ANNEX NO. 1. THE PLAN FOR THE PLACEMENT OF SIGNAL BUOYS

1. Description of planned activities

In order to carry out surveys at the planned wind farm, 4 signal buoys will need to be positioned at sea.
The signal buoys will be constructed and anchored according to the attached diagram (Figure 2).
The coordinates of the buoy locations are shown in Table 1 and on Figure 1.

The signal buoys will be used to mark points along the lines of migratory bird observation (so-called transect lines). Ornithologists conducting ornithological observations will record bird flights that cross the line between the vessel anchorage and the line marked by the signal buoys. The signal buoys will also be used to precisely measure the distance from the vessel of the passing birds.
Signal buoys will be fitted with a radar reflector (aluminium without colour) and a yellow flag, the mooring buoy will be orange. The LED lights will emit a yellow light with a blink frequency of 1 second (60 times per minute).

The signal buoys will be placed in the locations indicated in the Table 1 before the first survey session at each research season (autumn and spring migration) and collected after the end of research in a given season:

- ✓ placement of buoys in the autumn season of 2025 – before the research session planned for 15–31 July 2025
- ✓ collection of buoys in the autumn season of 2025 – shortly after the last research session planned for 15–30 November 2025
- ✓ placement of buoys in the spring season of 2026 – before the research session planned for 01–15 March 2026
- ✓ collection of buoys in the spring season of 2026 – shortly after the last research session planned for 15–31 May 2026
- ✓ placement of buoys in the autumn season of 2026 – before the research session planned for 15–31 July 2026
- ✓ collection of buoys in the autumn season of 2026 – shortly after the last research session planned for 15–30 November 2026
- ✓ placement of buoys in the spring season of 2027 – before the research session planned for 01–15 March 2027
- ✓ collection of buoys in the spring season of 2027 – shortly after the last research session planned for 15–31 May 2027

The planned dates for the surveys are shown in Table 2

2. Anchoring system

The signal buoys will be anchored to the bottom using a metal block weighing approximately 50-70 kg. The signal buoy will be connected to the anchor using two sections of rope and one section of steel chain. The steel chain will ensure that the section of rope directly below the water surface is vertical. The signal buoy will extend 2m above the water surface.
The total length of the signal buoy is 4m.

Table 1 Radar survey points and signal buoy deployment coordinates

POINT NAME	POINT TYPE	Coordinates (X)	Coordinates (Y)
EE01R	vessel anchoring	21° 47.873' E	58° 1.012' N
S01	transect signal buoy	21° 47.861' E	58° 0.473' N
S02	transect signal buoy	21° 47.849' E	57° 59.934' N
W01	transect signal buoy	21° 46.857' E	58° 1.018' N
W02	transect signal buoy	21° 45.842' E	58° 1.024' N

