NSHC 27th Conference
Rostock, September 2006

BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

Item E1

Report of the Working Group on Standardisation of Digital Exchange of Notices to Mariners

Work done by correspondence between France, Netherlands, UK and Germany

Terms of Reference (excerpt)

Investigate existing data interchange formats to serve as a common NtM interchange format.

Develop porposals for a common NtM data interchange format which facilitates both digital and paper based NtM versions.

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Some HOs already distribute digital versions of their NtM, either in the form of

PDF files, and/or
extracted from a data base (XML).

Current status of exchange of NtM between NSHC members

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Digital versions in use differ in format and structure similar to the different structure and appearance of the printed NtMs of NSHC members.

The HO receiving a digital NtM to be re-produced in its own products, has to employ laborious and time-consuming methods to make use of the NtM information.

The digital NtM in XML format provided by the UKHO is the only digital version of NtM distributed at the moment which allows further digital processing.

Workflow of NtM filtering for selected items

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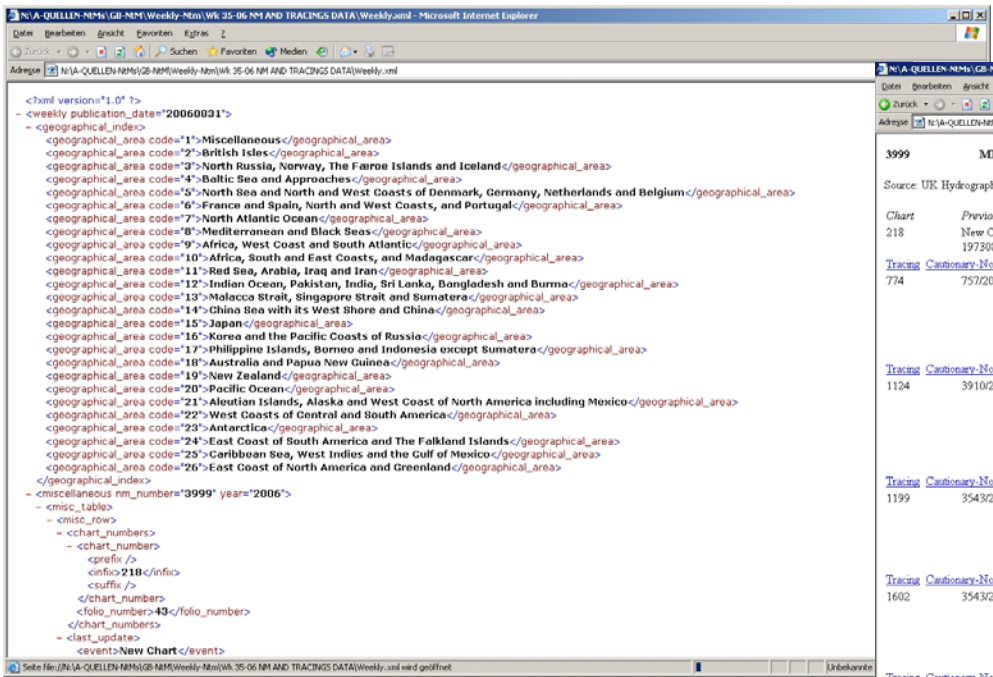
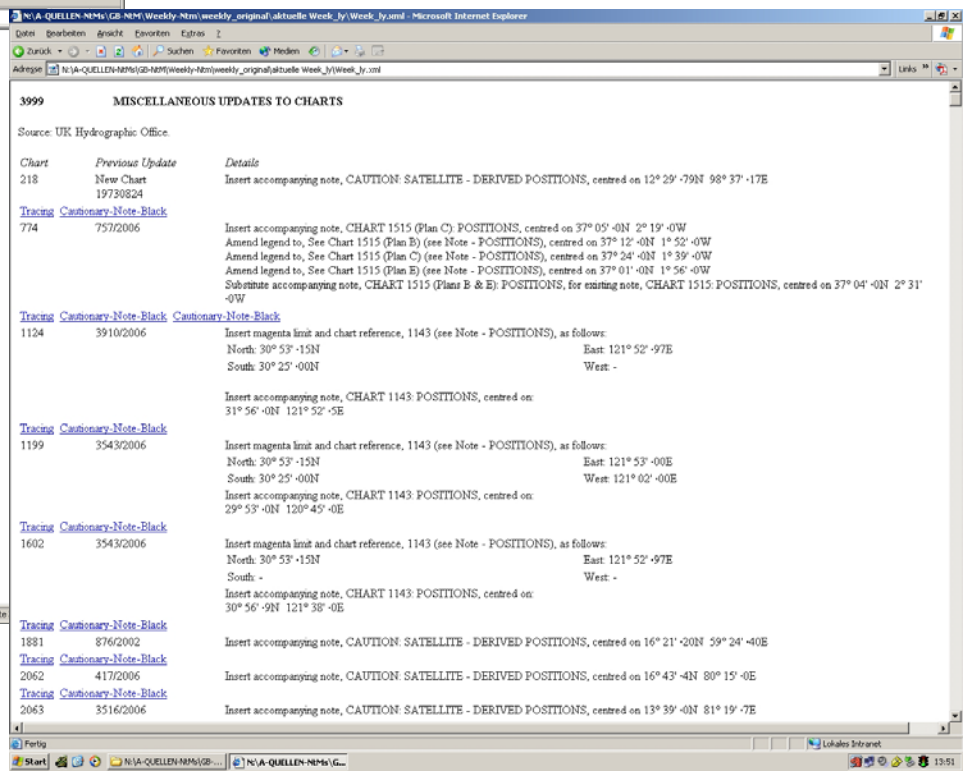
Original NtM version of UKHO distributed in XML format ready to visualise in Internet Browser





