MEETING OF
ADVISORY COMMITTEE ON WATER INFORMATION'S (ACWI)
SUBCOMMITTEE ON HYDROLOGY (SOH)

9:00 a.m. – Noon, Eastern Time
January 20, 2011
Room 1052-S
USDA South Building
Washington, D.C.

M I N U T E S

AGENDA

1.	Welcome and Introductions	Claudia C. Hoeft
2.	Review and Approval of Agenda	Claudia C. Hoeft
3.	Approval of Minutes from October 21, 2010	Claudia C. Hoeft
4.	Status of Action Items from October 21, 2010 Meeting	Claudia C. Hoeft
5.	Water Data Work Group Status	Dave Goodrich
6.	SOH Membership (Follow-up discussions)	Claudia C. Hoeft
7.	SOH Terms of Reference and Invited Guests (Follow-up discussions)	Victor Hom
8.	Hydrologic Operational Multipurpose System (Follow-up)	Victor Hom
9.	Hydrologic Modeling Inventory	William Merkel
10.	Risk based assessment / Event Severity Discussion – Part 1	Victor Hom
11.	Work Group Reports	
	a) Hydrologic Modeling Work Group	Jerry Webb
	b) Hydrologic Frequency Analysis Work Group	Will Thomas
	c) Hydrologic and Hydraulic GIS Applications Work Group	William Merkel
	d) Extreme Storms Work Group	Tom Nicholson
	e) Satellite Telemetry Interagency Workgroup	
12.	Current Events within Hydrologic Communities	All
13.	Announcements and Q&A on Business Reports from Member Organizations	All
	a) Business Reports	
	b) *"The SOH CONNECTIONS" Newsletter Editor's Report*	
	b) Other?	
14.	Review Action Items	All
15.	Next Meeting	Claudia C. Hoeft

Adjourn

ATTENDEES

Subcommittee on Hydrology Members

Martin Becker	Defenders of Property Rights (DPR)	*(phone)*
Brian Beucler	Federal Highway Administration	*(phone)*
Robert Boyd		
Ted Engman	National Aeronautics and Space Administration	
Joseph Giacinto	U.S. Nuclear Regulatory Commission	*(phone)*
David Goodrich	USDA Agricultural Research Service (ARS)	*(phone)*
Claudia Hoeft	USDA Natural Resources Conservation Service (NRCS)	
Victor Hom	National Oceanic and Atmospheric Administration (NOAA/NWS)	*(phone)*
John Hunter	U.S. Army Corps of Engineers	
Sam Lin	Federal Energy Regulatory Commission (FERC)	*(phone)*
Robert Mason	United States Geologic Survey (USGS)	
David Raff	Bureau of Reclamation	*(phone)*
Richard Raione	U.S. Nuclear Regulatory Commission	
Gene Stallings	National Hydrologic Warning Council (NHWC)	*(phone)*
Nancy Steinberger	Federal Emergency Management Agency (FEMA)	*(phone)*
Jerry Webb	U.S. Army Corps of Engineers	*(phone)*
David Wells	Environmental Protection Agency	
Donald Woodward	Global Ecosystems Center	
Max Yuan	Federal Emergency Management Agency (FEMA)	*(phone)*

1. **Welcome and Introductions**

   Claudia Hoeft, Chair, welcomed members of the SOH present in person and via telephone to the January meeting of the SOH in the South Ag Building in Washington, D.C.

2. **Review and Approval of Agenda**

   The agenda was reviewed and several changes proposed to accommodate members who would be unable to stay for the entire meeting. Those changes included moving the Water Date Work Group Status report to follow immediately after the Status of Action Items from the October 21, 2010 meeting, and to add an item to Review Action Items prior to the Plans for the Next Meeting.

3. **Approval of Minutes from October 21, 2010**

   Several people submitted corrections to the October 21, 2010 minutes via e-mail to Claudia. She incorporated those corrections and shared all of them during the meeting. No further corrections were recommended and the minutes approved with the noted corrections.

   Action Item: Claudia to send final minutes from the October 21, 2010 meeting to Carol Lewis for posting on the SOH web-site.

