

Helicopter Operations Safety Committee (HOSC)

Minutes of Meeting – Wednesday, January 6th, 2016

Location:

CHC , Hangar 1

Committee Attendees:

Ed Antle (Husky Energy – Operator Rep –Chair)
Corey Goyman (HMDC – Operator Rep Co-Chair)
Justin Meaney (SeaRose FPSO – Workforce Rep)
Dave Beazley (Hibernia – Workforce Rep)
Craig Williams (Terra Nova FPSO – Workforce Rep) – *via teleconference*
Peter McKeage (C-NLOPB) – *via teleconference*
Ryan Brown (CNLOPB)
Roberta Spicer (C-NSOPB) – *via teleconference*
Steve Moore (Cougar Helicopters Rep)
Lesley Pardy (CHC Helicopters Canada Rep)
Sean Tucker (CHC Helicopters Canada Rep)
Paul Carter (CHI Helicopters Rep)
Alistair Mellis (Statoil – Operator Rep)
Mike Whittle (Suncor – Operator Rep)

Guests:

Ryan Saint - Cantatec
Mike Randell - Cantatec

Decisions and Actions are in bold type

1. **Safety Moment**

Lesley Presented safety moment on step back 5 by 5.

2. **HOSC Member Update**

Ray Dalton has resigned from HOSC.
Ed Antle is now Chair
Corey Goyman now Co-Chair
Suncor to provide an administrator

3. **Cougar Helicopters Update**

There were 10 Customer Flight Notifications since the last meeting. Steve reviewed each CFN with the committee. Peter asked for the benefit of the group, for an explanation of what the MEL permits for engine inlet. Paul Carter provided the information and clarified that it is not temperature related.

4. CHC Helicopters Canada Update

There was 3 Customer Flight Notifications since the last meeting. Lesley reviewed the CFN's with the committee.

Peter asked for CHC to talk to the recent SAR coverage interruption

CHC Requested information from PAL regarding notice of event

Aircraft was 15-20 minutes from the installation IB when CHC was made aware.

Peter questioned the policy of having the aircraft continue to fly IB after departure from the installation in the event of loss of SAR coverage. Questioned if a tolerated risk in the absence of SAR coverage exists.

When asked if aware of the existing SAR interruption Protocol, Peter clarified that the CNLOPB are aware of the protocol.

Peter asked if a follow up in relation to timeliness of communication in relation to interruptions can be improved upon.

5. Recommendations 13/14 Review

The review of [Recommendations 13/14](#) was not completed. Ray and Ed to meet before the next meeting to get the recommendation review back on track

6. C-NLOPB Aviation Advisor Update

Peter will be attending meetings in Gatwick on November 24; further information on RMT Working Groups will be available after this date as no meetings occurred since the last HOSC.

7. Action Log

- i. Evacuation into Liferaft from S-92: Ed Antle follow up in Rays absence.
- ii. PLB Research: Corey has organised a presentation for today's meeting.
- iii. S92 side flotation project -Nothing new to add
- iv. Evac to life raft from s92-Ed to discuss with MI

8. HOSC Charter

The HOSC Charter was reviewed at the last meeting and attendees agreed that no significant changes are required.

9. New Business

- a. Cellphones will be permitted offshore commencing 1-Feb-2016
 - Controls will be in place for onboard safety
 - Option to leave cell phone at the heliport will be removed with exception of hold for pickup
 - Return of cell phones while on weather hold will be discontinued.

