General comments:

- For display parameters, sometimes On/Off explicitly specified in the table while others are blank: On/Off has been systematically specified.

- The placement of test parameters/settings is inconsistent; some have the table filled out, sometimes it can be in any of ‘Setup’, ‘Action’, or ‘Results’ sections. The manual is being reviewed to make it consistent.

- Many test Results still using screenshots from S-64 test manual. Systematic review in progress to create S-100 screenshots.

### 2.2.1

Exchange set to load not specified: Applied.

‘InitialPowerUp’ vs ‘PowerUp’: PowerUp retained (refer to JP’s comment in <https://github.com/iho-ohi/S-164-Sub-Group/issues/40>). Consequently, datasets need to be renamed from

Using charts from ‘InitialPowerUp’

Chart 10100AA\_X0000, 1:50000

A map of the ocean

AI-generated content may be incorrect.

Chart is missing a lot of spot soundings; very few compared to expected: Agree, Chart 10100AA\_X0000 has been edited from S-64 GB4X0000 and screenshot updated. Comment added in the document.

After loading 10100AA\_X01NW, 1:20000, centered on own ship (the coordinates given in the table)

A map of the ocean

AI-generated content may be incorrect.

### 2.2.2

'PowerUp' exchange set only includes 101\* files: Yes. This is OK as non ENC datasets are considered in later sections.

Differences from table in expected results noted below in bold/red: Applied

| ENC | Edition  (EDTN) | **Current to Update Number** | **Update Issue Date** | Issue Date  (ISDT) |
| --- | --- | --- | --- | --- |
| 10100AA\_X0000.000 | **7** | 0 | **N/A** | **22 Apr 2018** |
| 10100AA\_X01NE.000 | **5** | 0 | **N/A** | **22 Apr 2018** |
| 10100AA\_X01NW.000 | **3** | 0 | **N/A** | **22 Apr 2018** |
| 101**00AA\_**X01SE.000 | **3** | 0 | **N/A** | **22 Apr 2018** |
| 101**00AA\_**X01SW.000 | **3** | 0 | **N/A** | **22 Apr 2018** |
| 101**00AA\_**X02SE.000 | **4** | 0 | **N/A** | **22 Apr 2018** |

### 2.2.3

Test 'PowerUp' is 2.2.2, not 2.1.2: Agree, see line below

May only need the test reference, not the section number: Agree, all instances of “As for test xxx” have been reviewed to quote the test name but not the section number.

### 2.2.5

CorruptData exchange set only contains 10100AA\_X02SE chart: Applied

Test may be incomplete based on comments in ‘Results’: comment added to state that non-ENC data should be considered in section 2.11.

### 2.3.1

No 'CorruptUpdates' exchange set available: Comment added in the Manual.

### 2.3.2

“*edition number and date of involved;*” -> typo in Results: Comment added in the Manual.

- in S-64, this was “date of cell”; possibly should be “date of dataset” here: This is suggested in the comment.

10100AA\_X01SW chart (from PowerUp set) does not have the Accuracy pattern: Agree. Comment added in the Manual.

A map of the ocean

AI-generated content may be incorrect.

Errors about wrong edition encountered after attempting to install SequentialUpdate1

- could be due to incorrect editions as identified earlier, would require test data to have the correct expected editions: Agree - Comment added in the Manual.

Date range for .001 in 'Setup' section is in May 2011, but in ‘Results’:

“*After loading of 101AA00X01SW.001, displayed scale 1:20 000, date range include 9thMay* ***2021***”

- assumption was the year 2011 is expected: date changed to 2011

### 2.3.3

Same errors as 2.3.2: Applied

In ‘Results’: "...when this chart is in use..." -> which chart? I guess it is *10100AA\_X01SW (added).*

### 2.3.4

Setup asks for Edition 1 (from 2.2.3), but 10100AA\_X01SW that was installed (from ‘PowerUp’ set) shows Edition Number 3: Edition number should be 1. Comment added in the manual.

