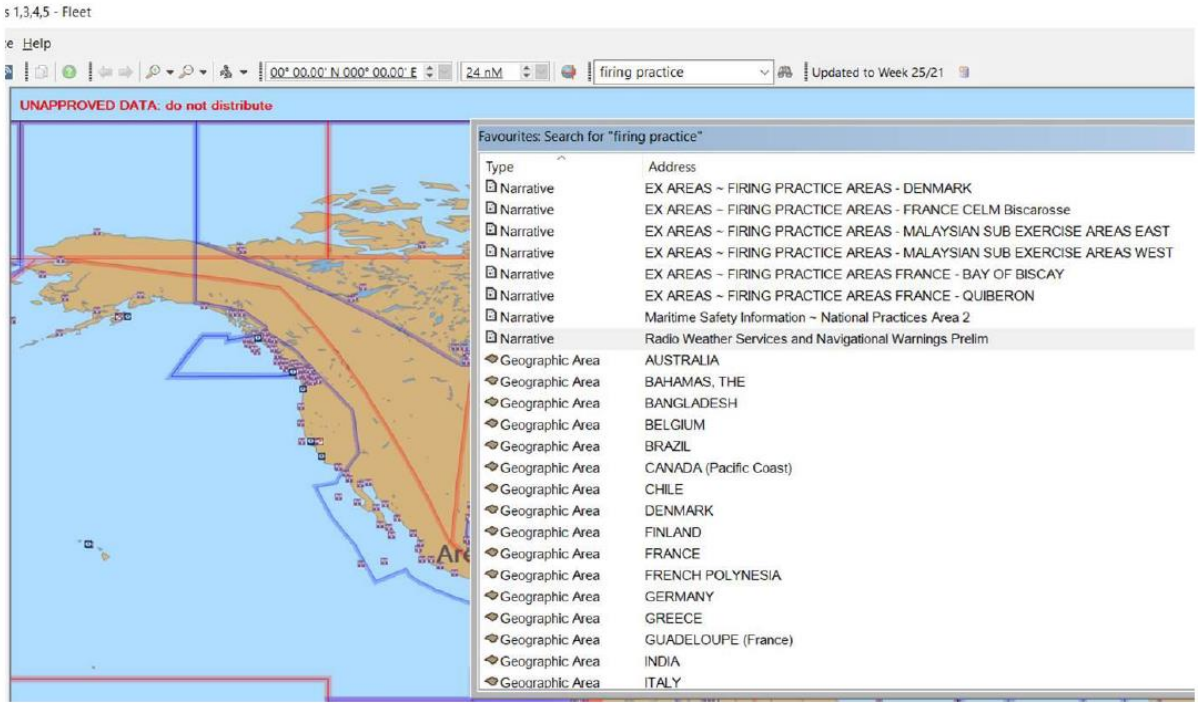
ADP V23 Changes/Improvements

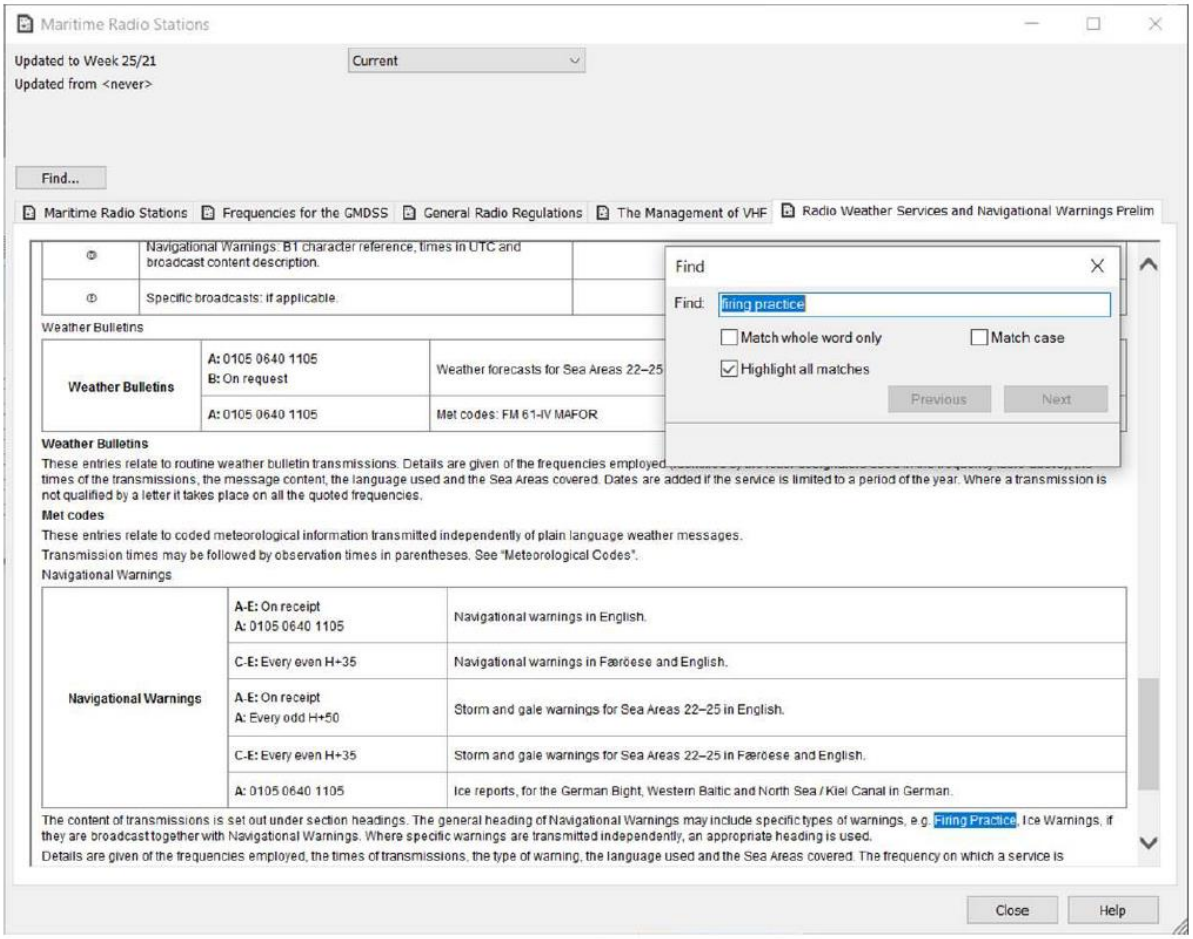
Search Functionality to be improved

Searching in ADRS1345, ADRS2 and ADRS6
Term matching versus Exact matching
Traditionally searching in ADP has been done using term matching (mainly) against object names.
So, if the user entered “firing practice” (or “practice firing”), the search would return any object names that contained “firing” AND “practice” - in any order.
This style of matching is still done against object names, but when searching textual content, exact matching is done. So if some narrative object contains “this area is to practice firing” and the user enters “firing practice”, it will not return a match.
(Note: all matches are case insensitive)
The reason for this change is so that when an object’s property dialog is opened, the search phrase can be found and highlighted in the text.
ADRS1345
Narrative Content
Search algorithm changed from using term matching to exact matching for the narrative itself (the narrative name is still searched using term matching).
Geographic Areas
These were not included in the search in previous versions of the software.
Other objects
· NavAreas (including Internal and External National Coordinators)
