



HSAC

Helicopter Safety Advisory Conference

Helideck Committee

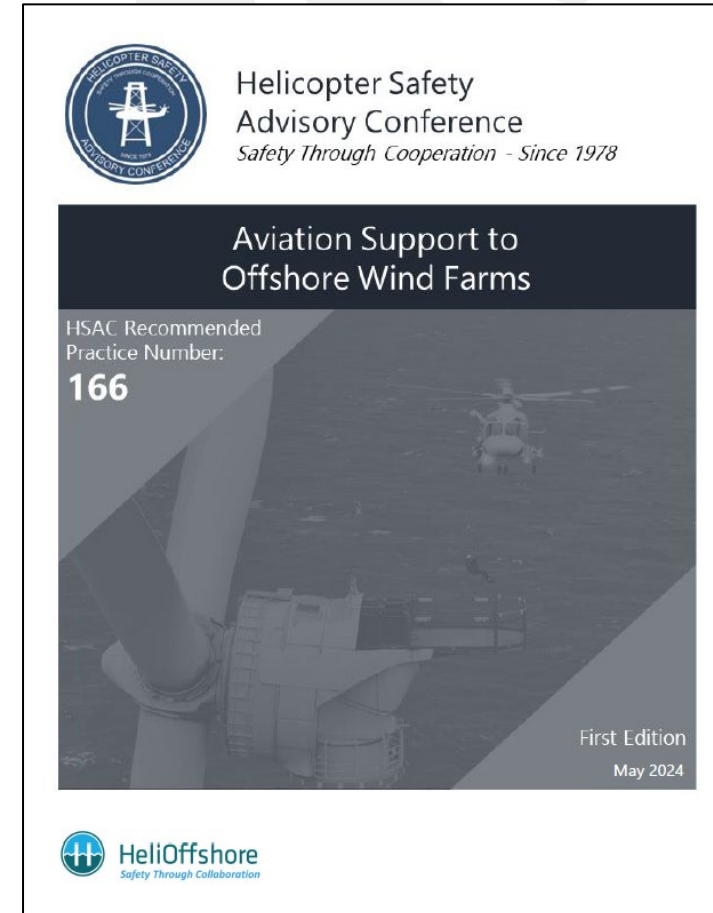
Committee meeting 15-16 January 2025

Houston, TX

HSAC RP-166

AVIATION SUPPORT TO WIND FARMS

- Approval has been given by the board for the Offshore wind group to have own committee within HSAC as moving away from helidecks to operational details.
 - New Co-Chairs; Joe Gross and Lars Munch
 - Thanks to Dan Verda and Hendrik Kaijim
- Current Work is to develop Air Operator Procedures and Develop Rev 2 by Spring 2025
 - Complementary to existing industry documents.
 - Will high-light major details only.
- Follow-on Work
 - Promotion Within the OSW Community
 - Bowtie Development





HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Fuel sub-group update

Assigned to Review HSAC RPs for accuracy and align with latest industry standards (Energy Institute, JIG, etc.).

- Updated HS RP 163 to replace the use of water absorbing, monitor filters with approved filter technology.
 - The use of water barrier filtration (WBF) or Dirt defense filtration in conjunction with electronic water sensor (DDF+EWS).
 - Add inspection items to align with approved filtration technology.
 - Ensure reference accuracy within the RPs.
- Submitted to the HSAC Board for review and submission in January's RP Updates.
- Future work scope is to continue to review the RP 161, 162, & 163 for accuracy, document flow, and obtain additional participation to maximize non-biased decision making.
- Current participating companies: Chevron, Shell, BP, PHI, RLC, Swire and Imenco.



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Fuel sub-group update

JIG Bulletin 155 – Urgent Action for all users of ALL Water Barrier Filtration Issued 13th of December 2024 - <https://www.jig.org/documents/bulletin-155-water-barrier-filters/>

- Product Safety Awareness for Water Barrier Elements manufactured between July 1st and December 31st 2023.
- Where Water Barrier Filter elements cause any color change of the fuel, the elements and the fuel are not acceptable for use and shall be quarantined and excluded from aviation use.
- ALL Water Barrier elements currently held in stock, and any new elements received shall have their manufacturing date checked.
- ALL Water Barrier elements manufactured before January 1st, 2024, shall be quarantined and not installed.
- ALL Water Barrier elements manufactured from January 1st, 2024, shall be subjected to the testing protocol.
- Until further notice, Water Barrier Filters shall not be used in Avgas service.