No error indicating there is a newer edition; Wrong Edition error is shown

- as noted earlier, the edition of the actual charts are different from expected. Comment added in the manual.

Chart from 'GoodBaseCells' is Edition 1, expected is Edition 2. Comment added in the manual.

When trying to install update from 'NewUpdate' set, there is ‘Wrong Edition’ error, and ‘Notice: New Edition: 2’; update unsuccessful. Surely due to the above error in the dataset edition number.

### 2.3.5

Test description looks incomplete. Agree, needs to be developed along with datasets and screenshots.

### 2.3.6

‘GoodBaseCells’ and ‘OldUpdate’ sets only contained one chart; no S-124: reference to S-124 datasets deleted (Non ENC datasets are considered in 2.11).

Chart 10100AA\_X01SW from ‘GoodBaseCells’ is still Edition 1; 'Setup' asks for Edition 2. ???

### 2.3.7

No 'ReIssue\*\*\*' exchange sets available: Comment added in the Manual.

### 2.3.8

Chart from 'PowerUp' set is Edition 3; expected is Edition 1. Agree, Comment added in the Manual.

### 2.9.x

Test data sets not available. Agree, Comment added in the Manual.

References "previous test 2.5.7", but no such section in S-164: “2.5.7c” comes from S-64. Agree. “2.5.7c” changed to: “ProviderChange”.

- In S-64, it was 2.5.7 ENC Data Management, which would be 2.8 in S-164; 2.8 still has multiple test sections, so not sure which test reference is being referenced here. Agree, Comment added in the Manual.

### 2.9.4

'Setup' mentioned DataManagementG1 to \*G3 as exchange sets, and \*G4 as update set

Results: "DataManagementG1, DataManagementG2 and **DataManagementG4** should load without error. However when loading **DataManagementG4** the system..."

Assumption is one of the DataManagement**G4** could be **G3. Agree. Change G4 to G3.**

### 2.9.5

Test description: “*This test verifies the ECDIS can update files which support*”. Agree. Changed to “*This test verifies the ECDIS can update files which support datasets.”*

Test description seems unclear; section appears to be about support files.

‘Action’ or ‘Results’ asks to view updated note content; they should also include contents prior to update (or instructions to do so) ???

TXTDSC should be updated to fileReference ???

2.9.6

Test looks incomplete. Agree, Comment added in the Manual.

### 2.11.x

Tests look incomplete. Agree, Comment added in the Manual.

### 3.2.1

Formatting of setup table at beginning of section looks odd. Agree. The table has been reformatted.

Base Display; Viewing at 1:80000. Applied.

A screenshot of a video game

AI-generated content may be incorrect.

A few missing symbols compared to expected Result, but querying those features showed they belong in a different viewing group not included in Base display

- suggest to update ‘Results’ with corrected screenshot. Agree. Comment added in the manual.

### 3.2.2

Viewing at 1:70000

A screenshot of a video game

AI-generated content may be incorrect.

Additional symbols displayed; these should be expected based on feature attributes and checking rule file. Comment added in the manual.

Viewing at 1:20000

A blue background with squares

AI-generated content may be incorrect.

All boxes are drawn around the arrows

S-164 screenshot is using ‘Plain Boundaries’, but that was set to OFF at the beginning of the test section

- test section should have additional instruction to change it, or update screenshot in ‘Results’. Comment added in the manual.

### 3.2.3

A screenshot of a video game

AI-generated content may be incorrect.

Land area on top right has additional symbols compared to screenshot in ‘Results’; this seems to be as expected, and the same symbols are actually present in a later expected Result. Agree. Comment added in the manual.

Viewing at 1:20000

A screenshot of a video game

AI-generated content may be incorrect.

Boundary for the area feature in the water should have the triangles inverted (outside to in). Agree. Comment added in the manual.

After changing to Display Base

A screenshot of a video game

AI-generated content may be incorrect.