Germany has developed a software solution to extract selected items from XML-formatted NtMs.

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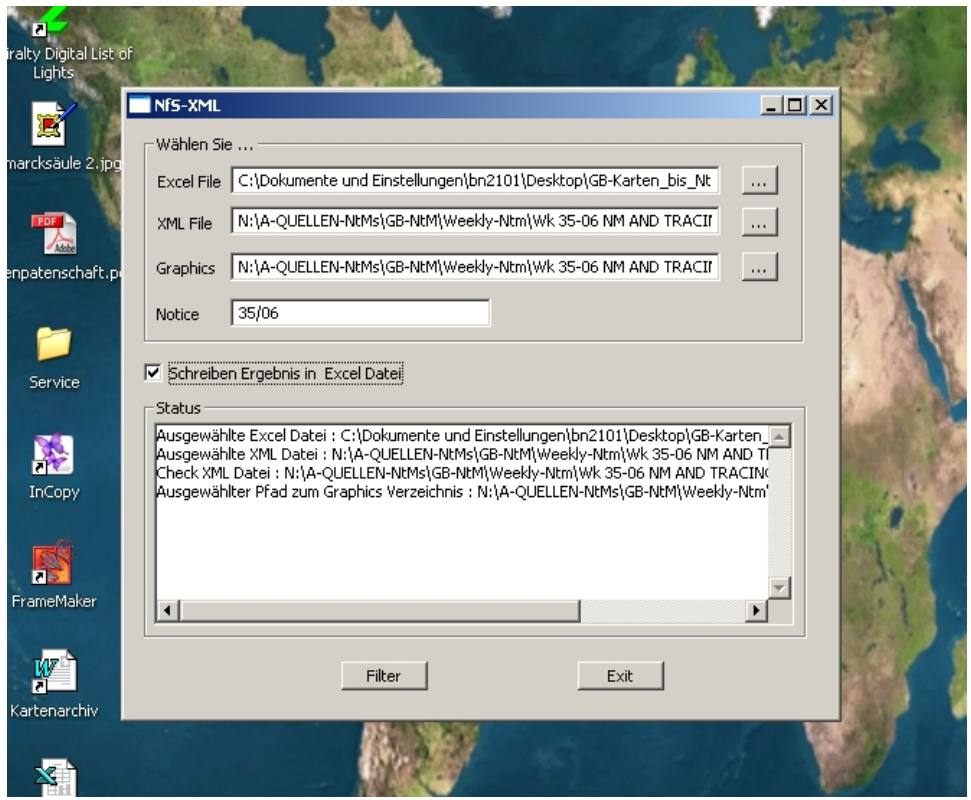
Select NtMs referring to a prepared list of charts

