

OM CODE SUMMARY

December 2006

(St.Pete Fla.)

ISTOG Meeting January 2007

SCOMC

- Determined to maintain SCOMC
- Meet with Standards Committee
- Will Answer Code Inquiries
- Will provide more "technical guidance" to the sub-groups"
- Interfacing with the OM-19 Sub-group to "expedite" approval of Appendix IV.

SCOMC

Code Inquiries

- Process being established
 - **OM Secretary receives an inquiry.**
 - **Secretary forwards to OMMC and SCOMC Chairs (they review to determine if inquiry should be processed any further).**
 - **If additional processing is not needed, Secretary sends letter to inquirer.**
 - **If inquiry is to be processed further, Chair & V Chair of SCOMC and Chair of affected SG consult to select members of a Special Committee in accordance with Section B, 13.1.1, of the MOM.**

SCOMC

Code Inquiries

- Process being established
 - **SG Chair coordinates response development (or determines necessary course of action, with committee member input).**
 - **Special Committee reviews and approves inquiry response.**
 - **OM Secretary sends inquiry ballot to SCOMC with a 2-week review period.**
 - **When approved, OM Secretary sends completed inquiry response to OMMC Chair for issue to inquirer.**

ISTA Subgroup

ISTA—General Requirements

- Code Cases are going to be incorporated into OM Code ASAP.
- Code Cases are going to have “applicability” added (e.g. 1995 edition thru the 2006 addenda). Any Code being used which is NOT “applicable” will require relief from NRC.

ISTA Subgroup

ISTA—General Requirements

- Discussion on the “meaning” and “intent” of ISTC-3521(g), and ISTC-3522(e), regarding the meaning and requirements for CSD Testing.
- Discussion on the incorporation of OMN-1 into the Code as ISTC Appendix III.
- Discussion on what PORVs are referred to in ISTC-5110 and what testing is required.

ISTC Subgroup

ISTC---Valves

- **Revise Categories of Valves (Cat A vs. Cat AC)—** Recent regulatory inquiries regarding the determination of Cat A and AC valves. Will be evaluated prior to next OM Code meeting (June 2007).—V-96-03—Determined to NOT revise Code but to “evaluate” ISTOG position.
- **Rapid Acting Valves, Stroke Testing of 2-4 second valves. V-02-01---CLOSED. No Action Taken.**
- **Incorporation of OMN-1 into ISTC. V-97-01. OMN-1 Revision 1 approved (6/06).**

ISTC Subgroup

ISTC---Valves

- Appendix I and ADS valve test schemes is working.
- OMN-8 is being revised for applicability and being incorporated into OM Code, ISTC-5100. OMN-8 has been approved by ASME in early 2006. Should be in 2007 edition.

ISTC Subgroup

ISTC---Valves

- Appendix III (OMN-1) Approved and incorporated into 2007 Edition of OM Code.
- Appendix IV (AOVs)—Not Approved.-Working to resolve issues.
 - Risk Informing AOVs
 - Acceptance Criteria
 - Standardization of Requirements
 - HOVs?
 - Methods of “evaluating” AOV condition
- OMN-8 is being revised for applicability and being incorporated into OM Code, ISTC-5100. OMN-8 should be approved by ASME in early 2006. Should be in 2007 edition.

ISTC Subgroup

ISTC---Valves

- Discussion on elimination of position indication verification for passive valves.

ISTB Subgroup

ISTB---Pumps

- OMN-6, Revision 1, Digital Instrument Range of 90%, approved.
- Incorporated OMN-6 into the 2006 Addenda of OM Code. Revision was primarily for “applicability statement”.
- Revision to ISTB-6200 to provide clarification for use of Alert Range Analysis Requirements. Should be approved 2007. (P00-02)

ISTB Subgroup

ISTB---Pumps

- OMN-9, Code case for use of pump curves being revised for “applicability” (and to resolve NRC concerns regarding the required measurements). Should be approved in 2007.

ISTB Subgroup

ISTB---Pumps

- P00-04, regarding Temporary Reference Values and Repair, Replacement and Maintenance of Pumps. In particular, can you use a Group A Pump Test in lieu of a Comprehensive Pump test, when a Group B pump has had “major maintenance” which could affect the Hydraulic Profile of the pump, return the pump to operability, in part based on the results of the “mini-flow” test, and then perform a Comprehensive Pump test as soon as practicable?—this was **CLOSED** without any further action being taken.—To be discussed at NRC/ASME meeting in March 2007.

ISTB Subgroup

ISTB---Pumps

- Pump Design Flow Rate, being redefined as Comprehensive Pump Test Flow Rate (P03-02). Still NOT fully acceptable. -- To be discussed at ASME/NRC meeting in March 2007.

ISTB Subgroup

ISTB---Pumps

- Comprehensive Pump Test Substitution, regarding the use of a Group A test in lieu of CPT, using ONLY installed instruments (provided that the instruments satisfy the IST requirements for 2% tolerance and 3 times ref value or less for Range. The proposal is to permit the pressure instruments for CPT to continue to use the instrument tolerance of +/- 2% in lieu of the requirement to use instrument tolerance of +/- 0.5% for pressure instruments. To change the 103% upper limit for the pump acceptance criteria from "required action" to "alert", implement the more restrictive acceptance criteria for the lower limits (Alert and Required Action). To be discussed at ASME/NRC meeting in March 2007.

ISTB Subgroup

ISTB---Pumps

- Question on the requirements for a Group B Pump Test???
 - Bump Test?
 - Modified Group A Test?

To be discussed at the ASME/NRC meeting in March 2007.