· NavTex
· RadioStation
· ReportingInfo (Services)
· SAR (Agency Contact plus Control Centre Contacts)
TMAS
The Contacts fields of these object types were already searched but using term matching. This has been changed to exact matching.
ADRS2
Narrative Content
Narratives were not previously included in the search. Searching now handles them in the same as RS1345.
NavAids

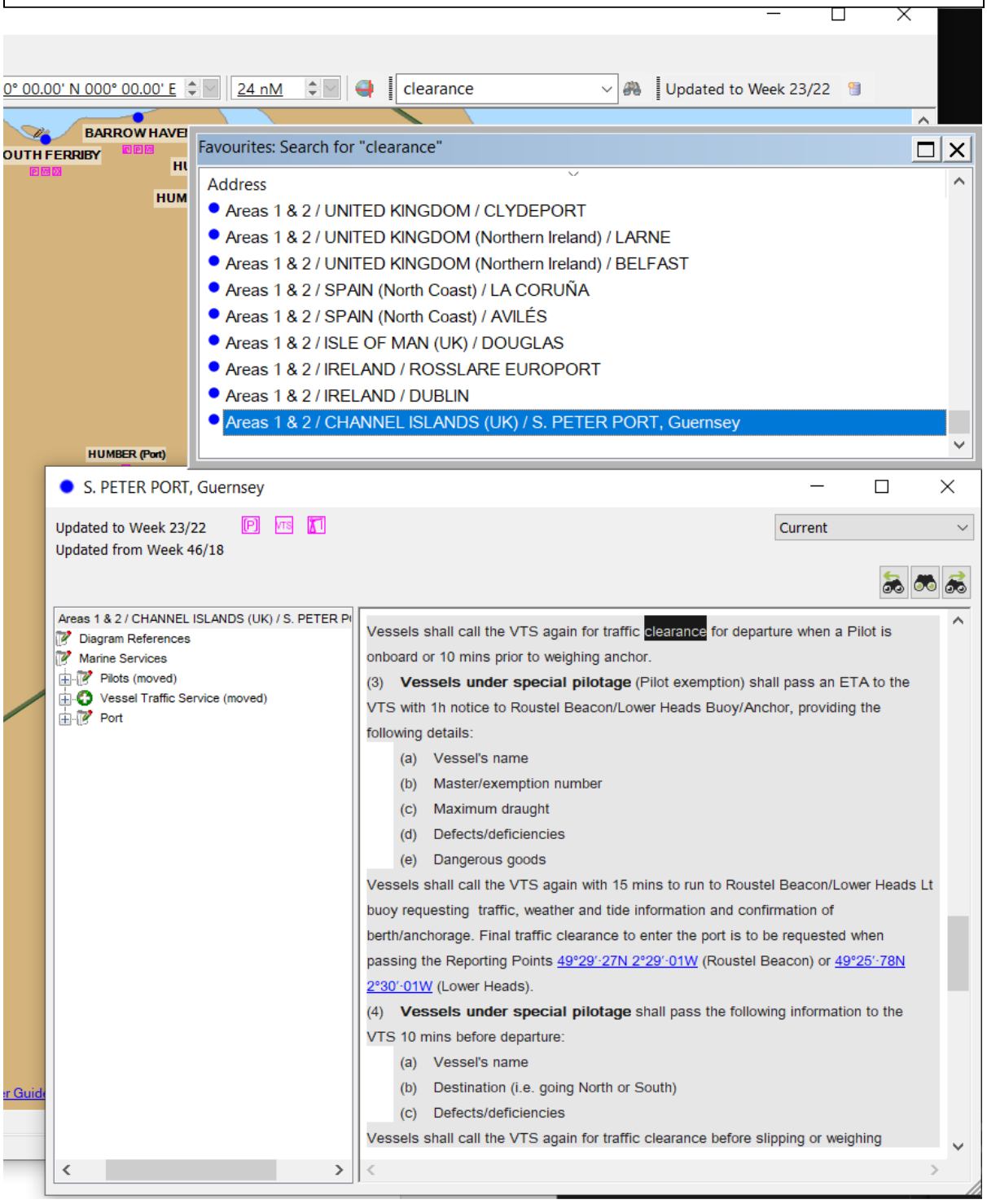
The notes fields of the various NavAid subtypes are now included in the search, as is the Morse text from Racons.
Other objects
Searching has not been extended any further for other object types, in ADRS2.
ADRS6
Previously only the names (and aliases) of Service Locations and Geographic Areas was searched. In this version, a deeper search is performed into the various fields of these objects.
User Interface
In all three applications, when a property dialog is opened from search results, if the search term (exact match) is found in the text, then the property dialog is put into “Find mode”. The exact result of this differs a little between ADRS6 and the other two because of differences in the underlying controls used.
For example, in RS1345 searching for “firing practice” gives these results:



When the user opens the selected narrative from the search results, the application finds the first page that contains the term “firing practice”, switches to that page and shows the find dialog.

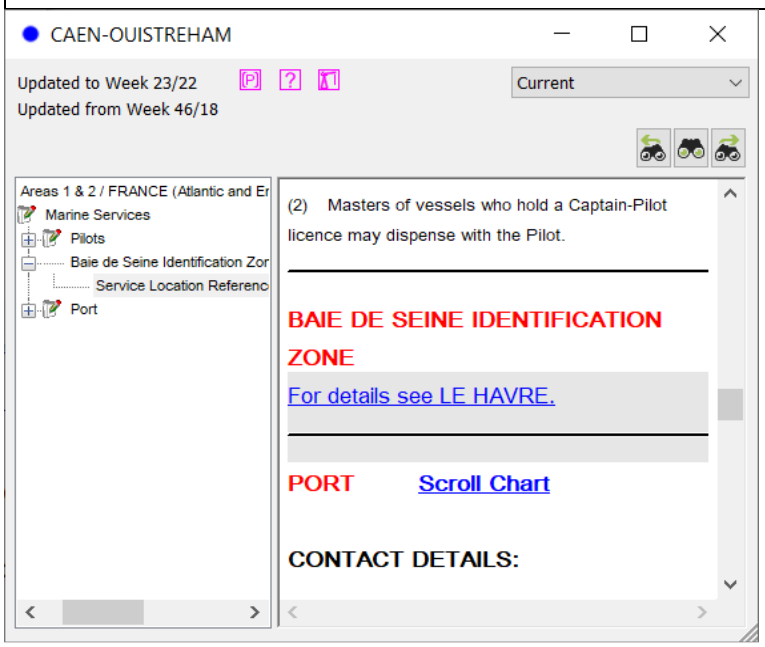


ADRS2 behaves similarly but in ADRS6, a Find dialog does not appear, but the first found result is highlighted.
Further occurrences can be found by clicking the Find Next button.
The set of 3 buttons where this is found are new in this release to make finding text within a Service Location or Geographic Area a little easier.

