How to prepare for a D13 AV Workshop

Preliminary

   The intent of this process is to qualify members as AV-PQS remotely, but also serves as a good pre-Workshop prep for in-person. It should be known that this program is tougher for members with no navigation experience. If you are Boat Crew qualified, you probably have enough experience to start.

   An in-person version of these materials normally takes ~an 8-hour day (including the Exam, but not Practical's). You should expect to spend a similar amount of time (or more).

   Pre-req's for the AV-PQS qualification are: being BQ, being current in Core Training, completing ICS-100 &-700, the online Intro to Risk Management course, and taking the TCT Refresher (conducted in-person or remotely). Let me know the status of completing any of these courses when contacting me about pursuing the AV-PQS qualification.

Reference Documents to obtain **before** the sessions (bookmarks needed are **blue**)

   Before the first AV Workshop session, download and have available the following. (Note: **print** the AV-PQS):

1- **AV-PQS, last 13 pages of updated AV Program Handbook, 16500.16** [download at https://wow.uscgaux.info/content.php?unit=BX-GROUP&category=guides-and-handbooks]

2-**2013ATON Training Guide** [56pp, download at http://pdept.cgaux.org/Documents/ATON_Training_Guide.pdf] Nav Systems

3-current **Light List (Vol6**) [download at https://www.navcen.uscg.gov]

4-a recent **Local Notice to Mariners** [download at https://www.navcen.uscg.gov for D13]

5-**Chart #1 (2019ed**) [download at https://www.nauticalcharts.noaa.gov], Publications

6-recent **Coast Pilot 10** [download at https://www.nauticalcharts.noaa.gov], Publications

7-a recent local **nautical chart** (**ENC** loaded on a Nav. app**,** or retired **Raster Chart** of AOR)

8-Besides "Bookmarking" the websites listed for items 1-6, also Bookmark the Tides and Current website (https://tidesandcurrents.noaa.gov/water_level_info.html)

AV Workshop Materials: I have set up 2 folders on the D13-Auxiliary-DSO-NS website (https://wow.uscgaux.info/content.php?unit=130). After going to the D13 Aux website, login (Member Zone); look in the left column for D13 Programs and click it. Nav Systems is ~1/2 way down - Click it. The 1st blue banner has Workshop stuff. You should click into the right link - Handouts and download them.

1- The folder "**AV Handout Pkt**" has 32 pages of briefing materials that are normally handed out to Workshop attendees. You don't need to print them, but have them ready for reference during applicable lecture ppt's. The file - AV-Wkshop-HandoutPktTitleTOC - has a listing and titles of the contents (14 handout items, besides the TOC).

2- The folder entitled "AV-ppts" has almost all the basic presentation materials, including:
   a-D13-NS-SOP [3 pp, 9 exam questions; PQS sections 5&7, & front 'Record of Completion']
   b-AN-05 [86ppt, 4 Exam questions, PQS sections 1&2]
   c-AN-06 [83ppt, 7 Exam questions, PQS sections 2.4 & 4]
   d-PN03-05 [15 ppt, 4 Exam questions, PQS sections 1.3.l & 3]
   e-BP05 [62ppt, 4 Exam questions, PQS sections 4.3.m+n & 6]
   f-PATON-PatrolReview [20ppt, 1 Exam question, background for PQS section 5 in D13]
   g-AccessingTides [23ppt; used to be ready to do Tides Problem - satisfies PQS 3.6.a-.c]

   Materials to reference during viewing the presentations include (applicable presentation):
-2013 ATON Training Guide (AN-05, AN-06, PN03-05, PATON Patrol Review, BP-05)
-LL-vol6, LNM, Chart #1 (AN-05)
-Coast Pilot 10 (AN-05, BP-05)
-Handout/HandyNavWebsites (AN-05)

-Handout/ATONIS sheet example (AN-06, PATON Patrol Review)
-Handout/a7054.pdf (AN-06)
-Handout/ATONIS Verification example (AN-06, PATON Patrol Review)
-Handout/7030 example (PATON Patrol Review)
-Handout/PATON Patrol Review sheets (PATON Patrol Review)
-Handout/AV Mission Procedure Guide (PATON Patrol Review)
-Handout/Bridge Insp. Pkt., BP02-2pp, & 2pp-TimW's ATON Syst. (BP-05)
-Handout/Accessing Tides-Water Level Example

Exam, +: After reviewing those presentation materials, you will be ready for the Exam. But to start, I *suggest* first completing the Tides Practical.

   Preps for the Tides/Water Level problem include reviewing those ppt's. Then open a web browser, go to: tidesandcurrents.noaa.gov   Click on "What We Do", "Tides and Water Levels" "Predictions". Select a State, thence the Station closest to your Operating Area. You will see today's Tide Height Graph and Table. Be prepared to discuss the display options and know how to 'print screen' from your computer. This activity will satisfy the Tides sign-off. Note: Members operating on our Rivers and Lakes should follow the steps listed in the 'Accessing Tides' ppt to locate their Water Level information.

   Then when you are ready for the Exam, contact me and I will email you. Complete it and email it back to me. I will score it, and converse with you about your results (score and any missed questions).

   The second part of the Exam are the Practical Questions. Beside the Tides problem (covered above), there are 6 others. When you have passed the first part of the Exam and you are ready, contact me and I will email you the Practical Questions. Complete them, then scan and email them back to me. After I review your them, I will call you to discuss those submissions.

PQS, etc.: Coincidental with completing the tasks above, you can start on your AV-PQS. Print it out (last 13 pages in AV Program Handbook). (I do double-siding and only the pages with materials on them). Any Aid Verifier can sign prospective AV on most of the PQS elements. Exceptions are: elements 3.6a-c, 4.4, all of 5, and 6.5, 6.6. **DO NOT** have your local AV sign those, I will sign those as part of the Practical Questions. And do not encourage a local AV to sign you off on any elements that they are not familiar with. Find another who is familiar, or contact me. In most cases you will want to identify your mentoring AV (your FSO-NS??) before completing the Workshop.

   Members who have navigation experience (/Boat Crew program members) should be able to study and get sign-off's on Sections 1&2 before viewing the AV training materials. The remainder are best pursued after I've presented those materials and you've taken the Exam. Again, use a local AV (who is familiar with the elements), but do not have them sign-off the excluded elements listed in the paragraph above. Note: I (Pam CK) can sign you off on ~85% of the PQS elements using Zoom. That would leave just 15% for a local AV.

   It is useful for have a local AV (esp. an active AV-PQS) act as your AV-PQS mentor. (It is likely to be the member who got you interested in the program.) They will be able to answer questions, encourage you to participate in your Unit's NS missions, etc., and complete your qualification.

   Trainees may use the Unit's assigned PATONs/Bridges for elements 5.1, 5.2, 6.5 (if applicable), 6.6, and 7.3. They should copy me on the completed submissions (Section 5&6 only, not 7). The record of this activity can be noted in their AV-PQS (**NOT** on a 7030)

   When all elements are signed off, as well as the pre-req's (documented in the front-Record of Completion), the completed PQS is scanned and emailed to me for review and approval. Once that is done, I will work with DirAux to issue their AV-PQS qualification.