

## ANNEX E: Updated Work Plan and Action Points of the 22<sup>nd</sup> NSHC TWG Meeting

The work plan and action points of the 22<sup>nd</sup> NSHC TWG Meeting can be found in the tables below.

Item Number (TWG/Item)	Objective (Why/Priority)	Task Description (What/How)	HO Involved	Status
WP 16/04	Enable GNSS-based tidal reduction and the connection with the vertical datum on land	Follow developments on geoid, MSL and LAT computations for the North Sea area	All	Permanent, see also WP18/01
WP 18/01	Improve North Sea wide realization of reference surfaces	Explain and reduce differences in reference surfaces at the international boundaries	All	Permanent
WP 18/02	Improve methodologies for GNSS surveys	Exchange between HO's on operational methodologies for GNSS based surveys	All	Permanent
WP 22/01	Ensure common European LAT surface adoption.	Follow the developments of European initiatives on new LAT surfaces.	All	Permanent

Item Number (TWG/Item)	Objective (Why/Priority)	Task Description (What/How)	HO Involved	Status	Corresponding Work Plan Item
AP 18/01	Explain differences in realizations of LAT	Exchange on bilateral basis between involved HO's to investigate further the origin of observed differences at the boundaries between national reference surfaces	All	Permanent	WP 18/01
AP 19/03	Make an overview over existing separation and hydrodynamic models, including metadata	Each member state sends the information to UKHO	All, UK	July 2015	WP 18/01
AP 20/04	Gain insight the connection between EVRS and chart datum	Create overview of connection between EVRS and Chart Datum	NL, All	Dec 2018	WP 16/04

AP 21/01	Investigate the differences at the BE-FR border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	BE, FR	Dec 2018	WP 18/01
AP 21/02	Investigate the differences at the BE-NL border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	BE, NL	Dec 2018	WP 18/01
AP 21/03	Investigate the differences at the DK-DE border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	DK, DE	Dec 2018	WP 18/01
AP 21/04	Investigate the differences at the DK, NO border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	DK, NO	Dec 2018	WP 18/01
AP 21/05	Investigate the differences at the FR-UK border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	FR, UK	Dec 2018	WP 18/01
AP 21/06	Investigate the differences at the DE-NL border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	DE, NL	Dec 2018	WP 18/01
AP 21/07	Investigate the differences at the NO-UK border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	NO, UK	Dec 2018	WP 18/01
AP 21/08	Investigate the differences at the NO-SWE border between national LAT reference surfaces	Investigate all LAT differences at the border of more than 1 percent (LAT difference/depth)	NO, SE	Dec 2018	WP 18/01

AP 22/01	Investigate the differences in national LAT reference surfaces at all borders.	Each member state should supply information on how their LAT surface was built to NL who will analyse this information and compare the surfaces.	NL, All	Dec 2018	WP 18/01
AP 22/02	Investigate the differences in national LAT reference surfaces at all borders.	Each member state should supply all LAT updates to NL who will update the LAT differences matrix accordingly.	NL, All	Periodical	WP 18/01
AP 22/03	Investigate the differences in national LAT reference surfaces at all borders.	Make error estimates in LAT surfaces.	All	Permanent	WP 18/01
AP 22/04	Explain the differences in national LAT reference surfaces at all borders.	Decide how the arbitrary 1% norm should be redefined to be linked to something practical before the next TWG meeting and make an according proposition to NSHC for acceptance.	All	Dec 2018	WP 18/01
AP 22/05	Ensure common European LAT surface adoption.	Follow the developments of European initiatives on new LAT surfaces.	NL	Permanent	WP 22/01