4. **Status of Action Items from October 21, 2010 Meeting**

Action Items	*Status*
1. Claudia Hoeft: Send minutes from the April 29, 2010 meeting to Carol Lewis for posting on the SOH web-site.	Complete
2. Claudia Hoeft: Send request for nominees (or volunteers) for Vice-Chair of SOH. Proposed due date: October 29. 2010.	Complete
3. SOH Members: Submit names of nominees (or volunteers) for Vice-chair to Claudia. Proposed due date: November 26, 2010.	Complete
4. Claudia Hoeft: Contact nominees and/or volunteers to verify their willingness to serve. Proposed due date: December 3, 2010.	Complete
5. SOH Members: Vote for Vice-chair. Proposed time-frame: December 6 through December 31, 2010.	Not necessary. Volunteer stepped forward.
6. Claudia Hoeft: Contact new Vice-chair and notify SOH members of the selection. Proposed due date: January 6, 2010.	Not necessary. Volunteer stepped forward.
7. Vice-chair: Assumes office at next SOH meeting on January 20, 2010.	Complete
8. Martin Becker, Don Woodward, Victor Hom and other interested members: Review the SOH and ACWI Terms of Reference to determine if any additional guidance is necessary regarding attendance of guests at SOH meetings and to make further recommendations to SOH. Due date: Report back to SOH at January 2011 meeting.	Complete
9. Bill Merkel: Contact Dr. Singh regarding information on Hydrologic Model Inventory web-site (database) usage and make a presentation on the Hydrologic Modeling Inventory web-site at the next SOH meeting in January.	Status uncertain. Bill Merkel not in attendance at meeting.
10. Victor Hom: Check on the HMS inventory/database and report back at the next meeting in January.	Complete
11. Claudia Hoeft: Share the e-mail from Wendy Norton with SOH members with a request for comments on the draft WaterSMART Implementation Plan. Comments are to be sent to Richard Raione or Claudia Hoeft by November 3, 2010.	Complete
12. Claudia Hoeft and/or Richard Raione: Compile comments on the draft WaterSMART Implementation Plan and return via e-mail to Wendy Norton by November 19, 2010.	Complete
13. Claudia Hoeft – Discuss with Dave Goodrich next steps. Could we have Ilya present to SOH at the next meeting or is that too late?	Complete
14. Victor Hom – Report to SOH on NOAA/NWS activities on risk based assessment and describing event severity at the next SOH meeting in January.	Complete
15. Claudia Hoeft: Contact Wendy Norton to see how to submit a letter to Mr. Grisa thanking him for his paper and encouraging this	Carry forward

dialogue through SOH and ACWI.	
16. Claudia Hoeft: Provide Carol Lewis the appropriate information to update the SOH web-site.	Complete
17. Victor Hom and/or Robert Mason: Contact STIWG to find out who the current chair is and what their status might be.	Complete

5. **Water Data Work Group Status**

Dave Goodrich reported the following items:

- David Maidment made a HIS presentation made to the Subcommittee for Spatial Water Data (SSWD), a subcommittee of which implied that the SSWD committee of ACWI is the logical subcommittee to coordinate data sharing efforts of all ACWI subcommittees
- The Secure Water Act of 2009 explicitly calls for "data management and communication protocols and standards to increase the quality and efficiency by which each agency acquires and reports relevant data; to consider options for the establishment of a data portal to enhance access to water resources data." This in effect establishes a statutory "Top Down" need for a system for water resources data sharing – ACWI/SOH and other subcommittees and agencies can inform on "how" the system will work and the data it will address.
- David Maidment presented to the OSTP Subcommittee on Water Availability and Quality (SWAQ) on Wed. Jan. 19 on HIS, WaterML 2.0 and the OGC water data standards efforts.
- CUAHSI is contracting with OGC to prepare a "Water Information Study" which will ask agencies to participate in, and commit resources to, this study on how agency data would work in the water data system environment and interface through the portal. We and our respective agencies need to be ready for this "call to participate" and sort out the most strategic way to participate.

6. **SOH Membership**

Richard Raione was elected as Vice-Chair of the SOH and will take over as Chair in Fall 2011.

7. **SOH Terms of Reference and Invited Guests (Follow-up discussions)**

Victor Hom reported that he, Martin Becker and Don Woodward via teleconference to discuss the issues raised at the last meeting regarding membership, terms of reference and invited guests. They made the following recommendations:

1) The SOH Terms of Reference does not need to be revised for invited guest. As stated in subsection D on page 3, "Meetings of the Subcommittee will be open".
2) The recommendation is that the SOH website (http://acwi.gov/hydrology/index.html) include a statement such as: " Non-members are welcome to attend meetings but will need to coordinate with the Chair on meeting logistics and entry registration and procedures at least

two weeks prior toa scheduled meeting."
3) The chair should develop a standard procedure for invited guests and inform the guest on the expectations for entry (such as picture id, guest registration list, predetermined arrangements (e.g. 30 mins prior to the meeting at location entry X), and escort procedures if applicable).
4) Since the recommendation is not to revise the TOR for the invited guest, the group recommends to take no action to conduct further review of the TOR for other changes.

