC Plenary meeting in 2008. He offered to work with TC65 and other committees of interest to ISA to secure their participation at this meeting.</p>
14	<p>IEC General Meeting in USA 2010</p> <p>Verhappen and Ferson briefly reviewed the efforts underway to secure funding for the IEC General Meeting to be held in Seattle in 2010. Based on ISA's heavy involvement in several IEC Technical Committees, those present concurred it would be appropriate for ISA to support this effort. <i>Zielinski moved and Sands seconded that the S&P Board recommend that ISA commit \$25,000 to support the IEC General Meeting in 2010.</i> Motion approved. NOTE: The S&P Department Board's recommendation was subsequently approved by the ISA Department Board.</p>
15	<p>ISA Forum – France 2007</p> <p>On behalf of Dumortier, Verhappen informed the Board that the French Section of ISA was presenting a forum on 9 and 10 May 2007 with a major focus on ISA standards committees, specifically ISA-SP88, ISA-SP95, ISA- SP100, ISA-SP101, ISA-SP103, ISA-SP104. A number of committee leaders have been invited to make presentations.</p>
16	<p>ISA-SP100 Wireless Systems for Automation Report</p> <p>Zielinski briefly reviewed the results of the recent call for proposals meeting held at ISA in September. During this meeting ISA-SP100.11 and ISA-SP100.14 heard over 25 proposals but the major focus seems to be coalescing around two major industry efforts. Sands, Jamison and others noted it is a very dynamic and active committee. Zielinski reported that the established SP100 classes 0-5 have been universally accepted and the future focus will be on merging the two existing working groups (.11 and .14) and then moving forward with a combined effort to achieve consensus. Zielinski noted he is continuing to work with the committee leadership to avoid the commercial influences that arose around the fieldbus standardization work and to keep the work moving forward.</p>
17	<p>ISA-SP101 Human Machine Interface Report</p> <p>In addition to the scope and purpose statements approved earlier; Sands noted that ISA-SP101 has received a lot of good publicity and is well-staffed with volunteers. They anticipate a good meeting in Houston and while the work has gotten off to a slow start it can be attributed to the effort to reach consensus on the overall goals and objectives.</p>
18	<p>ISA-SP102 High-Power Research & Development Electrical Systems Report</p> <p>Webb reported for Widmeyer noting that recent management and staffing changes at the national labs providing technical support for this project had resulted in schedule delays. However, there is still strong interest and the work is expected to continue.</p>
19	<p>ISA-SP103 Field Device Tools and ISA-SP104 Electronic Device Description Language Report</p> <p>Webb noted that both committees are staffed and work is expected to begin on ISA-SP104 this Fall. Lindner noted the IEC work is not yet at a stage where the ISA-SP103 committee can begin. Lindner anticipates the IEC draft will be at the Committee Draft for Vote stage by mid 2007 at which time the corresponding ISA committee will become more active.</p>