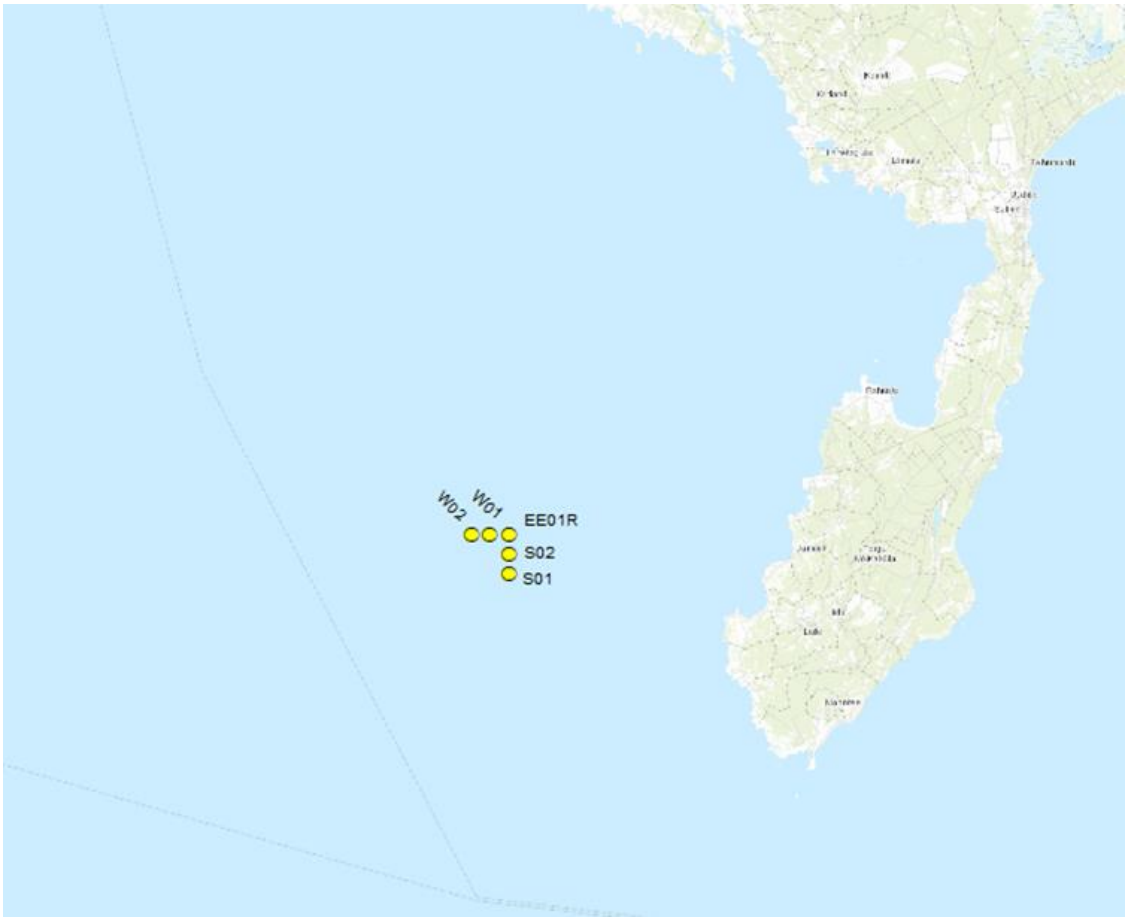

Figure 1. Vessel anchor position and visual observation transects with the location of buoys in the survey area