Two symbols still present top right, suggest to do one of the following:

- the screenshot in the ‘Results’ should be updated

- the features should be updated to be included in a different Viewing Group that does not belong to Base display

Agree. Comment added in the document.

### 3.2.4

Action: “*switch on only the “****Buoys, beacons, aids to navigation****” control*”

A screenshot of a video game

AI-generated content may be incorrect.

This screenshot has both ‘Buoys, beacons, structures’ and ‘Lights’ viewing groups enabled

“**Buoys, beacons, aids to navigations**” includes the two separate Viewing Groups according to table in this test section, but the screenshot in S-164 does not seem to include ‘Lights’ (and there is a separate ‘Action’ for just ‘Lights’ viewing group)

- suggest for this step to specifically ask for only ‘Buoys, beacons, structures’ OR update the screenshot to include Lights. Agree. Comment added in the document.

Additional symbols present on land; as noted in earlier section, it seems these should be expected

In previous section 3.2.2 Standard Display, the V-AIS feature appeared in S-164 expected Result screenshot; but it does not appear in this section, maybe an update needed to expected Result. Agree. Comment added in the document.

### 3.2.5

As commented in 3.2.3, there are additional symbols top right area; they are present when testing ‘Miscellaneous’ viewing group in this section. Agree. Comment added in the document.

### 3.2.6

Chart 10100AA\_DBASE :

Action: “*switch on only the “****Important Text****” control*”

A screenshot of a video game

AI-generated content may be incorrect.

“dredged to 50m” text is now only “50m”; the rule file for the Dredged Area had a comment stating that ‘dredged to’ was removed. Agree

Bottom left on land has additional text. Agree

- expected image in ‘Results’ should be updated. Agree

Chart 10100AA\_STNDR; Display Mode Other

Action: “*switch on only the “****Other Text****” control*”

A screenshot of a video game

AI-generated content may be incorrect.

Additional text top right “Fl2 W 5”. Agree

### 3.3.1

#### InvalidFeaturesA

No ‘InvalidFeatures’ exchange set available; there is ‘InvalidObjects’. Agree. Comment to changed the dataset name.

Setup asks for dataset 101AA00INVOB, actual is 101AA003INVOB.000

- update needed to test data to match the manual (or vice-versa); assumption is ‘InvalidFeatures’ should be the correct name for exchange set

No screenshots provided in ‘Results’

Viewing at 1:50000

A screenshot of a video game

AI-generated content may be incorrect.

#### InvalidFeaturesB

No ‘InvalidFeatures’ exchange set available; there is ‘InvalidObjects’

‘Setup’ asks for following exchange sets and datasets:

“- InvalidFeatures (10100AA\_X01NE.000)

- PowerUp (10100AA\_X0000.000)”

Missing chart 10100AA\_X01NE in ‘InvalidFeatures’ exchange set

S-64 test data had a X01NE chart in ‘Invalid Objects’ folder; a modified copy that contains invalid objects and attributes that would not be present from the good copy

No screenshots given for comparison

### 3.4

#### InvalidFeaturesPickA

No section “3.2.1 a)”

Assumption is this should be referring to section 3.3.1, Test Reference InvalidFeaturesA

If assumption is correct, then the coordinates are wrong; the features are located at:

39° 29.000’ N 104° 44.000’ W

39° 29.000’ N 104° 42.500’ W

39° 29.000’ N 104° 40.500’ W

The features are all Unknown objects

The expected attributes from ‘Results’ are not available, update to test data may be needed

#### InvalidFeaturesPickB

No section “3.2.1 b)” -> assumption is 3.3.1, Test Reference InvalidFeaturesB

Chart 10100AA\_X01NE.000 from ‘InvalidObjects’ exchange set is not available

#### InvalidFeaturesPickC

Assumption is “3.2.1 a)” should be Test Reference InvalidFeaturesA

Given coordinates are locations of the Unknown objects; the same features that were already queried in test InvalidFeaturesPickA

Queried features along the second row below “Invalid Attributes” text, at coordinates:

39° 27.000’ N 104° 44.000’ W

39° 27.000’ N 104° 42.500’ W

39° 27.000’ N 104° 40.500’ W

Test manual should be updated to have the correct coordinates

The features did not have any invalid attributes; example below

A screenshot of a computer

AI-generated content may be incorrect.