20	<p>Update on SCC and CSA Activities</p> <p>Verhappen referred those present to the material on CANEENA which had been provided by Reimer. While working through CANEENA may be an option at some point in the future, those present supported working with CSA as a first step to help introduce ISA standards into the future curriculum for technicians throughout Canada. The Board noted the good results that have already been achieved in Ontario through the efforts led by an individual member, Berny Portolesi. As a result of the discussions, <i>Sands moved and Maggioli seconded that the Department pursue a relationship with CSA that would help promote the acceptance and usage of ISA standards within the technician training curriculum throughout Canada.</i> Motion approved.</p>
21	<p>New Venture Covering Standards Compliance</p> <p>Verhappen reported that there has been strong support for ISA to continue efforts in support of standards compliance specifically in certain areas such as security, safety and potentially wireless. He noted that the Executive Board had approved funding for this new venture in September.</p> <p>New Venture Development Acceleration & Promotion –</p> <p>Verhappen noted that the New Venture funding had been used to promote and accelerate the development of standards such as ISA’s SP99 security and SP100 Wireless Systems activity. This support will continue through 2007.</p>
22	<p>Update on Discussion with UL Relative to ISA-SP12.13 and ISA-SP92 Efforts</p> <p>Verhappen and Ferson reported for Coppler and informed the Board of recent concerns raised by UL related to ISA PINs on the 92 series. Several Directors noted this is a continuation of issues going back to the original ANSI/ISA 12.13 series and the duplication with UL2075. Those present agreed Coppler should pursue efforts to resolve these issues with UL while maintaining ISA’s ongoing standards work in the 92 and 12.13 series.</p>
23	<p>Update on ISA 20/Namur Activity</p> <p>No report was given.</p>
24	<p>Review of Committee Resources for 2007-2008</p> <p>No changes were proposed to the existing committee support or list of active committees.</p>
25	<p>S&P Board Director Assignments</p> <p>Verhappen and McAviney will be reviewing the Managing Director assignments and making changes to accommodate the transition for the 2006-2007 Society year. NOTE: new Directors nominated and appointed to the S&P Board for the 2007 Society year are: James Jamison and Donald Dunn.</p>
26	<p>ISA Standards Endowment</p> <p>Verhappen introduced Baker and asked him to discuss the standards endowment concept. Baker thanked the Board for the Department’s progress and efforts over the years and noted that as a result ISA is recognized globally as a leading standards development organization. The concept of a standards endowment will be to use money generated by the Society reserves to not only ensure the standards development process continues to be fully funded but also to provide an additional member benefit for the free downloading of ISA standards. He noted that other activities such as the compliance institute are also furthering the role of the Society in support of standards. The Board supported the concept but several Directors noted the Society has gone back and forth over the years on providing standards as a membership benefit and urged a long-term, consistent approach. Moved by McAviney seconded by Zielinski that <i>the S&P Board support the free electronic distribution of standards to members as a member benefit and further the Board strongly recommends the creation of a standards endowment as a funding mechanism to ensure continuity of this benefit.</i> Motion approved. NOTE: ISA’s Executive Board subsequently approved the availability for free of ISA developed standards in downloadable format to ISA members and designated funds from excess Society reserves to support standards and the other key ISA competencies.</p>

27	Any Other Business McAvinew thanked Verhappen for his leadership and expertise in serving as Department Vice President. He noted the many accomplishments such as the NAMUR liaisons, the approval of new activities, and the progress in key areas such as security during his term. Verhappen thanked the Board and acknowledged the strong support he had received during his term. He expressed his intent to continue to support the Department's ongoing standards work and desire to remain actively involved in the future.
28	Plans for the Next Meeting and Adjournment Verhappen and McAvinew stated that there would be a tentative conference call of the Board in January or February. The next face-to-face meeting of the Board will occur in conjunction with the President's Spring Meeting in Scottsdale June 23-26, 2007. Weidman moved and Webb seconded that the meeting be adjourned. Motion approved.

Annex A –

NEW STANDARDS PROJECT PROPOSAL	
Project Number (Assigned by ISA Staff) 2006-1	
Proposer (Individual/Division)	Date of proposal 10/2006
ISA Committee Number (if any)	Managing Director (Assigned by ISA)

A proposal for a new standards project shall be submitted to the ISA Technical Services Department, to the attention of the S&P Board Secretary. The Proposal will be circulated to the ISA S&P Board for consideration and approval. The proposer may be an individual, an ISA Standards Committee, Section, Division, or District.

The proposal (to be completed by the proposer)

Title of proposal : Standard for Quality Impulse tube works at field with double compression SS fittings .	
Scope of work : <ol style="list-style-type: none"> 1. How to do correct Impulse tube works of SS with double compression fittings. 2. How to inspect the impulse tube works during pre commissioning of a plant . 	
Purpose and justification for this activity (Attach a separate sheet or proposed draft, as applicable.) : No relevant standard exists for such activity . It is very difficult for the construction engineer to assure right quality . There is no world wide inspection procedure also . Different vendors recommend different activities . There is even lack of awareness in Engineering construction companies also . It is quite important for Chemical / Toxic / neuclear fuel handling plants to have such standards . Leaks from impulse connections are loss and threat to society . Piping standards are quite stream lined today , but the instrumentation impulse connection is yet to be developed . Target date (Date by which industry needs this document)_____	
Relevant National and International Standards to be considered : BS 4368	
Relationship to other standards committees (both national and international) and/or other ISA activities : Relevant in accuracy and safety for all Instruments that work on impulse connection .	
Liaisons that should be established	Required coordination (Inter/Intra-Society)
Preparatory documentation <input type="checkbox"/> A draft is attached <input type="checkbox"/> An outline is attached and it will be possible to supply a draft by (date): _____ <input type="checkbox"/> It is not possible to supply a draft or an outline	
Concerns known patented items <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide additional details as an attachment	Signature, address, telephone, and telefax of the proposer (Please print): Nilanjan Mukhopadhyay . Sr. Manager , Haldia Petrochemicals Limited . India .Fax : 0091 3224 274013 . email :

Annex B – Department, Liaison, or Managing Directors Reports

ISA SP12 report to board 10/15/06.

