

**IALA S-201**

**Product Specification**

**Edition 1.1.0 – October 2022**

IALA AtoN Product Specification

**ANNEX F**

The conversion rules set out below, is made with the anticipation that the S-57 converted objects are for use in creating S-57 ENC datasets. Data in attributes that are not considered relevant safe navigation using S-57 ENC are generally deleted in the S-57 output.

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| S-201 Feature class | | S-57 Object class | |
| AidsToNavigation (abstract) | | Applies to the following object classes; BCNLAT, BCNCAR, BCNISD, BCNSAW, BCNSPP, BOYCAR, BOYINB, BOYISD, BOYLAT, BOYSAW, BOYSPP, DAYMAR, FOGSIG, LNDMRK, LIGHTS, LITFLT, LITVES, OFSPLF, NAVLNE, PILPNT, RADRFL, RDOSTA, RECTRC, RETRFL, SILTNK, NEWOBJ, TOPMAR | |
| Attribute | Comment | Attribute | Comment |
| AtoNMaintenanceRecord | S-201 attribute for equipment management. Not relevant for navigation. |  | Ignore |
| textualDescriptionInNationalLanguage | Adopted from S-57 | NTXTDS | Copy verbatim |
| textualDescription | Adopted from S-57 | TXTDES | Copy verbatim |
| sourceIndication | Adopted from S-57 | SORIND | Copy verbatim |
| sourceDate | Adopted from S-57 | SORDAT | Copy verbatim |
| idCode | S-201 attribute for carrying a GUID |  | Copy to INFORM |
| information | Adopted from S-57 | INFORM | Copy verbatim |
| informationInNationalLanguage | Adopted from S-57 | NINFOM | Copy verbatim |
| inspectionFrequency | S-201 attribute for equipment management. Not relevant for navigation. |  | Ignore |
| inspectionRequirements | S-201 attribute for equipment management. Not relevant for navigation. |  | Ignore |
| pictorialRepresentation | Adopted from S-57 | PICREP | Copy verbatim |
| installationDate | S-201 attribute for equipment management. Not relevant for navigation. |  | Ignore |
| dateStart |  | DATSTA | Copy verbatim |
| dateEnd |  | DATEND | Copy verbatim |
| periodStart |  | PERSTA | Copy verbatim |
| periodEnd |  | PEREND | Copy verbatim |
| ScaleMinimum |  | SCAMIN | Copy verbatim |
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| S-201 Feature class | | S-57 Object class | |
| Equipment (abstract) | | Applies to the following object classes; FOGSIG, LIGHTS, TOPMAR, RETRFL, RADRFL, DAYMAR, RDOSTA, RTPBCN | |
| Attribute | Comment | Attribute | Comment |
| remoteMonitoringSystem | S-201 attribute for equipment management. Not relevant for navigation. |  | Ignore |
| remotelyMonitored | S-201 attribute for equipment management. Not relevant for navigation. |  | ignore |
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| S-201 Feature class | | S-57 Object class | |
| StructureObject (abstract) | | Applies to the following object classes; BCNLAT, BCNCAR, BCNISD, BCNSAW, BCNSPP, BOYCAR, BOYINB, BOYISD, BOYLAT, BOYSAW, BOYSPP, LNDMRK, LITFLT, LITVES, OFSPLF, NAVLNE, PILPNT, RECTRC, SILTNK, NEWOBJ | |
| Attribute | Comment | Attribute | Comment |
| aidAvailabilityCategory | S-201 attribute for expressing Aid significance in national navigation system. |  | Ignore |
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| S-201 Feature class | | S-57 Object class | |
| GenericBeacon (abstract) | | Applies to the following object classes; BOYCAR, BOYINB, BOYISD, BOYLAT, BOYSAW, BOYSPP | |
| Attribute | Comment | Attribute | Comment |
| beaconShape |  | BCNSHP | Use enumeration cross reference |
| colour |  | COLOUR | Use enumeration cross reference |
| colourPattern |  | COLPAT | Use enumeration cross reference |
| condition |  | CONDTN | Use enumeration cross reference |
| marksNavigationalSystemOf |  | MARSYS | Use enumeration cross reference |
| natureOfConstruction |  | NATCON | Use enumeration cross reference |
| radarConspicuous |  | CONRAD | Use enumeration cross reference |
| verticalLength |  | VERLEN | Use enumeration cross reference |
| verticalAccuracy |  | VERACC | Use enumeration cross reference |
| height |  | HEIGHT | Copy verbatim |
| elevation |  | ELEVAT | Copy verbatim |
| status |  | STATUS | Use enumeration cross reference |
| objectName |  | OBJNAM | Copy verbatim |
| objectNameInNationalLanguage |  | NOBJNM | Copy verbatim |
| visuallyConspicuous |  | CONVIS | Use enumeration cross reference |
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| S-201 Feature class | | S-57 Object class | |
| GenericBuoy (abstract) | | Applies to the following object classes; BOYCAR, BOYINB, BOYISD, BOYLAT, BOYSAW, BOYSPP, | |
| Attribute | Comment | Attribute | Comment |
| buoyShape |  |  |  |
| colour |  |  |  |
| colourPattern |  |  |  |
| marksNavigationalSystemOf |  |  |  |
| natureOfconstuction |  |  |  |
| radarConspicious |  |  |  |
| verticalAccuracy |  |  |  |
| verticalLength |  |  |  |
| status |  |  |  |
| objectNameInNationalLanguage |  |  |  |
| typeOfBuoy |  |  |  |
| objectName |  |  |  |

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| S-201 Feature class | | S-57 Object class | |
| FogSignal | | FOGSIG | |
| Attribute | Comment | Attribute | Comment |
| categoryOfFogSignal |  |  |  |
| valueOfMaximumRange |  |  |  |
| typeOfBattery |  |  |  |
| status |  |  |  |
| signalSequence |  |  |  |
| signalPeriod |  |  |  |
| signalOutput |  |  |  |
| signalGroup |  |  |  |
| signalGeneration |  |  |  |
| signalFrequency |  |  |  |
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| S-201 enumeration attribute | | S-57 enumeration attribute | |
| beaconShape | | BCNSHP | |
| Value | Comment | Value | Comment |
| stake, pole, perch, post |  | 1 |  |
| withy |  | 2 |  |
| buoyant beacon |  | 7 |  |
| cairn |  | 6 |  |
| pile beacon |  | 5 |  |
| lattice beacon |  | 4 |  |
| beacon tower |  | 3 |  |