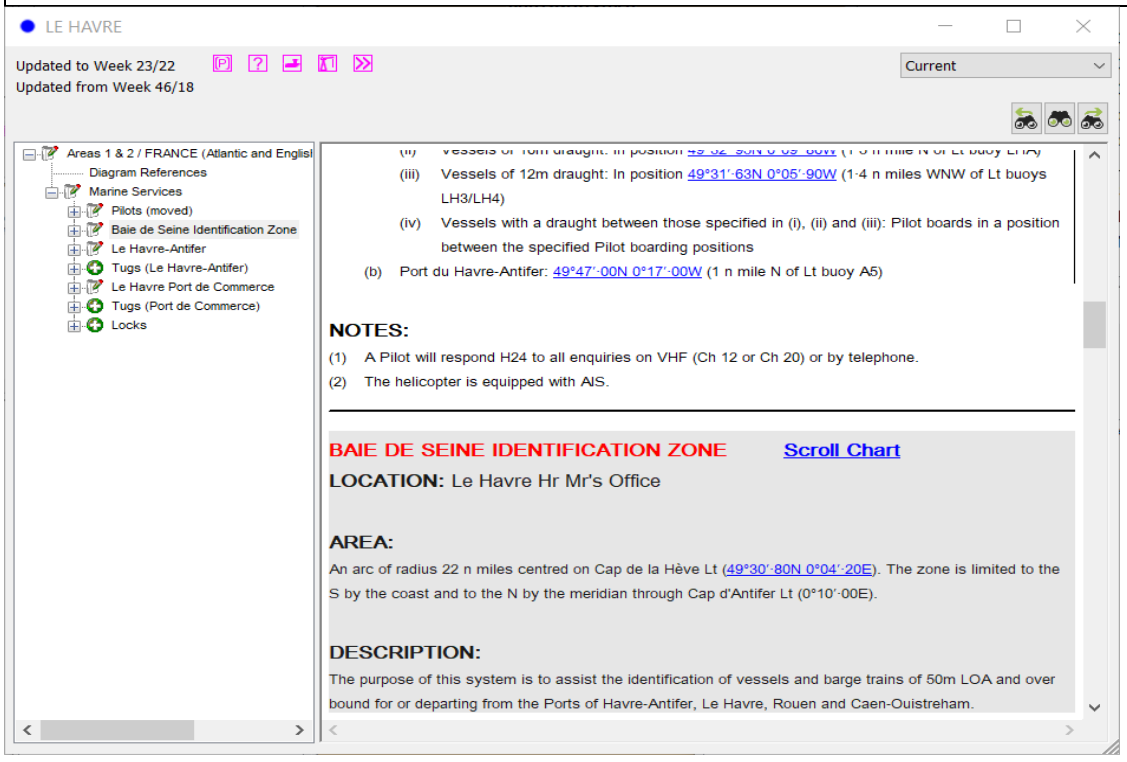


Hyperlinks

ADRS6 Hyperlinking
When a link from a Service Location is clicked to open another Service Location, the details of the shared Marine Service is found and highlighted.



Clicking on the link to LE HAVRE will open the LE HAVRE property dialog (as in previous versions) AND search for “BAIE SE SEINE IDENTIFICATION ZONE” within the document’s tree structure and select it if found.

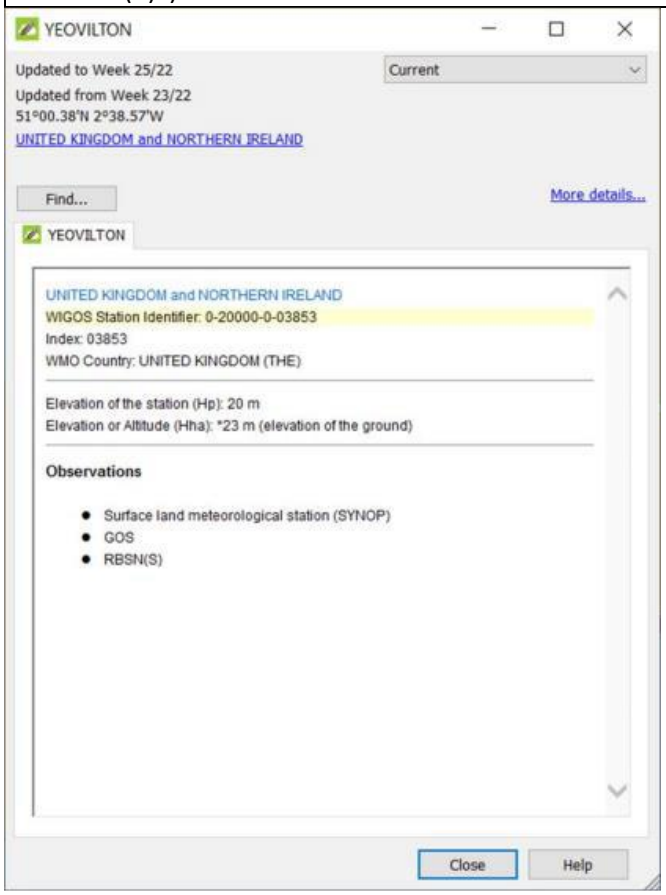


ADRS 6 - OSCAR API for WMO data

WMO Presentation
The WIGOS ID is now exported from ADP File Generator (available in the next release of POLAR). There are minor consequences for this in the SDK – see ADRS1345 SDK Changes.
The old index/subindex values are only shown in ADRS1345 if they are NOT the ones POLAR generated to maintain backwards compatibility.