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- b. Revised helicopter brace position to be incorporated into helicopter pre-flight video. Training institutions will incorporate in their courses with timing to align with introduction of the revised pre-flight video. Estimate 1-Feb-2016.
- c. HMDC/ExxonMobil and Husky to commence use of the Survitec HPTSS-1 on Monday 11-Jan-2016. Ed to request that Survitec brief HOSC on suit following the re-introduction.
- d. PLB research project briefing - Cantatec
Improve location accuracy
Improves ability to receive alarms in a timely fashion
Better situational awareness for responders (SAR)
Features
- Iridium (primary)
 - Radio 121.5 (secondary - chosen in consultation with JRCC)
 - With GPS location with each transmission
 - Accuracy within 3.7 meters
- Ability to conserve battery power by remotely adjusting report rate (can be done on heli)
- Manipulation of beacons will be confined to a set user group (Responders)
 - Batteries good for -20
 - Paul asked if time tested in cold temps
 - › Cantatec to receive test unit soon and will conduct trials
- No increase compared to size of current PLB
Will be
- Salt water activated (primary) assists with prevention of false activation
 - Manual button (secondary)
- Go bag unit
- Supplies own wifi
 - Portable antenna
 - SAR Would use iPad or tablet to access GUI
- JRCC involvement (Paul Carter asked)
DND has advised that any system that provides improved situational awareness is a good thing
- e. Rotors Running Refuelling (3R)
- RQF to be submitted by 28-Jan-2016
 - Requirements currently being managed on per flight basis
 - Concerns were raised in regards to the timing and urgency of the non-compliance as issued by the CNLOPB
 - Concerns were raised that HOSC was not engaged prior
 - Ryan advised that it was due to the determination that it is a compliance issue

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- CNSOPB view on 3R was requested. Roberta advised that she has received the non-compliance information from the CNLOPB however has not yet had an opportunity to review.
- It was communicated by all worker reps that the offshore population has expressed concerns.
- Discussed advising JRCC of the change. 103 Squadron routinely conduct Rotors Running Refuelling on offshore installations

f. Code of Practice

- Ryan advised that the CNLOPB CSO , with the change in the ACT, can create a code or practise or have an operator do so.
- Will follow up on this at next meeting

10. Next Meeting

The next meeting will take place on Wednesday, February 17th, 2016 at HMDC office 9:00 am.

Helicopter Operations Safety Committee Action Log

6-Jan-16

RAISED	TYPE	ITEM DESCRIPTION	STATUS	STEWARD	UPDATE
14-Oct-11	Action	Updates on dive mask study	Open	HOSC	<p>03 Apr 13: Phase II in progress. OSSC (Greg and Kerri-Ann) presented an update at Apr 23 Safety Forum. HOSC to follow up with OSSC upon completion of the study.</p> <p>28 May 14: Dennis discussed with Fred at OSSC; request was sent to PRNL on June 28, 2013. Phase 1 complete - currently with PRNL.</p> <p>9 July 14: This is one of the projects PRNL will be reviewing.</p> <p>1 Oct 14: No updates at this time.</p> <p>14 Nov 14: No updates at this time.</p> <p>4 Feb 15: Suggestion to have MI reps at an upcoming meeting for updates.</p> <p>18 Mar 15: Was discussed at the March meeting. Currently waiting for industry approval for Phase II of the project.</p> <p>29 Apr 15: Corey has a meeting next week regarding the dive mask study. He will send a note to Ray to forward to the committee once completed.</p> <p>2 Sept 15: No updates.</p> <p>14 Oct 15: Corey is planning to have a meeting with the R&D Manager and will have an update at the next meeting.</p> <p>25 Nov 15: Action register was not reviewed. Will have Corey provide an update at next meeting.</p> <p>06 Jan 15: No update. Corey to provide at Feb meeting.</p>
13-Jun-12	Study	Updates on Encana's undergarment study	Open	HOSC	<p>03 Apr 13: Clinton Cariou updated the Committee on the status of the study. He indicated that trials about to take place.</p> <p>16 Apr 14: R. Normore to contact Encana to obtain an update on the status of the study.</p> <p>28 May 14: No updates at this time. The study is complete; still waiting on the report. Dennis will send a note to Clinton.</p> <p>9 July 14: No updates.</p> <p>1 October 14: No updates at this time. Matt will talk to Robert for an update. May invite Encana representative to a HOSC meeting for further information on study.</p> <p>12 Nov 14: Jeff Hurley attended the HOSC meeting via teleconference. The study will be finished in December; the final report will be issued to Encana, then through CAPP. Jeff will forward the draft report to Andrea to forward to HOSC members.</p> <p>4 Feb 15: No updates.</p> <p>18 Mar 15: No updates.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates - Andrea will contact Jeff for an update on the report.</p> <p>14 Oct 15: Andrea contacted Jeff for an update but no response. She will contact Jeff again prior to the next meeting.</p> <p>25 Nov 15: CAPP has provided the Encana study and it has been sent to all members and they are encouraged to review and provide any questions or comments for the next meeting.</p> <p>06 Jan 16: No comments were raised. Recommend removing from action log.</p>