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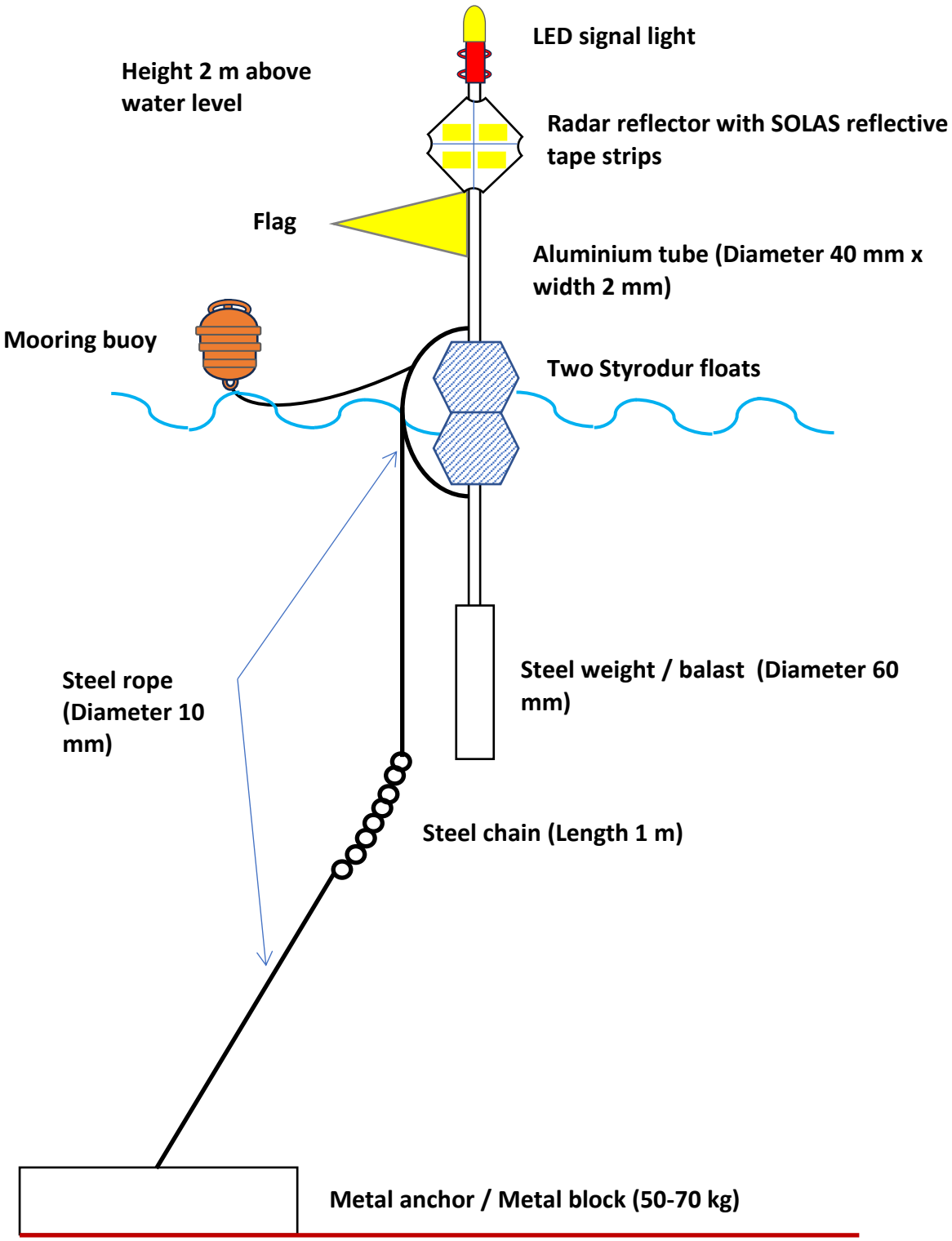

Figure 2: Construction and anchoring of signal buoys

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Table 2. Planned work schedule of the survey

Date from	Date to	Number of survey days
2025-07-15	2025-07-31	4 days
2025-08-01	2025-08-31	7 days (not consecutive, minimum 2 cruises)
2025-09-01	2025-09-30	7 days (not consecutive, minimum 2 cruises)
2025-10-01	2025-10-31	7 days (not consecutive, minimum 2 cruises)
2025-11-01	2025-11-30	7 days (not consecutive, minimum 2 cruises)
2026-03-01	2026-03-31	7 days (not consecutive, minimum 2 cruises)
2026-04-01	2026-04-30	7 days (not consecutive, minimum 2 cruises)
2026-05-01	2026-05-31	7 days (not consecutive, minimum 2 cruises)
2026-07-15	2026-07-31	4 days
2026-08-01	2026-08-31	7 days (not consecutive, minimum 2 cruises)
2026-09-01	2026-09-30	7 days (not consecutive, minimum 2 cruises)
2026-10-01	2026-10-31	7 days (not consecutive, minimum 2 cruises)
2026-11-01	2026-11-30	7 days (not consecutive, minimum 2 cruises)
2027-03-01	2027-03-31	7 days (not consecutive, minimum 2 cruises)
2027-04-01	2027-04-30	7 days (not consecutive, minimum 2 cruises)
2027-05-01	2027-05-31	7 days (not consecutive, minimum 2 cruises)

Dokument podpisany
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