Name	Position	Country	Elevation	Observations	ID	Index
TONKHIL	46°18.77'N 93°54.10'E	MONGOLIA	2,181 m	CLIMAT(C)	0-496-0-44266	
TOOROI	44°55.43'N 96°45.20'E	MONGOLIA	1,179 m	CLIMAT(C)	0-496-0-44325	
TSETSEN-UUL	48°44.88'N 96°00.25'E	MONGOLIA	1,928 m	CLIMAT(C)	0-496-0-44224	
UMBELUZI_AUTO	26°03.00'S 32°22.80'E	MOZAMBIQUE	*12 m	CLIMAT(C)	0-508-0-67348	
XAI-XAI_AEROPORTO	24°53.70'S 33°45.17'E	MOZAMBIQUE	44 m	CLIMAT(C)	0-508-0-67332	
XAI-XAI_AUTO	25°03.00'S 33°37.80'E	MOZAMBIQUE	*4 m	CLIMAT(C)	0-508-0-67326	
YERUU	49°44.95'N 106°39.67'E	MONGOLIA	674 m	CLIMAT(C)	0-496-0-44243	
ZUMBO_AUTO	15°03.00'S 30°18.00'E	MOZAMBIQUE	*343 m	CLIMAT(C)	0-508-0-67267	
JAN MAYEN	70°55.98'N 8°40.00'W	NORWAY	9 m	CLIMAT(C)	0-20000-0-01001	01001
JAN MAYEN (1001-1)	70°56.38'N 8°40.07'W	NORWAY	*9 m		0-20001-0-01001	01001.1
VERLEGENHUKEN	80°03.55'N 16°15.00'E	NORWAY	6 m		0-20000-0-01002	01002
HORNSUND	77°00.00'N 15°30.00'E	NORWAY	10 m		0-20000-0-01003	01003
NY-ALESUND II	78°55.40'N 11°55.33'E	NORWAY	*15 m		0-20001-0-01004	01004.1
EDGEOYA	78°15.03'N 22°49.35'E	NORWAY	12 m		0-20000-0-01006	01006
NY-ALESUND	78°55.37'N 11°55.98'E	NORWAY	8 m	CLIMAT(C)	0-20000-0-01007	01007
SVALBARD AP	78°15.00'N 15°28.00'E	NORWAY	27 m	CLIMAT(C)	0-20000-0-01008	01008
KARL XII OYA	80°39.17'N 25°00.47'E	NORWAY	5 m		0-20000-0-01009	01009
ANDOYA	69°18.43'N 16°07.87'E	NORWAY	13 m		0-20000-0-01010	01010
ANDOYA	69°18.92'N 16°07.85'E	NORWAY	*10 m		0-20001-0-01010	01010.1

In the WMO station properties dialog, all observation fields are now shown (previously only "known" ones were shown but the only known one left that the WMO still generated is "CLIMAT(C)").



ADRS6 – Synchronise narrative styles with ones used in POLAR

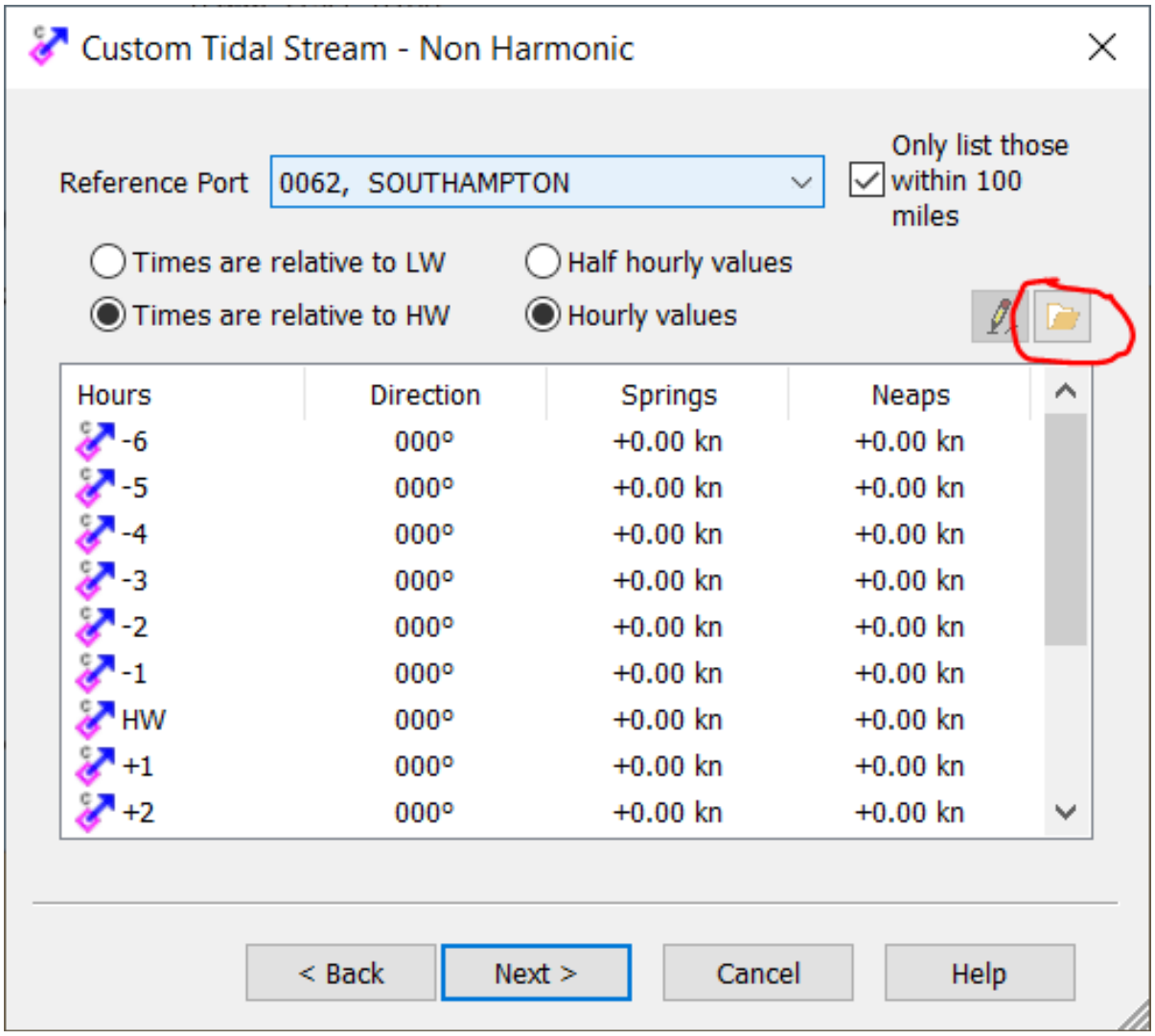
Synchronise Narrative Styles
ADP now shares the same paragraph styles as POLAR so any that are chosen for Narrative in POLAR will be correctly shown in ADP.