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6-Jan-16

RAISED	TYPE	ITEM DESCRIPTION	STATUS	STEWARD	UPDATE
28-Nov-12	Issue	Resumption of Night Flights	Open	P. McKeage	<p>05 Mar 14: The first C-NLOPB Operational Safety Review is scheduled to take place during the week of March 10-14. The OSR will include a review of the implementation of requirements for the resumption of night flights. Meetings have been scheduled with operators and Cougar during this period and findings will be shared with HOSC at a later date.</p> <p>28 May 14: No update - work is ongoing.</p> <p>9 July 14: Night flight criteria review has been completed in collaboration with the OSR. Overall, moving forward.</p> <p>1 October 14: No update at this time. The OSR report is currently with operators for review.</p> <p>12 Nov 14: The OSR report is still with operators for review.</p> <p>4 Feb 15: No updates.</p> <p>18 Mar 15: No updates.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates.</p> <p>14 Oct 15: No updates.</p> <p>25 Nov 15: No updates.</p> <p>06 Jan 16: No updates.</p>
14-May-13	Action	Evaluation of OHSI implementation	Open	R. Dalton	<p>14 May 13: Operators support the "proposal of assessing the suitability and effectiveness of the implementation of OHSI recommendations."</p> <p>05 Mar 14: It was decided that OHSI recommendations would be reviewed. Time required to complete review will be better understood after the first review session.</p> <p>28 May 14: Ongoing.</p> <p>9 July 14: The HOSC started the review at the July 9 meeting.</p> <p>1 Oct 14: Recommendation 10 and 16 were reviewed on July 9. Recommendation 20 was briefly reviewed at the October 1 meeting; review will be finalized during next meeting in November.</p> <p>12 Nov 14: Recommendation 20 review was completed at the meeting; Recommendations 25 and 26 will be reviewed next.</p> <p>4 Feb 15: The review of Recommendations 25 and 26 will be finalized at the next meeting. A spreadsheet should be created to track the review of Recommendations. Andrea will create and will provide an update at the next meeting.</p> <p>18 Mar 15: Reviews ongoing. Recommendations 25 and 26 are now complete; 27 (Research and Development) will be the next Recommendation reviewed (which will begin at the meeting in April).</p> <p>29 Apr 15: Recommendation 27 was reviewed by the committee. The next Recommendation is TBD.</p> <p>2 Sept 15/14 Oct 15/25 Nov 15: Recommendation 13-14 review ongoing; will be completed at the next meeting.</p> <p>06 Jan 16: Ed to discuss history with Ray and recommend next steps at Feb meeting.</p>
3-Apr-13	Study	S-92A Side Flotation Project	Open	HOSC	<p>16 Apr 14: C-NLOPB were engaged during the concept phase, Exxon now funding further work. (Dennis to update in March meeting).</p> <p>28 May 14: No updates at this time.</p> <p>1 Oct 14: No updates at this time.</p> <p>12 Nov 14: No updates at this time.</p> <p>4 Feb 15: This is currently on hold. Oceanic trying to get numerical model from Sikorsky (who are pursuing internally).</p> <p>18 Mar 15: No updates. Will ask Pete to provide an update at the next meeting.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates.</p> <p>14 Oct 15: No updates</p> <p>25 Nov 15: No updates locally but Peter provided an update on what is occurring globally. Recommend removing from action list.</p> <p>06 Jan 16: No updates; determine whether or not this can be removed from action log at Feb meeting.</p>

