

Inconsistencies in Association Roles in the S-101 Feature Catalogue Agenda Item S-101PT12-06.10

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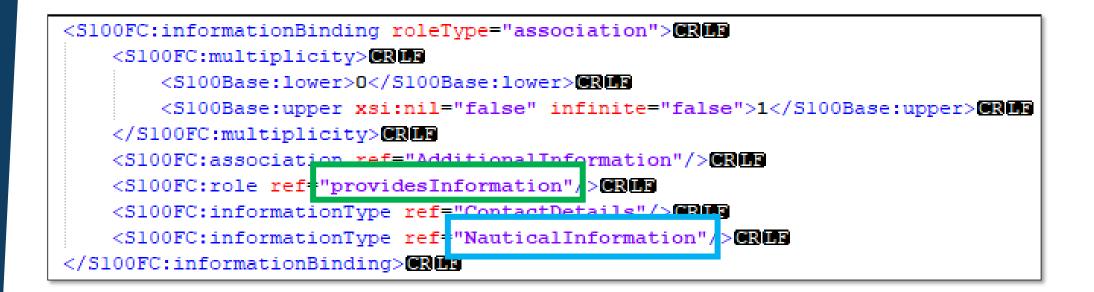
Problem

- Several cases have been identified where the *association roles* in the S-101 Feature Catalogue are inverted.
- *Information bindings* are probably not affected.
- The problem becomes visible in the *feature binding* element (sub-element *role*) of the affected *feature types*.
- The same problem exists in DCEG section 25 Association Names.
- Affected are DCEG Edition 1.2.0.20231127 and

S-101 FC Edition 1.2.0 (2024-01-18).



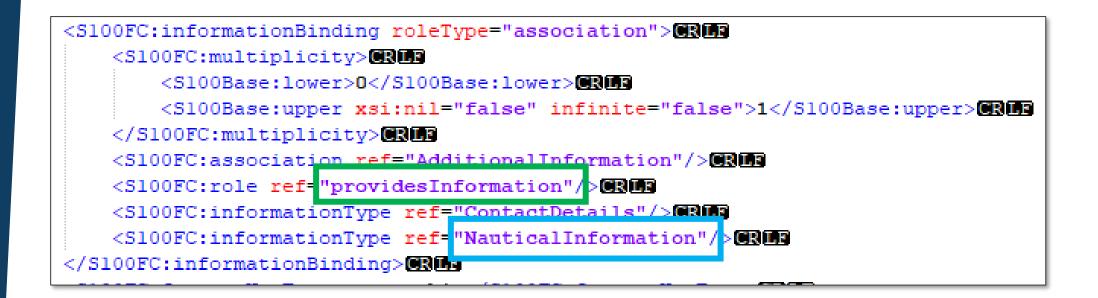
Example: Lateral Buoy Additional Information association



Interpreted as: *Nautical Information* provides Information for *Lateral Buoy*.



Example: Light All Around Additional Information association



Interpreted as: Nautical Information provides Information for Light All Around.



Example: Lateral Buoy Structure Equipment association

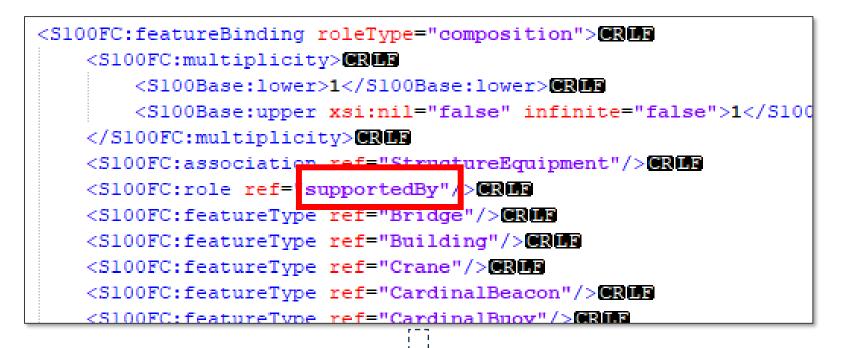


Interpreted as: Light All Around supports Lateral Buoy. ERROR: role is inverted!

Correct role: Light All Around supported by Lateral Buoy.

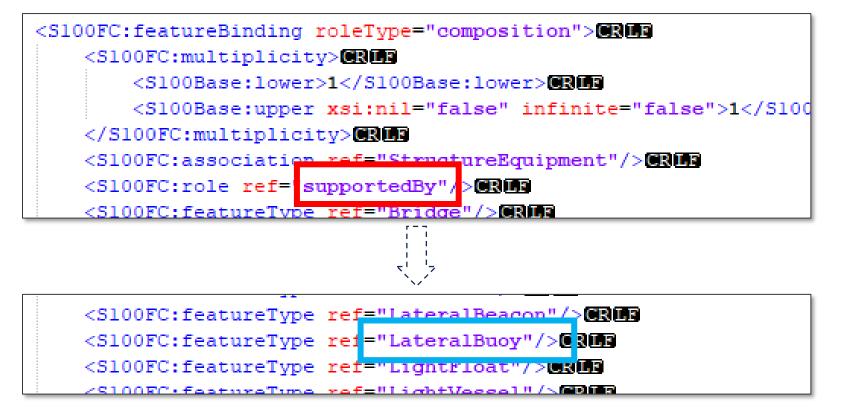


Example: Light All Around Structure Equipment association





Example: Light All Around Structure Equipment association



Interpreted as: Lateral Buoy supported by Light All Around. ERROR: role is inverted!

Correct role: Lateral Buoy supports Light All Around.



Conclusions and recommendations

The S-101PT is invited to:

- Note this paper.
- Discuss the paper.
- Take action to correct the errors and update S-101 accordingly.



Thank You

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