**Introduction**

The IHO Publication S-164 comprises an Instruction Manual and numerous test datasets. These are provided to aid development and enable testing of S-100 ECDIS for conformance with IEC 61174.

The current release of S-164 is : **V4.1.61**

The S-164 test dataset contain the following:

1. Exchange sets for the testing of S-100 based ECDIS. These comprise both encrypted and unencrypted exchange sets with a mixture of S-100 data
2. Exchange sets for testing S-57 implementation of ECDIS
3. Exchange sets for testing the Dual Fuel mode of S-100 ECDIS.

**Versions**

S-164 is conformant with the following component standards and version numbers. Reference images contained in the S-164 user manual conform to the versions of the PC stated in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Framework Standards** | **Version** |  |  |
| S-100 | Edition 5.0.0 (Sep 2022) |  |  |
| S-98 | Edition 1.0.0 (March 2022)  |  |  |
| **Product Specifications** |  | FC | PC |
| S-128 |  |  |  |
| S-101 (+DCEG?) | 1.1.0 | 1.1.0 | 1.1.0 |
| S-102 |  |  |  |
| S-104 |  |  |  |
| S-111 |  |  |  |
| S-124 |  |  |  |
| S-129 |  |  |  |

**Downloads**

The S-164 Edition *4.1.61* is available from:

* [S-164 Instruction Manual]
* [S-164 Test datasets (.zip)]

**Additional Resources.**

The following additional resources are available for implementers of the S-100 standard and its component product specifications within S-100 ECDIS.

|  |  |
| --- | --- |
| *[S-101 Test Datasets]* | Comprehensive test datasets and resources for S-101 implementers. |
| *IHO S-100 Pages* |  |
| *IHO Registry etc…* |  |
| *S-100 Schemas* |  |

**Feedback and Enquiries**

Questions and Feedback may be sent to s164@iho.int