ATT – Referencing Non-Harmonic Tidal Streams to Non-Harmonic Ports

Referencing non-harmonic tidal stream diamonds to non-harmonic standard or secondary ports
The ability to reference non-harmonic ports from non-harmonic streams has been added to DB2TT and TotalTide.
Note that such streams will NOT show predictions in the current released versions of TotalTide.

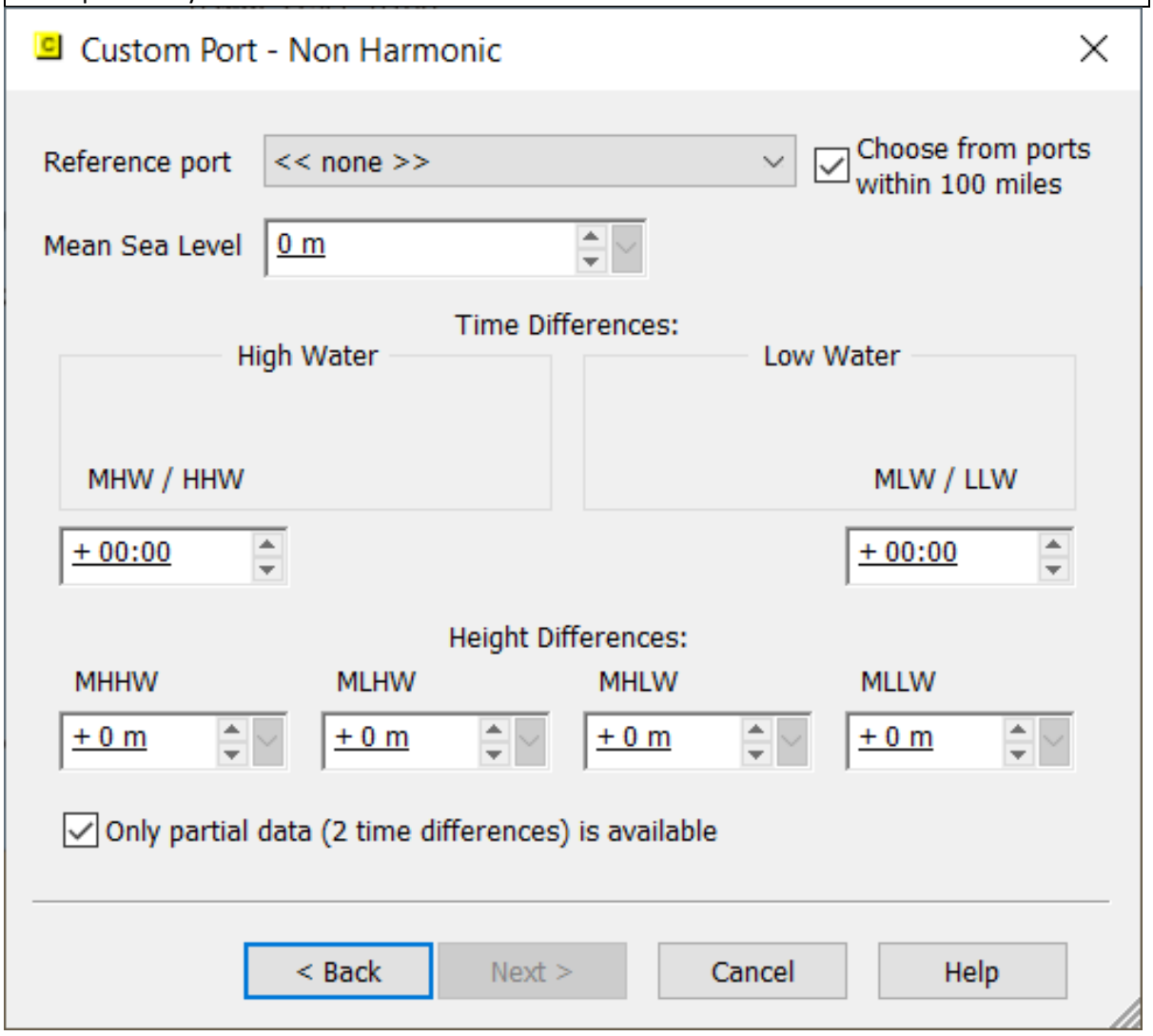
ATT – Import Tidal Diamond Data for Custom Non-Harmonic Tidal Streams

