Bilag H. Skema til kommentering af udkast hos rekvirent/ekstern part

Titel på produkt	2. (final) draft report USBL vs PAM		
Ansvarlig for produktet (projektleder hos NIRAS)	Line A. Kyhn		
Ekstern institution	**Energinet**		
Kontaktperson	**Majken Them Tøttrup**		
Deadline for fremsendelse af kommentarer	21/03-2025	**Dato for afslutning af håndtering af kommentarer**	***27/03-2025***

Sidetal	Evt. linjenr.	Kommentar	Ansvarlig for kommentar*	Begrundet håndtering af kommentar	Ansvarlig for håndtering
3	5-8	Preface and Executive summary: Please consider changing 'jointly initiated' to 'jointly undertaken'. Please consider deleting the sentence 'This study was independently...' as it is unclear what the purpose is.	EN	OK to first part. *'independently'* needs to be there, as a number of the authors are University employed. It is to confirm that the research provided has been conducted independently of the client (EN).	LIAK
3		Executive summary p 3, 1st section – consider moving the last three lines, from '*Geophysical surveys utilize…'* up in the section after *'…the North Sea I survey area.'*	EN	OK	LIAK
3		Executive summary p 3, 2nd section – consider changing to: *'to find the most optimal method to correct for the impact on USBL on baseline data'*	EN	OK, changed to: "*to find the most optimal method to possible correct for the impact on USBL on baseline data*". A '*possibly'* is inserted because it is past tense.	LIAK
3		Executive summary p 4, 3rd section – consider changing to: *'It was found that some of these unknown vessels are likely trawlers, which…'*	EN	OK: Sentence rephrased in line with comment.	LIAK
3		Executive summary p 3, 5th section – consider changing to: *'The following hypothesis were tested:'*	EN	OK	LIAK
3		Executive summary p 3, hypothesis B (to align with wording in hypothesis A) – consider changing to: *'…harbour porpoise encounter correlates positively with the received level of USBL…''*	EN	OK	LIAK

4		Executive summary p 4, 1st section – consider changing to: *'Results show, that PPM and CPM decreased with…'*	EN	OK	LIAK
4		Executive summary p 4, 1st section, 3rd line: *'encounter on average increased with 196 minutes…'* – did it change **with** 196 minutes or **to** 196 minutes?	EN	Sentence changed to: *encounter on average increased to 196 minutes…'*	FvB
4		Executive summary p 4, 2nd section – consider changing to: *'In regard to the main objective of this study…are affected by the presence of…'* *'To address this issue, different methods of exclusion of the affected data were tested…'*	EN	Sentence changed to: "*To address this issue, different methods for excluding affected baseline data were tested."*	LIAK
4		Executive summary p 4 – when describing the different methods you test, please be consistent using the same term throughout the summary/report. Scenarios/approaches/methods are all in use in the summary	EN	Corrected to '*approach*' throughout.	LIAK
4		Executive summary p 4, 4th section – consider changing to: *'First, a "basic" approach/ scenario /method (see comment above), was tested, where all days…'* *'The 3.5 km distance was chosen as an assumed impact range based on a previous…'* *'Next, we tested an approach where, in addition to…'* *'…impact ranges of up to 5.5 km, the two approaches were also tested, using an increased…'*	EN	Changed	LIAK
4		Executive summary p 4, 5th section – consider changing to: *'Finally, waiting time was tested…'* *'…the advanced approach proved to exclude the lowest amount of data …'*	EN	Changed	LIAK

4		Executive summary p 4, last section – consider changing to: *'…the advanced approach was found to be the best method for correcting for the baseline data, which was impacted by the USBL used by the geophysical…'* *'By removing impacted data, the result is a dataset, that presumably provides a more realistic picture of the baseline soundscape experienced by the harbour porpoises in the North Sea 1 area.'*	EN	Ok to the first change. The second suggestion for change is not entirely correct, as the corrected data does not reflect a sound scape experienced by HPs. Sentence not changed.	LIAK
4		Executive summary p 4, last section – please explain in more detail why these findings cannot be used on other projects	EN	The following sentence is included: "It is difficult to generalize the validity of the advanced approach from this study to other cases, since this is the very first study trying to quantify the effect of USBL deterrence on harbour porpoise presence. It is therefore not possible to predict whether the increase in waiting time found here, will be similar in other areas".	LIAK
7		Introduction p 7, 1st section: Please insert reference to fig 2.1 when describing the pre-investigation area	EN	Included	LIAK
7		Introduction p 7, 4th section, line 1-2: please change '…passive acoustic baseline survey…' to 'baseline **data**…'	EN	OK	LIAK
7		Introduction p 8, 4th section – consider changing to: *'harbour porpoise presence was affected by the simultaneous…'*	EN	OK	LIAK
8		Objectives p 8, point 1) – consider changing to: *'PAM stations potentially detect/measure…'*	EN	OK	LIAK

11		Methodology p 11 p 11, first line – consider changing to: *'…the USBL signals from survey ships…'*	EN	OK	LIAK
11		Methodology p 11 p 11 - *'…Table 2.2. The table also excludes surveys vessels not linked to the NSI project…'* – Should that just be vessels – or are there any other survey vessels?	EN	It should be other survey vessels as stated, as the ones from the THOR surveys were not considered in the baseline correction.	MAM
12		Section 3.2 p 12 - *'…noise levels received captured on the recordings.'.* Please delete either received or captured	EN	"Captured" has been deleted	LIAK
12		Section 3.2 p 12. Please insert reference to the database	EN	This may be a misunderstanding, as the database is a file that was created during analyses.	LIAK
17		Figure 3.2. p 17. It is really difficult to see the blue dots in the figure – could yellow be an alternative?	EN	The dots have been moved higher on the y-axis so they are better visible. We kept blue as yellow is harder to see on figures.	FvB
19		Section 3.4.4 - Consider changing the wording to present time (point 1-5)	EN	We prefer past tense as this already happened.	LIAK
26		Table 4.4. p 26. Why is S8 in bold – is S7 not more important in regard to the present report?	EN	This was due to a formatting error, and has been corrected.	LIAK
28		Vessel pass 1, last bullet – consider changing the word *'supported'* with *'confirmed'*	EN	ok	LIAK
36		Figure 4.8. p 36 (and all similar figures) – consider indicating which stations are impact stations and which are not, possibly put the impact stations in the same row (top/bottom)	EN	Done. Also, we have re-ordered station numbers by control (always first) or impact (always second) in all relevant figures.	FvB
48		Discussion p 48, 3rd section bottom. Not sure we understand the sentence/the meaning of the sentence *'It is not clear what exact frequencies…'*	EN	Sentence deleted. It was a leftover that should have been removed.	LIAK

53		The text says ‘Based on a simple assumption that a 3.5 km impact range...’ Please consider changing to ‘Based on the assumption that..’....Do not add value-ladden words like ‘simple’....the 3.5 km is based on a specific study and the best knowledge at that time, it is not necessarily ‘simple’.	EN	ok	LIAK