



Date Attribute Formats – Clarifications for S-57 Use of the Object Catalogue for ENC and S-58

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Acknowledgements



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S-57 Date Formats

Based upon S-57 Appendix A ch. 2 and the S-57 Maintenance Document (Cumulative) Number 8



CPDATE, DATEND, DATSTA, SORDAT, SUREND and SURSTA

- CCYYMMDD
- CCYYMM
- CCYY

PEREND and PERSTA

- CCYYMMDD
- --MMDD
- --MM

S-58 Checks 1515a and 1515b



S-58 references the more general ISO 8601:1988 standard.

1515a	For each feature object where a value of DATEND, DATSTA, PEREND or PERSTA does not conform to the formatting defined in ISO 8601:1988.	Date attribute not formatted according to ISO 8601:1988.	Amend formatting to conform to ISO 8601:1988.
1515b	For each feature object where a value of SORDAT, SUREND or SURSTA does not conform to the formatting defined in ISO 8601:1988.	Date attribute not formatted according to ISO 8601:1988.	Amend formatting to conform to ISO 8601:1988.

S-58 Checks 1515a and 1515b



- Problem: check 1515a would allow --0615 for DATSTA and DATEND.
- Or, even 1993-W06-7 or 1985-102T23:50:30

1515a	For each feature object where a value of DATEND, DATSTA, PEREND or PERSTA does not conform to the formatting defined in ISO 8601:1988.	Date attribute not formatted according to ISO 8601:1988.	Amend formatting to conform to ISO 8601:1988.
1515b	For each feature object where a value of SORDAT, SUREND or SURSTA does not conform to the formatting defined in ISO 8601:1988.	Date attribute not formatted according to ISO 8601:1988.	Amend formatting to conform to ISO 8601:1988.

Update UOC Guidance



2.1.5 Dates

When encoding dates using the attributes CPDATE, DATEND, DATSTA, ~~PEREND,~~ ~~PERSTA,~~ SORDAT, SUREND and SURSTA, ~~and no specific month or day is required,~~ the following values must apply in conformance to ISO 8601:1988.

- Full date: CCYYMMDD
- No specific day required: CCYYMM
- No specific month required: CCYY

If it is required to encode periodic/recurring dates using the attributes PEREND and PERSTA, the following values must apply in conformance to ISO 8601:1988.

- Full date: CCYYMMDD
- No specific year required, same day each year: --MMDD
- No specific year required, same month each year: --MM

Notes: CCYY = calendar year; MM = month; DD = day.

In the **last** two values, the dashes (--) must be included.

Where the temporal attributes DATEND, DATSTA, PEREND or PERSTA have been encoded for any object that is the master component of a master/slave relationship, all other component objects within the relationship must not extend beyond the temporal attribute values encoded.

Update S-58 Checks 1515a and 1515b



1515a	For each feature object where a value of DATEND, DATSTA, PEREND or PERSTA does not conform to the formatting defined in ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	Date attribute not formatted according to ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	Amend formatting to conform to ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	2.1.5	C
1515b	For each feature object where a value of SORDAT, SUREND or SURSTA does not conform to the formatting defined in ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	Date attribute not formatted according to ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	Amend formatting to conform to ISO 8601:1988 the S-57 Use of the Object Catalogue for ENC.	2.1.5	E



Thank you!

Questions?