As requested, a button to import CSV tidal diamond data has been added to the page defining non-harmonic custom streams.
The file must consist of 13 (for hourly) or 25 (for half-hourly) lines where each line has:
Direction (degrees), Springs (knots),
Neaps (knots)
For example:
34,0.1,0
36,0.6,0.4
28,0.8,0.6
30,1.3,0.9
330,1,0.6
300,0.5,0.3
260,0.2,0.1
220,0,0
215,0.4,0.2
195,0.5,0.3
140,0.3,0.1


Custom Tidal Stream - Non Harmonic
Reference Port
0062, SOUTHAMPTON
Only list those within 100 miles
Times are relative to LW
Times are relative to HW
Half hourly values
Hourly values
Hours
Direction
Springs
Neaps
-6 000° +0.00 kn +0.00 kn
-5 000° +0.00 kn +0.00 kn
-4 000° +0.00 kn +0.00 kn
-3 000° +0.00 kn +0.00 kn
-2 000° +0.00 kn +0.00 kn
-1 000° +0.00 kn +0.00 kn
HW 000° +0.00 kn +0.00 kn
+1 000° +0.00 kn +0.00 kn
+2 000° +0.00 kn +0.00 kn
< Back
Next >
Cancel
Help

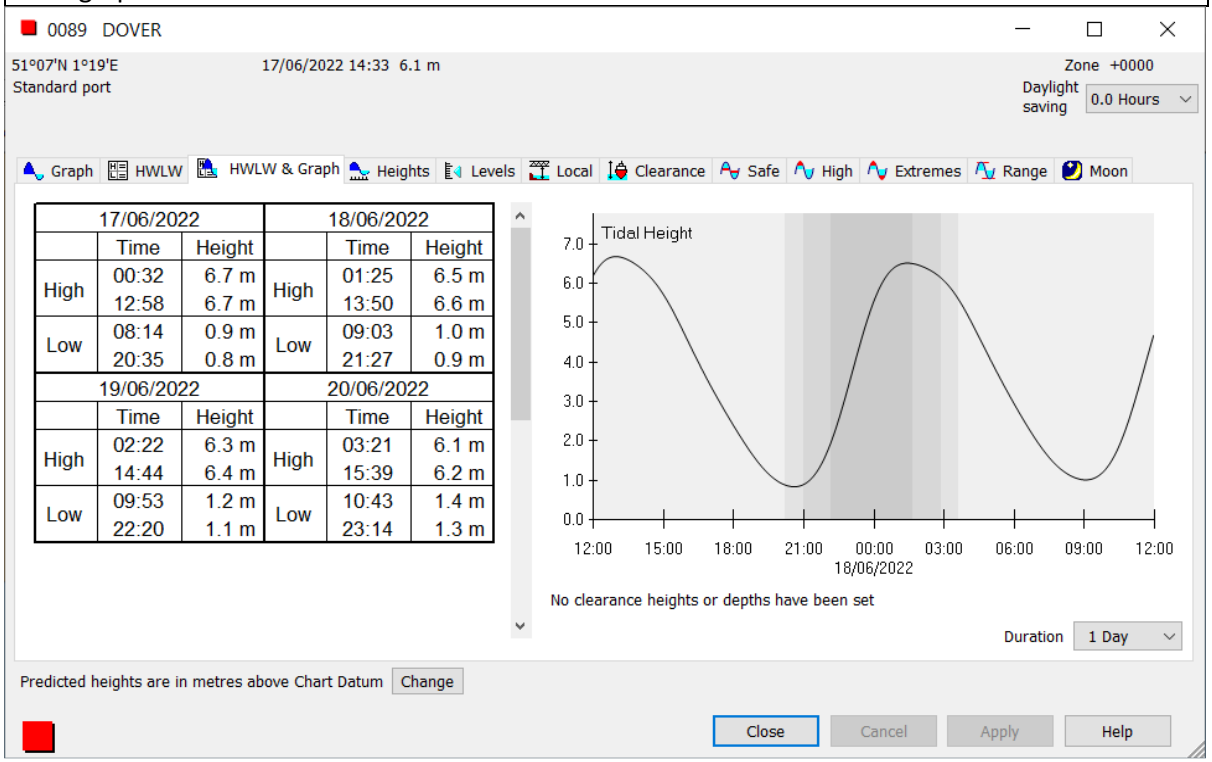
ATT – Non-harmonic custom port

Improved UI for Non-Harmonic Custom Port
The labels and layout of the dialog asking for time differences and height differences for diurnal ports (partial data) has been improved to have more accurate prompts and to hide controls which were previously disabled.