Action Item: Claudia work to draft a standard procedure regarding welcome to meetings and expectations / needs of guests who wish to attend SOH meetings.

8. **Hydrologic Operational Multipurpose System (Follow-up)**

Victor Hom reported that HOMS is the acronym for the Hydrological Operational Multipurpose System established by the World Meteorological Organization for the transfer of technology in hydrology and water resources. The website is: (http://www.wmo.int/pages/prog/hwrp/homs/homs_en.html). The NWS Hydrology Program had provided some assistance to HOMS in 1999. HOMS is handled by the WMO.

9. **Hydrologic Modeling Inventory**

There was no report on this as Bill Merkel was unable to attend this meeting. This will be carried over to the next meeting.

10. **Risk based assessment / Event Severity Discussion**

The purpose of risk based assessment and a system for ranking event severity is primarily to raise awareness and communicate various hydrologic hazards such as flash floods and flood inundation with the public . There is an opportunity to improve hazard communications and better quantify forecast uncertainties through risk analysis. FEMA is working towards RiskMAP, USGS is working on Natural Hazards, USACE is enhancing the National Flood Risk Management Program, and NWS is leading the Integrated Water Resources Science and Services. However, there are numerous challenges in terminologies used in risk assessment and event severity scales. Terminologies may also include flood severity vs. flood scenario maps, and other scenarios such as dam break, low flow conditions and others. It was noted that NOAA has been working with Social Science to better understand and improve communications.

Victor Hom reported that NWS is not ready to adopt the Grisa concept discussed at previous meetings. More understanding is required. NWS has a few proposals similar

to this subject matter being considered at the National Severe Storms Lab. Unfortunately, funding is not firm.

Victor also provided the following information for future consideration/discussion:

- Risk-based hydrologic assessment is factored into NWS Flash Flood and River Products
- NWS goal is to save life, property, and economic well being of the United States through our forecast and warning services.
- The forecast and warnings are enhanced by products such as:
  - Spring flood outlooks … working with snow observers and cooperators such as USDA, USACE, USBR to collect snow data for hydrologic assessment.
  - Flash flood Potential Index (FFPI) and gridded flash flood forecasts which shows the amount of precipitation needed to trigger flash floods.
- For river flooding, NWS relies on issuing its forecasts and warnings relative to the flood categories, established locally by NWS Service Hydrologists and local officials such as emergency managers. The categories are minor, moderate, and major rainfall. NWS customer surveys and outreach show that these are understood well and should not be changed. The survey shows the need to better the quantification of certainty/uncertainty of the NWS forecasts and to enhance the communication of forecast to the effected local communities through flood inundation maps. The static flood forecast inundation maps will be accomplished through AHPS and the dynamic is part of IWRSS (Integrated Water Resources and Services) initiative, which is being spearheaded by NOAA, USACE, and USGS. As a sidenote, I think it is important to differentiate Flood Scenario Maps versus Flood Forecast Inundation Maps.
- Since rainfall is a big driver for floods, HPC produces Excessive Rainfall Forecast (http://www.hpc.ncep.noaa.gov/qpf/excess_rain.shtml)
- On the low end, NWS also monitors for drought potentials.

The challenge is that severe and extreme events have caught the Nationals attention. With climate change, scientists have been reporting more moisture in the atmosphere. There are three main factors to produce rainfall, namely, available moisture (precipitable waters), instability, and lift. So moisture is one of the main factors into the equation. To create the extreme rainfall, there needs to be the other triggers.

Action Item: Victor Hom will work on assembling information regarding terminologies in order to start examining and defining differences in terminologies. This information can then be inserted into future SOH minutes with a request for feedback.