GUEST SPEAKER – BIRD STRIKE DETERRENT

(Don Ronning with Lite Enterprises)



HSAC

Helicopter Safety Advisory Conference



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Structure sub-group update – Progress Since October Meeting

- Determine the required structural performance of helidecks.
 - Continued review of current and historical specifications
- By allowing the structural steel to have a higher utilization, a smaller section may be used.
 - More deflection = more energy absorption = less force on helicopter and passengers
- Develop the load combination matrix
 - Dependent on agreement of simultaneous loading events
 - Dependent on agreement of use of allowable stress modifiers



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Structure sub-group update – Path Forward for May 2025 meeting

- Finalize load combination matrix
- Reword and reorganize loading requirements in Section 5.
- Finalize case studies of loading on at least two helidecks with varying sizes and capacities to demonstrate real world loading scenarios.
- Present proposed text changes to the group for May 2025 adoption.



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

AFFF sub-group update

Current version of AFFF contribution to RP 163 was sent to the HELIDECK meeting group for final review as part of the Oct 24 meeting minutes.

- No comments received

**Next step will be HSAC HELIDECK COMMITTEE
VOTE**

This will then be presented to the HSAC board for approval



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Training sub-group update

Gaps between the 3 versions of RTC delivered HLO courses (Shell/BP - Oxy - Chevron)

- Course duration - 3 Days -vs- 2 Days
- Aviation Fuel Management and Delivery procedures
- Aircraft Chocking (Pilot, HLO, HDA, None)
- Pilots Entering / Departing Cockpit (Rotors Running)
- PPE Dress and Radio Requirements (for Helideck Teams)
- Radio Calls (Green Deck Call)
- Preparing Passengers for Travel
 - Safety Videos
 - Passenger and Baggage (weigh in procedures)
 - Passenger Procedures (exchanging PPE)
 - Cargo and Baggage (management on the helideck)
- The highlighted areas of RP-163 were all the areas that it is proposed are updated to reflect the change from 2 years to 4 years recurrency in conjunction with the addition of the OPITO approved version of the HLO and HDA course.

Course expiry

Shell / BP

Currently 2 years

Proposed 4 years

Oxy - 3 years

Chevron – 3 years





HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Current version of Training contribution to RP 163 to be sent to the HELIDECK meeting group for final review as part of the Jan 25 meeting minutes.

**Next step will be HSAC HELIDECK COMMITTEE
VOTE**

This will then be presented to the HSAC board for approval



HSAC

Helicopter Safety Advisory Conference

Safety Through Cooperation
Since 1978

Review of Heli offshore Tier 1 Helideck accident prevention goals

- Group discussion on a proposal to review RP 160 series to ensure that the Heli offshore accident prevention goals for 'Helicopter / Helideck/ Hoist Area Incident' are covered sufficiently.
- Could be done in conjunction with finalizing Bowtie.
 - HSAC RP Nbr 191 - Offshore Helicopter Incident Bowtie - 1st Edition - Amendment 3

DISCUSSION FUTURE WORK

- ✦ Finish AFFF contribution to HSAC RP 163 revision (Jan 25)
- ✦ Continue HSAC RP 191 'TBD' replacement in Bowtie by reference material during bi-weekly meetings
- ✦ Review & align HeliOffshore Tier 1 Helideck accident prevention goals
- ✦ Continue Offshore Wind Sub-Committee and associated review of RP 166
- ✦ Finish Fuels sections contribution to RP 161, 162 & 163 standards.
- ✦ HeliOffshore MMHEL incorporation into HSAC RP 163
- ✦ OPITO Helicopter Admin Training and CAP 437 Heli Admin Requirements Review for implications to HSAC RP 160 series.
- ✦ Finish Training contribution to HSAC RP 163 revision (Jan 25)
- ✦ Continue Structures Workgroup.