Admiralty Charts No.
(22) GB 1187
(22) GB 1188
(22) GB 1834
(22) GB 1835
(22) GB 3497
(23) GB 266
(23) GB 292
(25) GB 3008
(34) GB 2049
(34) GB 2057
(34) GB 2667
(49) GB 2216
(49) GB 2242
(49) GB 3303
(61) GB 886
(61) GB 1847
(61) GB 1856
(61) GB 1858
(61) GB 1869
(61) GB 1870
(61) GB 3133
(61) GB 3134

Process the filter software ...



Workflow of NtM filtering for selected items (continued again)

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Teil 1 A - Britische Karten / *Part 1 A - British Admiralty Charts*

Dieser Abschnitt enthält Abdrucke für Kartenberichtigungen gemäß den Admiralty Notices to Mariners, die vom UK Hydrographic Office (UKHO) herausgegeben wurden.
This section contains reprints for corrections to charts according to the Admiralty Notices to Mariners issued by UK Hydrographic Office (UKHO).

Seegebiet / *Sea area*

3955* **ENGLAND— East Coast— River Medway— Upnor Reach— S. Mary's Wharf Westwards— Moorings. Legend.**

Source: Medway Ports Notice 21/06

(22) **Chart 1835** [*previous update 1023/2006*] ETRS89 DATUM
Insert maritime limit, pecked line, joining: *(a)* 51° 24' ·417N 0° 31' ·893E
(b) 51° 24' ·409N 0° 31' ·934E
(c) 51° 24' ·357N 0° 31' ·913E
(d) 51° 24' ·365N 0° 31' ·871E
legend, *Small Craft Moorings*, orientated NNE/SSW, within: *(a)-(d)* above

3957* **ENGLAND— East Coast— River Medway— Saltpan Reach— Thamesport Berth 2— Depth.**

Source: Medway Ports

(22) **Chart 1834** [*previous update 3510/2006*] ETRS89 DATUM
Insert depth 3_0 and extend 5m and 10m contours S to enclose 51° 25' ·857N 0° 40' ·803E

3956* **ENGLAND— East Coast— River Humber— Grimsby Middle— Depth.**

Source: ABP Humber

(22) **Chart 1188 (INT 1553)** [*previous update 3311/2006*] ETRS89 DATUM
Insert depth 6_9 and extend 7m contour E to enclose 53° 35' ·26N 0° 02' ·43E

3956* **NORTH SEA— United Kingdom Sector— Dogger Bank South-westwards— Eastermost Rough Northwards— Garrow Platform— Restricted area.**

Source: ATP Oil and Gas Limited

(23) **Chart 266** [*previous update 3651/2006*] WGS84 DATUM
Insert circular limit of restricted area, radius 500m (0·27M), centred on: 54° 16' ·32N 0° 59' ·78E

(22) **Chart 1187** [*previous update 3651/2006*] ETRS89 DATUM

… and get the result in style of “Nachrichten für Seefahrer” for direct take over by desktop publishing tools.

Recommendations of the Working Group for the exchange of digital NtM

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XML and its derivate GML for geographic representation, should be adopted as the carrier for further harmonisation of digital NtMs.

The XML version of UK should become standard for the interim and UK should provide guidance on how to implement this format.

Germany could provide filter software on request.

To match the individual style of printed NtMs, style sheets have to be developed for individual publication. This development should include the unified coding for the cartographic symbolisation of the NtM messages.

Recommendations of the Working Group for the exchange of digital NtM (continued)

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HOs contributing to the work of the WG have already started to model production data bases which will facilitate the full digital workflow for NtM production. Export functions for digital NtMs should be implemented as part of the process.

The modelling of digital NtM articles by means of GML, linked to S-100 objects which in turn may be linked to a standardised symbolisation like the Presentation Library of S-52 should be continued. This action should be done in co-operation with SNPWG, TSMAD and CSMWG of CHRIS.

It is proposed to endorse the recommendations of the working group and to task it to complete its work accordingly