

APPLICATION OF STANDARD LINEAR FORMAT TO
DIGITAL HYDROGRAPHIC PRODUCTS

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SUMMARY

With an ever increasing number of new navigation, weapon, and training systems being developed which use digital hydrographic information, the Defense Mapping Agency (DMA) can no longer provide system specific, digital products. DMA has adopted an internal digital data exchange format, called Standard Linear Format (SLF), to permit the exchange of digital data between various production elements. The DMA Feature File (DMAFF), a dictionary of cartographic features and attributes to describe those features, has been developed to standardize digital cartographic features.

To test these standards, a digital chart of Portsmouth, Virginia has been produced using the DMAFF features encoded in SLF. This digital prototype is being evaluated for its ability to serve as a multiproduct data base to satisfy both digital and paper chart requirements.