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RAISED	TYPE	ITEM DESCRIPTION	STATUS	STEWARD	UPDATE
22-Jan-13	Issue	Evacuation into LifeRaft from S-92	Open	HOSC	<p>16 Apr 14: Marine Institute to consult with Survival Systems to determine if passengers can directly board liferaft from helicopter when flotation is deployed. HOSC will continue to follow with MI on developments for this issue.</p> <p>9 July 14: Dennis to check with MI to see if a note can be incorporated into the HUET training to let students know that they may have to exit the helicopter in water.</p> <p>1 Oct 14: Dennis spoke with Fred at MI; Fred stated he will discuss with instructors but no response received yet. Dennis will follow up with Fred before the next meeting.</p> <p>12 Nov 14: MI cannot commit to anything at this time - will be reviewed in 6-12 months.</p> <p>4 Feb 15: Robert Brown and Greg Harvey from MI will be attending the next HOSC meeting to discuss.</p> <p>18 Mar 15: Robert and Greg from MI attended the March meeting. All attendees agreed that this requires further analysis. A proposal will be prepared by Robert and Greg and will forward to HOSC for review.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates - Andrea will check with Robert and Greg.</p> <p>14 Oct 15: Andrea received a response from Robert and Greg. Working is ongoing on proposal. Update at the next meeting.</p> <p>25 Nov 15: Will arrange to have MI provide an update in new year.</p> <p>06 Jan 15: Ed will contact MI to provide update.</p>
22-Jan-13	Issue	LifeRaft Deployment from S-92	Open	HOSC	<p>16 Apr 14: HOSC is working with MI to confirm that the liferaft can be deployed manually during an inverted helicopter situation as the release handle is under water.</p> <p>9 July 14: Dennis to follow up with MI to determine if this can be simulated using the HUET.</p> <p>1 Oct 14: Dennis spoke to Fred at MI and his recommendation is that this should be considered for an R&D project.</p> <p>12 Nov 14: Fred indicated that there are too many variables. Marine Institute can put forward this initiative as an R&D project but it cannot be incorporated into the training at this time.</p> <p>5 Feb 15: Ray will discuss with R&D representatives and will provide an update at next meeting.</p> <p>18 Mar 15: Ray to provide update at next meeting.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates.</p> <p>14 Oct 15: No updates.</p> <p>25 Nov 15: No updates.</p> <p>06 Jan 16: Ed to contact MI to provide an update.</p>

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RAISED	TYPE	ITEM DESCRIPTION	STATUS	STEWARD	UPDATE
22-Jan-13	Issue	Use of EBS in HUET Training	Open	R. Brown	<p>16 Apr 14: Research required to determine if risk to personnel is acceptable to allow more realistic training with the EBS in the actual HUET.</p> <p>9 July 14: Discussion required to determine what role HOSC will play because it may require a change to the worker's medical. (see comment).</p> <p>1 Oct 14: A taskforce has been implemented through TQC. Hoping to have it completed by the end of the year.</p> <p>12 Nov 14: A meeting is scheduled to take place next week. Work is progressing. Update will be provided at next meeting.</p> <p>4 Feb 15: Ray will ask TQC for an update before the next meeting.</p> <p>18 Mar 15: Gone through risk assessment; engaged through TQC. First draft is currently out for review. Comments due back on March 18. Progress ongoing.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: Ryan noted that a 3rd party conducted risk assessments but is not sure if the results are available. Ryan to provide an update at the next meeting.</p> <p>14 Oct 15: No updates.</p> <p>25 Nov 15: No updates.</p> <p>06 Jan 15: No updates.</p>
22-Jan-13	Issue	Jettisoning S92 Window Exit when Submerged	Info	HOSC	<p>16 Apr 14: Study currently ongoing led by Dr. Mike Taber with Falck Safety Services to evaluate passengers ability to jettison the window while submerged.</p> <p>9 July 14: Proposal currently with PRNL.</p> <p>1 Oct 14: No update.</p> <p>12 Nov 14: Work is ongoing. This was discussed at the recent IASST Safety Conference in Halifax.</p> <p>4 Feb 15: Project start date of November 2014 with PRNL, RDC and Falck.</p> <p>18 Mar 15: No updates.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: No updates. Andrea will check if Falck representatives would be interested in hosting a future meeting in their new facility in Mount Pearl. Updates could be provided at that point.</p> <p>14 Oct 15: Falck Safety Services is available to host the next HOSC meeting on November 25. Further information to follow.</p> <p>25 Nov 15: Will discuss with Mike Taber to confirm his availability at updating the committee in the new year.</p> <p>06 Jan 16: Ed to contact Dr. Taber about update.</p>