11. Work Group Reports

a) Hydrologic Modeling Work Group

Jerry Webb reported that there was not a lot to report. The planning committee from last year's conference are wrapping up and pulling together all the files including lessons learned. Planning for the next conference will start in earnest next year. The next conference will be in 2014. There will be some changes in the planning committee: Jerry Webb replaces Don Frevert on hydrology side and will keep John Hunter with the COE apprised of actions. Jerry Bernard continues on the sedimentation side. Claudia Hoeft has volunteered to serve as technical coordinator on the hydrology side. One of the

challenges is to encourage better participation on the hydrologic modeling side of the conference. This year, the JFIC and ASCE Watershed Management Conference were within a month or so of each other. The ASCE Watershed Management Conference runs on a 5-year cycle, so the next one will be in 2015 which will hopefully mean less competition for the next JFIC. General recommendations from the group for future conferences included:

- Having focused panel discussions. For example this year at JFIC there was one session that focused on WinDAM (being developed by ARS in Oklahoma and NRCS). This session was not planned as a panel session, but came together that way and was a very successful, well attended session. Potential topics include uncertainties, risk and consequences. Moderators will be encouraged to reach out to contact specialists and develop additional panel sessions.
- There still may be a perception problem with managers regarding Vegas as the venue site. It might be helpful to look elsewhere for a new location. Atlanta was suggested as one alternative.
- Tap into students and include financial incentives for best paper, best poster, etc.
- Plan for 1000 attendees, recently have been 500 to 550 to 800.
- Pay travel costs ? NSF provided 26k grant for student participation last time, need to work with technical chairs earlier and funding mechanisms

b) Hydrologic Frequency Analysis Work Group

Nancy Steinberger and Robert Mason reported on the HFWAG activities as Will Thomas was unable to attend the meeting.

- Tim Cohn, USGS, has finalized the Expected Moments Algorithm (EMA) computer code that includes a Generalized Grubbs-Beck test for detecting multiple low outliers. The USGS is incorporating the revised EMA code into the production version of their PeakFQ program. The testing of EMA and existing Bulletin 17B procedures utilizing observed and simulated data will be done using a standalone program developed by Tim. Tim's code and the code being incorporated into the USGS PeakFQ program are exactly the same.
- The current plans are to complete the EMA-Bulletin 17B testing and summarize these results by late February. If this is accomplished, then a meeting of the Hydrologic Frequency Analysis Work Group would be held in late March.

c) Hydrologic and Hydraulic GIS Applications Work Group

Bill Merkel was unable to attend the meeting. No update was provided.

d) Extreme Storms Work Group

Tom Nicholson was unable to attend the meeting. He did ask John England to report on the Work Group but John was unable to do so following a family emergency. Gene Stallings did report that the Work Group is developing a proposal to present to ACWI. The real issue seems to be in regards to funding versus needs. The NWS budget is based on long term technologies and techniques, but other Federal agencies have very short term needs for updated data. Tom Nicholson will report out further on this at the April SOH meeting.

e) Satellite Telemetry Interagency Workgroup

The current chair of the STIWG is Richard Engstrom of the Corps of Engineers. Daniel Schwitalla of USGS currently serves as Vice-Chair and local DC area contact for STIWG. Both were invited to attend this meeting, but neither was able to attend.

12. Current Events within Hydrologic Communities

- NRC RIC – will be mentioned in newsletter also, meeting for most of week in March
- ESRI – Federal GIS conference is ongoing this week
- **National Hydrologic Warning Council:**
  I was nominated by the National Hydrologic Warning Council (NHWC) to represent them on the newly formed Environmental Information Services Work Group (EISWG) and in May 2009 I was notified of my selection by the Science Advisory Board (SAB) of the National Oceanic and Atmospheric Administration (NOAA). The EISWG, in its role as a sanction working group of the NOAA SAB, will advise the SAB on the condition and capabilities of improving communications among the various public, private, and academic entities engaged in environmental information matters and will submit formal reports to the SAB that identify current issues, deficiencies, recommendations for remedial action, and proposed initiatives.

  The EISWG is charged to: 1) provide advice on improving communication among the sectors, 2) provide advice on incorporating scientific and technical capabilities to enhance NOAA products and services, 3) provide a sounding board regarding implementation of NOAA's Policy on Partnerships in the Provision of Environmental Information, 4) evaluate NOAA effectiveness in responding to advice received from the EISWG, and the environmental information enterprise as a whole, and 5) evaluate after two years whether this working group is an effective mechanism for working with external partners or whether other mechanisms should be considered.

  The EISWG is composed of 15-18 members, who by reason of knowledge, experience or training, are especially qualified to represent users of NOAA environmental information services, including, but not limited to, the commercial weather industry , academia, and the media. Membership also includes federal, state and regional governmental agencies and non-governmental agencies. The initial EISWG members are appointed for three year terms with the opportunity for one additional term.