ATT – Tidal Heights and Graph

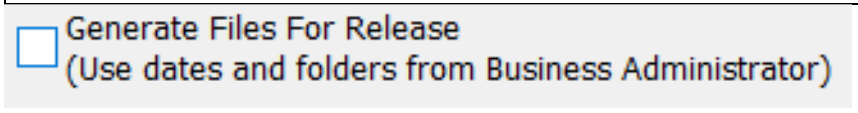
New Tab to Display Tidal Heights and Graph
Additional Tab on every Port Properties Window to combine the view of the Curve and Graph in one view
As requested, a new property page has been added to display both high/low water tables and the tidal graph in the same window.



17/06/2022			18/06/2022		
	Time	Height		Time	Height
High	00:32	6.7 m	High	01:25	6.5 m
	12:58	6.7 m		13:50	6.6 m
Low	08:14	0.9 m	Low	09:03	1.0 m
	20:35	0.8 m		21:27	0.9 m
19/06/2022			20/06/2022		
	Time	Height		Time	Height
High	02:22	6.3 m	High	03:21	6.1 m
	14:44	6.4 m		15:39	6.2 m
Low	09:53	1.2 m	Low	10:43	1.4 m
	22:20	1.1 m		23:14	1.3 m

ADLL – Updating Lights RTF Files

Include ADLL RTF files in update from internet - RTF Patch
ADP File Generator already supports the ability to distribute modified RTF files with Light update files.
To include updated RTF files, the current files in the folder U:\Prod_ADRS\ADRS\ADLL\rtf should be replaced with the modified RTF files. When ADP File Generator is next run for ADLL, these replacement files will be copied to the new base folder for the new NM week and encoded within the update files generated.
U:\Prod_ADRS\ADRS is assumed to be the “Root folder for ADP File Generator Output” set in Business Administrator. If ADP File Generator is run with “Generate Files For Release” set to off
(i.e. for testing purposes) then the RTF files should be copied over the corresponding files in …\ADLL\rtf under whatever the “Base file root folder” is set to.



SDK Improvements/Changes

SDK Changes
Full details of the changes will be published on the ADP SDK website (a preview is available at **https://adpsdk.chersoft.co.uk/V23/**).
Similar to what was done for ADP V18, a registry entry "Enable V23 SDK Changes" must be present and set to 1 to allow additional data to be returned in the XML from the SDK. This entry should be in HKLM\SOFTWARE\CherSoft\UpdateWiz.
If V23 SDK functionality is enabled then V18 SDK functionality is also enabled.
ADLL SDK Changes
Ranges have been added to Light sequences. Each Range consists of a Distance and a Colour.
TotalTide SDK Changes
<TidalDiamond> information has been added to the <Stream> nodes.
The following have been added to <PortNodes>:
· <TideType> - "Diurnal", "Semi-diurnal" or "Unknown".
· <HWLWAvailable> - true if and only if TT displays the "HWLW" tab on the port's properties dialog
· <LevelsAvailable> - true if and only if TT displays the "Levels" tab on the port's properties dialog
· <TidalRangeAvailable> - true if and only if TT displays the "Range" tab on the port's properties dialog
· <Event_Times_HW> - "Always", "Never", or "Sometimes". Indicates whether TT is able to predict the times of high-water events
· <Event_Times_LW> - as Event_Times_HW, but for low-water events
· <Event_Heights_HW> - "Always", "Never", "Springs", or "Neaps". Indicates whether TT is able to predict the heights of high-water events
· <Event_Heights_LW> - as Event_Heights_HW but for low-water events
<ReferencePort> has been added to the <Station> element. It is present only when the station is of type PortStandardNonHarmonic, PortSecondaryNonHarmonic, PortCustomNonHarmonic, StreamNonHarmonic, or StreamCustomNonHarmonic; and it contains the number of the station's reference port.
ADRS6 SDK Changes
<Classification> has been added to <MarineService> elements and indicates which classes the Marine Service is deemed to have (port, bridge, VTS, etc.)
<ClassesUnion> has been added to <RS6Station> elements (only for stations of type ServiceLocation or MinorServiceLocation), and gives the union of the classes of the individual Marine Services (this tells you which icons would appear at the top of the RS6 properties dialog for the station).
ADRS2 SDK Changes

The GNSS type (name only, no description) for DGPS stations (see entry above) has also been added to the XML returned by the SDK method StationsDetails().
ADRS1345 SDK Changes
Once the new ADPFileGenerator is deployed, WMO stations will be addressed by WIGOS identifier rather than index/sub-index values. This is exposed in the SDK so it may cause an issue in any code that expects to find the index/sub-index in the WMO station address. Note that this will occur in current versions of ADRS1345 and in ADRS1345 V23 regardless of the “Enable V23 SDK Changes" registry setting.
Common SDK Changes
ADRS1345, ADRS2 and ADRS6 now have a new function ShowPropertiesHighlightSearch which does the same thing as ShowProperties, but will open the dialog in “find mode” looking for the specified text, as though it has been opened from the search results list.
All applications how have a DuplicatedStations function that returns details of stations that appear in more than one licence area. The specifics of what is returned does vary a little between the applications because of differences in their internal implementations.