The SP12 committee and its subcommittees continue to develop and maintain standards related to electrical equipment for use in hazardous locations. Their last meetings were held September 25 thru 29 with three sessions daily from 7:30am till 5:30pm and two evening sessions in order to avoid running beyond one week.

Currently, there are 36 documents under the ownership of this group and about 10 of those are under development or being updated.

The committee continues to follow and support a number of proposals that they and their members have submitted to NFPA for the next (2008) revision of the National Electrical Code. Discussion also included status of the IEC Ex scheme, which many of the members are active in.

The USNC IEC TAGS also meet in conjunction with the SP12 meetings. They are currently doing active maintenance on more than 18 documents. It seems they were successful in convincing IEC to let TC31 lead the way to addressing non-electrical sources of ignition in hazardous locations.

In the latest Chairman's Advisory Group meeting, Ted Schnaare reviewed the flowchart of the UL/ISA harmonization scheme. Things seem to be working well.

The next meetings of the SP12 committee will be held the week of March 26, 2007 in St Petersburg, Fla.

The SP12 committee requests that the board approve the proposed revision of the committee scope to align with the changes in IEC TC31 scope and that we address problems created by UL2075, which overlaps the scope of ISA S12.13.01 (61779-1).

Current Status of SP84 and SP91 submitted by V J Maggioli September 25, 2006

SP84 (Chair: William H. Johnson)

*ANSI/ISA S84.00.01 – 2004 (IEC 61511 mod) Parts 1, 2, and 3: Functional Safety: Safety Instrumented Systems for the Process Industry Sector:
(leader: W H Johnson)*

There are two international efforts underway that will impact this standard in the future. They are:

1. IEC61508 maintenance is at the CD stage and it is being worked on to achieve CDV status. This standards major impact is its impact on the design and manufacture of safety-related devices.
2. IEC61511 maintenance began in May 2006. It is focused on updating IEC 61511 based on changes to IEC 61508 and comments from user/owners on the existing IEC 61511 standards.

IEC61508 is implementing an accelerated meeting program in an effort to meet their maintenance schedule. The maintenance team is split into two groups, one dealing only with software and the other with all other issues. Meetings in Vienna and Geneva have been held. A very interesting byproduct of these meetings will include proposed modifications to the safe failure fraction (SFF) and combining two channels on one chip.

IEC61511 had its meeting in Rome. The 1st meeting was dedicated to a complete review of the normative session by all committee members. A preponderance of editorial comments resulted, although SFF was discussed in this meeting as well.

ISA TR84.00.02 – Parts 1, 2, 3, 4, and 5: Safety Instrumented Functions (SIF) – Safety Integrity Level (SIL) Evaluation Techniques (Leaders: Angela Summers and Larry Suttinger):

Maintenance on this TR was begun at the Orlando meeting. Initial goal is to try to reduce the number of parts and to clarify SIF quantification approaches.

ISA TR84.00.03 -2002: Guidance for Testing of Process Sector Safety Instrumented Functions (SIF) implemented as or within Safety Instrumented Systems (SIS): (Leader: K. V. Gandhi)

This TR is due for its five year maintenance cycle. Two key issues were addressed in Orlando, as follows:

1. Staffing the maintenance team with necessary talent to address this complex problem
2. Ensure harmonization with ISA SP96 addressing the developing safety valve standard.

ISA TR84.00.04 – Parts 1 and 2: Guidelines for the Implementation of ANSI/ISA 84.00.01-2004(IEC 61511 mod): (Leader: Angela Summers)

ISA TR84.00.04, Part 1 (Guideline on the Implementation of ANSI/ISA 84.00.01-2004 (IEC 61511 mod)) and Part 2 (Example of the Application of ANSI/ISA 84.00.01-2004 (IEC 61511 mod)) are complete and are available as ISA Standards.