  The two biggest projects reviewed by the EISWG to date are the NOAA Strategic Plan and the National Weather Service Strategic Plan. The EISWG endorsed both Strategic Plans and provided comments for consideration by the SAB.

  Gene Stallings, PE
  NHWC Washington Area Consultant

- David Wells – NOAA – NWS strategic plan
- Robert Boyd – Task Force for WaterSMART. The implementation plan should be out soon.
- Richard Raione – Raised a question raised about inquiries regarding Australian floods. Some input to Bureau of Meterology, before the Holidays there were some interactions

with EPA, floodwall technologies – opportunity to learn from this flooding event, NASA has almost real time flood tracking data, Dartmouth flood observatory

- Robert Mason reported on ARkStorm. The following is a summary he submitted via e-mail regarding ARkStorm:
  - In 2008 a number of Federal, State and local agencies, including the USGS, held the "Great Southern California Shakeout" to simulate the effects of a magnitude 7.8 earthquake on California and to test emergency response plans and capabilities. Millions of Californians participated in the exercise through home, school, and community drills and other informative events. As a result, those residents and their leaders have a much better understanding of the level of damages that may be possible and what they can do to lessen vulnerability.
  - Now, a similar exercise, "ARkStorm", has been developed for California floods. ARkStorm will provide a learning experience to help Californians understand the magnitude of past and possible future flooding in the state and the inherent vulnerabilities of California communities to floods and flood related hazards such as debris flows. The ARkStorm will feature several events that will occur throughout 2011.
  - As the basis for ARkStorm, scientists unveiled a hypothetical California scenario that describes a storm that could produce up to 10 feet of rain, cause extensive flooding (in many cases overwhelming the state's flood-protection system) and result in more than $300 billion in damage.
  - The ARkStorm is essentially two historic storms (January 1969 and February 1986) put back to back in a scientifically plausible way. "We think this event happens once every 100 or 200 years or so, which puts it in the same category as our big San Andreas earthquakes," says Lucy Jones, chief scientist of the USGS Multi-Hazards Demonstration Project and architect of ARkStorm. "The ARkStorm scenario is a complete picture of what that storm would do to the social and economic systems of California."
  - To define impacts of the ARkStorm, the USGS, in partnership with the California Geological Survey, created the first statewide landslide susceptibility maps for California that are the most detailed landslide susceptibility maps ever created. The project also resulted in the first physics-based coastal storm modeling system for analyzing severe storm impacts (predicting wave height and coastal erosion) under present-day scenarios and under various climate-change and sea-level-rise scenarios.
  - The ARkStorm Scenario combines prehistoric geologic flood history in California with modern flood mapping and climate-change projections to produce a hypothetical, but plausible, scenario aimed at preparing the emergency response community for this type of hazard.
  - The ARkStorm Scenario is the second scenario from the USGS Multi-Hazards Demonstration Project led by Jones, which earlier created the ShakeOut earthquake scenario. The ARkStorm Scenario is described in USGS Open-File Report 2010-1312 at URL: http://pubs.usgs.gov/of/2010/1312/ .

13. **Announcements and Q&A on Business Reports from Member Organizations**

a) Business Reports:

Federal Energy Regulatory Commission. Sam Lin provided the following FERC report:

- On January 19, 2011, FERC staff attended a meeting in Wausau, WI, to participate in an after action review of the Wisconsin River flood of September 2010, and the lessons learned from the incident. The lessons learned will be used to improve communication between the affected licensees and the emergency management agencies, improve forecasting methods, and provide public education regarding flood hazards and dam operations during floods. Several licensees that own and operate dams on the Wisconsin River and its tributaries participated in the meeting.
- On November 10, 2010 FERC attended a meeting with Santa Clara Valley Water District for their annual EAP face-to-face meeting with Emergency Response Agencies regarding Leroy Anderson Dam. This meeting included a Sudden Failure Assessment Workshop to address FERC's Time Sensitive EAP requirements.
- On December 13, 2010 FERC participated in a teleconference with United Water Conservation District (UWCD) and the CA Department of Water Resources (DWR), licensee's for Santa Felicia Dam and Pyramid Dam, respectively. The meeting focused on the "Piru Creek Site-Specific PMF Study" for determination of spillway adequacy at Santa Felicia Dam and Pyramid Dam. This Site-Specific PMF Study is a joint effort by UWCD and DWR, and a Board of Consultant was retained to oversee the study. The meeting reviewed the current status of the study, methodology used, preliminary results, and plans and schedule to complete the study.