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RAISED	TYPE	ITEM DESCRIPTION	STATUS	STEWARD	UPDATE
14-Oct-11	Study	PLB Research (ExxonMobil)	Info	C. Goyman	<p>11 Dec 13: Report is completed and options are being considered. New PLBs will be tested in conjunction with new suits. Note: Action will be closed upon final selection of PLB.</p> <p>9 July 14: Work ongoing.</p> <p>1 Oct 14: Contract with Canatec to come up with the newest PLB based on non-traditional SAR program. Currently have some good ideas and work is ongoing.</p> <p>12 Nov 14: A meeting occurred with JRCC to discuss options. Results are not known at this time. Work is ongoing.</p> <p>4 Feb 15: Work ongoing.</p> <p>18 Mar 15: No updates. Corey to provide update at next meeting.</p> <p>29 Apr 15: No updates.</p> <p>2 Sept 15: A few meetings have occurred with Canatec. Engaging Survitec to loan a few suits for field tests. HDMC will provide services required. A demonstration will be given internally in the next few weeks to HMDC. Core will provide further information at the next meeting, if available.</p> <p>14 Oct 15: An update will be provided at the next meeting. Exxon representatives will be attending the demonstration prior to the next HOSC.</p> <p>25 Nov 15: Corey will arrange to have Canatec provide an update at next meeting.</p> <p>06 Jan 15: Canatec provided update. Study is ongoing.</p>

Date Raised	Training/Exercises	Comments/Updates
22-Jan-14	Request Cougar/CHC to consider inviting the HOSC to planned Flight Safety Officer training sessions	No training currently planned
12-Nov-14	Request Cougar/CHC to consider inviting the HOSC to DND exercises	No dates currently booked

OHSI Recommendations Review

Recommendation	Title	Review Completed	Recommendation Satisfactory	Date of Review	Comments
2	Performance-Based Goals for First Response	No			
3	First Response Dispatch	No			
4	DND/Cougar Protocol	No			
5	Worker Familiarization	No			
6	Personal Accountability	No			
7	Communication of Incident Reports, etc.	No			
8	Pilot Briefings	No			
9	Operational Requirements	No			
10 & 16	On-Board Safety and Equipment & Additional Protective Personal Equipment	Yes	Yes	July 9, 2014	
11	Helicopter Fleet Size	No			
12	Night Flight	No			
13 & 14	Safety Training Goals & Worker Fitness	No			
15	Pilot Helmets	No			
17 & 18	Risk Management Assessment and Ongoing Verification of Risk Management	No			
19	Safety Culture	No			
20	Worker/Pilot Involvement	Yes	Yes	November 12, 2014	
21	C-NLOPB/CAPP Relationship	No			
22, 23 & 24	Aviation Expertise, Oversight and Safety Audits	No			
25	Safety Forums	Yes	Yes	March 18, 2015	
26	Safety Conferences	Yes	Yes	March 18, 2015	
27	Research and Development	Yes	Yes	April 29, 2015	
28	Formal Document Review	No			
29	Independent Safety Regulator	No			