ISA dTR84.00.05 - The Application of ANSI/ISA 84.00.01-2004 Parts 1-3 (IEC 61511 mod) for Safety Instrumented Functions (SIF) in Burner Management Systems (BMS): (Leader: Dennis Zetterberg)

dTR 84.00.05 committee is reviewing and responding to comments to its draft TR.

Draft copies of the TR are presently being consolidated and edited for issue as a new TR draft>

New TR draft version will be issued to SP84 for an official vote.

ISA dTR 84.00.06 - Safety Field-bus Design Considerations for Process Industry Sector Applications: (Leader: Robert Adamski):

The scope of the dTR84.00.06 is to:

- a) Develop guidelines and/or technical reports to assist users implementing any and all field-bus technologies in safety instrumented systems. Guidance and good engineering practice recommendations cover the application of both safety field-bus protocols and safety field bus devices.
- b) Review the use of field-bus technologies and develop additional requirements not included in ISA 84.00.01-2004 (IEC 61511 mod),
- c) Recommend changes or additions to developing guidelines for existing process sector functional safety standards (e.g. ISA 84.00.01-2004 (IEC 61511 mod)),
- d) Recommend future upgrades (i.e., during maintenance cycles) to newly issued functional safety standards (e.g., IEC 61511) based on these requirements,

Status: Draft version is presently issued for SP84 ballot.

Working Group 4 (WG 4) – Develop a Technical Report on Electro-Magnetic Compatibility (EMC) issues for Safety Instrumented Systems. (Chairman is Tim Layer):

The previous status provided has not change. WG 4 has been collecting information on current industry practices on this issue. Progress has been slow since team members with good engineering practices have been unable to meet to share their data.

Working Group 5 (WG 5) – Develop a Technical Report on Software Quantification for Safety Instrumented Systems. (Leader: Janet Flynt)

This subject shall be addressed in TR84.00.02 maintenance.

Working Group 6 (WG 6) – Fire and Gas (FGS). (Leaders: Michael D. Scott and Robert Seitz)

WG 6 is a spin-off of the BMS effort (dTR84.00.05).

The Orlando meeting resulted in the following:

The FGS sub-committee has been actively working on developing a reliability model to address the differences between preventative and mitigative instrumented functions. This model was presented to the S84 committee at the President’s Meeting in Orlando, FL.

Based upon the S84 committee’s notice to proceed with our current direction, the FGS sub-committee has held several subsequent meetings in Houston, TX to forward development of sample calculations based upon the reliability concepts developed to date. A sample calculation for fire scenario has been developed. This sample calculation and supporting text shall be issued to the working group for review / comment at the upcoming ISA EXPO.

Based upon working group members feed back, we envision subsequent development of sample calculations for combustible and toxic gases to be tackled as our next step towards overall completion of the TR.

On a side note, the working group is also attempting to coordinate with NFPA with regards to performance based Fire System Designs. Surprisingly enough, NFPA has endorsed performance based design concepts and actually has issued several standards that support this effort.

NFPA 550: Guide to Fire Safety Concepts Tree (Has a reliability model included that matches what the working group developed on our own!!)

NFPA 551: Guide for the Evaluation of Fire Risk Assessments

The working group is very nicely aligned with the direction traditional fire design is heading with regards to performance based designs for schools, hospitals, hotels, etc. which is a very pleasant surprise. Thus, WG 6 simply need to overlay current process industry direction on performance based designs with the traditional fire system performance based concepts and WG 6 should be able to extract the best of both positions in our TR efforts.

The working group is also coordinating with CCPS and has agreed to review a concept book they are in the process of developing entitled "Placement of Remote Sensors to Detect Catastrophic Chemical Release".

SP91 (Chair: Richard R Dunn)

ISA TR 91.00.01 – Identification of Emergency Shutdown Systems and Controls That Are Critical to Maintaining Safety in Process Industries: (Leader: Richard R Dunn)

This Technical Report is due for its five year maintenance.

ISA-SP67 Committee Report to S&P Board Submitted by William G. Sotos

ISA67 Committee Status – Chairman W. Sotos

The committee last met on June 6, 2006 in San Jose, CA. The primary focus of this meeting (similar to other recent meetings) was an ongoing issue with the Nuclear Regulatory Commission regarding the calculation of allowable values that SP67.04 is addressing, 67.04 activity, the status of SP67.03, subcommittee membership and subcommittee vacancies.

Klemme Herman and Tom Burton were added as voting members of the committee.