National Weather Service. Victor e-mailed the following business report for NWS:

- **NOAA NWS Hydrometeorological Design Studies Center Precipitation Frequency Estimates**

  HDSC is currently updating estimates for California, Alaska, the following southeastern states: Alabama, Arkansas, Georgia, Florida, Louisiana and Mississippi, and the following midwestern states: Colorado, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, and Wisconsin.

  The California precipitation frequency estimates are expected to be published by February 2011 in NOAA Atlas 14, Volume 6. For latest activities, see the report: http://www.nws.noaa.gov/oh/hdsc/current-projects/pdfs/HDSC_PR_Jan11.pdf

- **NWS Service Assessment of May 2010 Record Floods of Greater Nashville**

  On May 1-2, 2010, record-breaking rains struck Kentucky and the Tennessee Valley region. Western and Middle Tennessee were hardest hit with local amounts of 18 - 20 inches to the south and west of Greater Nashville along the Interstate 40 corridor. Much of western and Middle Tennessee, including Greater Nashville, experienced widespread, devastating flash flooding, and unprecedented river flooding along the Cumberland River and its tributaries.

  There were 26 flood fatalities directly attributed to this event in Kentucky and Tennessee, 11 of which were in Greater Nashville. Preliminary estimates of property damage are in excess of $2 billion in Greater Nashville. Due to the significant effects of the event, the NOAA NWS formed a service assessment team to evaluate NWS performance before and during the catastrophic flooding. The findings and recommendations from this assessment are contained in the following: http://www.weather.gov/os/assessments/pdfs/Tenn_Flooding.pdf.

- **NOAA NWS River Forecast Center Newsletters**

  Significant flooding, which are not part of NWS national service assessments, are sometimes described in our local newsletters produced by the respective Weather Forecast Offices or River Forecast Centers. For example, NWS Service Coordination Hydrologist from California Nevada River Forecast Center provided highlights from the December 2010 flooding in Southern California. The local newsletter also affords NWS an opportunity to describe the weather patterns, which is influencing local weather, such as the discussion on La Nina causing the wet start to the Water Year 2011 across California and Western United States [http://www.cnrfc.noaa.gov/newsletters/cnrfc_news_winter_2010.pdf] and the strong negative phase of the Artic oscillation, characteristics of high pressure firmly in place in the polar region and pulses of artic air pushing well southward into the continental United States [http://www.srh.noaa.gov/media/serfc/hic/SERFC_Journal.pdf].

- **NOAA Cooperative Partnership: Focus on Floods.**

  Through a cooperative partnership with NOAA and NWS, Nurture Nature Foundation, a non-profit in Easton PA, is creating a comprehensive, replicable flood education campaign, entitled ***Focus on Floods*** [http://focusonfloods.org/]. ***Focus on Floods*** is designed to help residents and individuals in the Delaware River Basin and beyond improve their flood readiness. The project will share information with individuals, via radio, television, Internet and other venues, about how to use National Weather Service flood forecasting and warning tools, and other critical flood preparedness information.

  Nuture Nature Foundation have been instrumented in the following projects: ***Floods Happen Lessen the Loss*** and ***What's Your Number*** and the development of other educational/class-room materials (http://focusonfloods.org/educationalclassroom-materials-available). Recently, a ten minute video called ***The Day of the Flood*** [http://www.youtube.com/watch?v=t9UxyL3yp98] was released on YouTube.

b) ***"The SOH CONNECTIONS" Newsletter Editor's Report***

Richard Raione is taking over duties as editor of the Newsletter. Joe Giacinto also of NRC has volunteered to take over Co-editor duties. Please continue to send newsletter articles to Richard. Claudia will forward any she received to Richard and Joe. Deadline for the next edition of the newsletter is the end of January.

14. Review Action Items

Claudia to send final minutes from the October 21, 2010 meeting to Carol Lewis for posting on the SOH web-site.	
Claudia work to draft a standard procedure regarding welcome to meetings and expectations / needs of guests who wish to attend SOH meetings.	
Victor Hom develop a write-up regarding feedback on terminologies.	
All members submit work group reports and member organization reports for January meeting via e-mail.	
RECOMMENDED ITEM: For future meetings, all members submit work group reports and member organization reports PRIOR to the meeting.	

15. Next Meeting

April 21, 2011, 9:00 a.m., Room 5140-S, South Ag Building, 1400 Independence Avenue, SW, Washington, D.C. 20250.