Appendix I Subgroup

Appendix I—Safety and Relief Valves

- Code Cases OMN-2, 5, and 14 being incorporated into OM Code and will be allowed to “expire”.
 - OMN-2—Thermal Relief Valves
 - OMN-5—Testing of Liquid RVs without insulation
 - OMN-14—BWR CRD Rupture Disk exclusion from Appendix I.

Extension of RV testing greater than 5 years for Class 1/MSSVs—Looking at 7.5 years frequency. Maintenance requirements will be added to Appendix I which will permit this.

Appendix I Subgroup

Appendix I—Safety and Relief Valves

- Range of Ambient Temperature Consideration in lieu of one ambient temperature for testing. 2nd Consideration
- Alternative to IST Plan “grouping” of RVs . Code Case to track by serial number.

MOV/AOV Subgroups

- **OM-8---MOVs**
- OMN-1 incorporation into Appendix III of the OM Code is approved. – Should be in the 2007 Edition of the Code.
- 10 sites currently implementing OMN-1, Revision 0.
- 21 sites pending for implementation of OMN-1, Revision 1.
- **OM-19---AOVs**
- Code Case OMN-12 submitted for Comments.—December 2006. – 9 Negative votes
- It was determined to have the OM SC “assist” the OM-19 group in this endeavor.
- Code Case to be incorporated into OM Code as Appendix IV. 2007? -- Probably NOT going to happen until 2008 edition at earliest. Areas of scope, acceptance criteria, guidance and risk sited as concerns.

ISTD Subgroup

ISTD---Snubbers

- Preparation for approval of Code Case OMN-13, Revision 1.– Still working to resolve comments; primarily the frequency of snubber testing. Eliminates the +/- 25% grace.
- Discussion on “promotion” of the use of the ISTD and Code Cases for snubber testing. NRC exhibited “favorable” position of stations using ISTD and Code Cases, in lieu of Technical Specifications.

ISTD Subgroup

ISTD---Snubbers

- Completion of changes to IWF and ISTD to incorporate snubber testing (pin-to-pin), into ISTD.
- Discussion on “promotion” of the use of the ISTD and Code Cases for snubber testing. NRC exhibited “favorable” position of stations using ISTD and Code Cases, in lieu of Technical Specifications.

ISTE Subgroup

ISTE---RI-IST

- Essentially ISTE will become a new subsection of the Code. ISTE essentially will provide a "pointer" to the Code Cases (Appendices) regarding RI-IST methodology, as the sections and Code Cases are approved and endorsed by the NRC. ISTE is being submitted for Comment. 2006?
- Based upon comments received will probably be incorporated into 2007 edition of the OM Code.

Check Valve Subgroup

- **OM-22---Check Valves**
- Discussions regarding disassembly and Inspection of CVs during Power Ops. Primarily now, NRC “encourages” the use of CV Condition Monitoring for the “online D&I”.
- CV CMP guidance on using “historical data”. Some confusion exists as to if and when you can use “existing” historical CV data to implement the Appendix II CV Condition Monitoring. This would be a “clarification” of the Code

Check Valve Subgroup

- OM-22---Check Valves
- Instrumentation Accuracy for CV Testing

Liaison Reports

Liaisons--NRC

- Much discussion involving NRC “re-organization” many “IST folks” (Lee, Scarborough, Unikeiwicz, etc...), may be move to new reactor division resulting in many new “faces” in the NRC and IST world.
- 10 CFR 50.53—RI-IST Final Rule out for Public Comment.
- Look to approve OM Code 2004 addenda in June 2007
- RG 1.193 Rev. 1 issued in October 2005. Expect revision 2 of RG 1.193 to be issued in early 2007.
- RG 1.192 will be revised on an “as required” basis. When Code Cases have been revised or changes to “applicability” have been made and approved by ASME...and Included in the revised ASME OM Codes. – Possible revision to RG 1.192 in 2007.

Liaison Reports

Liaisons--NRC

- 10 CFR 50.69 – Risk-Informing Special Treatment Requirements – Approved:
 - Reg Guide 1.201 – Guidelines for Categorizing SSCs – January 2006.
 - One Pilot Plant (WC)
 - No FLCs submitted to NRC to implement

Liaison Reports

Liaisons--NRC

- Generic Communications
 - IN 2006-015 –Vibration induced Degradation and Failure of SR Valves.
 - IN 2006-021 –Entrainment of Air into ECCS and Cont Spray Systems.
 - IN 2006-24 – RECENT OPERATING EXPERIENCE ASSOCIATED WITH PRESSURIZER AND MAIN STEAM SAFETY/RELIEF VALVE LIFT SETPOINTS
 - IN 2006-26 – Failure of Magnesium Rotors in MOV Actuators
 - RIS

Pump Performance Task Group

Pump Performance

- Looking at moving pump testing to 6 months using more “comprehensive tests/exams (e.g. oil analyses, spectral analysis for vibration).
- Various discussions on pump performance testing which will eventually be incorporated into the Code (ISTB).

RISC-3 Task Group

RISC 3—Low Safety Significant

- Discussions on testing/examinations required to be performed on Low Safety Significant Components/Systems.
- Trying to satisfy the requirements of 10 CFR 50.69 regarding test/examinations required for RISC-3 components (Low Safety Significant components).
- Discussion on applicability of various tests/examinations. Expect first deliverables in 2007 edition of OM Code.

Miscellaneous

- Discussion regarding adoption of ASME/OM Codes in the world (Japan, Spain, China, Europe, UK).
- Next OM Code meeting in June 2007 in Alexandria Va. (6/18 – or 6/25 -)
- Winter Code meeting to be in Clearwater or St. Petersburg Fla. In December (12/4 – 12/7) 2007.
- Summer 2008 Code Meeting to be in Washington DC (7/13 – 7/18) with ASME/NRC P&V Symposium
- Winter 2008 Code Meeting to be in St. Pete (12/2 – 12/5).

Questions?