The ISA67 committee plans to next meet in Pittsburgh, PA during the ISA POWID Conference to be held June 10-15, 2007.

Subcommittee Status

ISA67.01 *Transducer and Transmitter Installation for Nuclear Safety Applications*
Chairman – Vacant

The existing standard will go out for reaffirmation next year (2007).

ISA67.02 *Instrument Sensing Line Piping and Tubing Standards for Use in Nuclear Power Plants*
Chairman – Vacant

The existing standard is out for reaffirmation. A chairman will be named should a revision be required. There have been some comments regarding tubing slope that require resolution. Jerry Voss has volunteered to assist in resolving these comments.

ISA67.03 *Reactor Coolant-Pressure-Boundary Leak Detection*
Chairman – Vacant

The basic point of interest is Reactor Coolant System (RCS) Leak-Detection. A revision was prepared several years ago but no action taken. However, because of recent industry events, interest in this standard has increased. The SP67 committee has determined that there is a need for this standard and therefore is reactivating the committee with the intention of issuing a revised, updated standard.

Ivan Sturman, the past chairman of this committee, expressed interested in restarting and working through Hukam Garg's (NRC reviewer and member of SP67) comments on this document. As a result he has been elected as chairman once again. Bruce Rauch was elected as Vice Chairman and is expected to assist in leading this committee. Ivan Sturman was also added to the SP67 committee roster.

ISA67.04 *Setpoints for Safety-Related Instrumentation Used in Nuclear Power Plants*
Co-Chairmen – J. Voss and R. Fredricksen

Since the last report, the chairmanship has changed. Bob Queenan has stepped down after successfully getting the revised standard approved and published. Bob has been replaced by two Co-Chairmen – Jerry Voss and Bob Fredricksen.

This is the most active committee right now. ANSI/ISA-67.04.01-2006 has been published as of May, 2006. This was a significant revision because it removes the concept of Allowable Values and replaces them with performance based acceptance criteria.

The subcommittee has been charged with revising recommended practice 67.04.02 to ensure that it is reflective of the latest revisions made to standard 67.04.01. A draft is to be ready for ballot by June, 2007. In order to meet this aggressive goal, revisions to the recommended practice will be minimized to only address issues related to the newly revised standard. There are numerous other issues beyond this that will need to be discussed further but will be addressed after the recommended practice is revised next year. Several teleconferences and face-to-face meeting will be scheduled to work on the revision.

A revised Scope and Purpose statement for the recommended practice was approved by the subcommittee and will be forwarded on for the necessary approvals. The revised Scope and Purpose will be sent out via email for approval by the SP67 committee.

We are also considering splitting the subcommittee into two separate subcommittees, one for the standard and one for the recommended practice. No decision on that has been made at this time.

ISA67.06 *Response Testing for Nuclear Safety-Related Instrument Channels in Nuclear Power Plants*
Chairman – J. Redmon

This committee is currently not active however the standard is to be sent out for reaffirmation next year (2007). There are some issue that may require addressing but these have not yet been clearly identified. It is intended that the balloting process handle any new issues.

ISA67.14 *Qualification and Certification of Instrument and Control Technicians in Nuclear Power Plants*

Chairman – Vacant

All US nuclear power plants use other guidance for training and qualification of their I&C technicians. Some non-power nuclear facilities may still use the standard but this is a very small group. Based on previous meeting discussions and recent feedback, it has been decided that the standard will be formally balloted for withdrawal. Several SP67 members have objected to the withdrawal of this standard so the balloting process will determine whether or not we keep this standard current (including ANSI approval), keep the standard but let the ANSI approval lapse, or withdraw the standard. We intend to ballot this in late 2006.

ISA67.16 *Safety Related, Digital Based System Upgrades at Nuclear Power Plants*
Chairman W. Sotos

The committee is inactive including all working groups.

ISA67.17 *Installation of Non-Conductive Fiber Optic cable in Nuclear Power Plants*
Chairman - Open

This committee is still in the formative stage. It intended to have its first meeting in San Diego (June, 2002) but was unable to meet due to the chairman's unavailability (work related). Further activity is on hold until such time a new chairman is found and a viable committee formed. Interest appears to be minimal at this writing.

Other Items

The topic of new plants and new standards was discussed. The SP67 committee will likely form a subcommittee or working group to address these issues. Rick Tuley has volunteered to take the lead in this.