There are some features further east that do seem to have invalid attributes

A computer screen shot of a blue screen

AI-generated content may be incorrect.

Test data may need to be updated, to have all features along the second row to have invalid attributes

#### InvalidFeaturesPickD

Assumption is “3.2.1 b)” should be test reference InvalidFeaturesB

Chart 10100AA\_X01NE from ‘InvalidObjects’ exchange set is not available

### 3.5.1

#### SimplifiedSymbolsFalse

DisplayOther is listed under Exchange Set Name in the table but is not used in test

In ‘Setup’, the exchange set to load is not specified

Chart 10100AA\_X0001.000 is in ‘Settings’ exchange set

#### SimplifiedSymbolsTrue

‘Setup’ references “3.3.1 a)”, assumption is it refers to Test Reference SimplifiedSymbolsFalse (the test prior to this)

### 3.5.2

#### PlainBoundaries

Exchange set to load is not specified

Chart 10100AA\_X0001.000 is in ‘Settings’ exchange set

#### Symbolisedboundaries

Context Parameters should indicate ‘Plain Boundaries’ Off

‘Setup’ references “3.3.2 a)”, should be PlainBoundaries (the test prior to this)

### 3.6.1

#### DateDependentFeatures1

In the table, Exchange Set Name lists ‘DisplayOther’ but that is not mentioned in subsequent tests

“*Load the exchange set with the above privided settings*”

Exchange set and chart not specified; should be chart 10100AA\_X0001 from ‘Settings’ set

Typo, “privided” -> provided

Simplified Symbols is indicated as ON in the table, but should be OFF to match screenshots given in ‘Results’

#### DateDependentFeatures2

Simplified Symbols is indicated ON in the table, but should be OFF to match screenshots given in ‘Results’

*\*Note: the provided coordinates where the display should be centered is the LEFT box in the images below\**

If viewing date is set to 2022-Feb-18 as specified in S-164 steps, the expected feature in the screenshot from ‘Results’ is not displayed

A couple of rectangular shapes

AI-generated content may be incorrect.

If year is set to 2012 instead of 2022 (this is the year used in equivalent section from S-64 tests), a different feature is displayed in the left box, but it still does not match the expected result

A screenshot of a computer screen

AI-generated content may be incorrect.

If viewing date is set to current date (2025-May-16 at time of writing), the expected feature is displayed in the box on the RIGHT

A screenshot of a computer game

AI-generated content may be incorrect.

However, the current date was already tested in *DateDependentFeatures1* and as noted earlier, the specified coordinates would center the display to the box on the left

After comparing with the equivalent test section from S-64, and given the three attempts above, current assumptions are as follows:

1) the second example above seems to be what is expected from this section  
1) the screenshot in ‘Results’ should be updated

2) the test data may need an update so the expected feature is still visible when the Viewing Date is set to year 2022

#### DateDependentFeatures3

*\*Note: the provided coordinates where the display should be centered is the LEFT box in the images below\**

If the viewing date is set to the specified range in ‘Setup’, the expected features from ‘Results’ are shown in the box on the RIGHT

A screenshot of a computer

AI-generated content may be incorrect.

But as noted earlier, the given coordinates in this section where the display should be centered is the LEFT box

If the viewing date range is set in the year 2012 instead of 2022, the two expected features are shown in the box on the left

A screenshot of a computer

AI-generated content may be incorrect.

After comparing with the equivalent test section from S-64, and given the two attempts above, current assumptions are as follows:

1) the second example above seems to be what is expected from this section  
2) the screenshot in ‘Results’ should be updated

3) the test data may need an update so the expected features are still visible when the viewing date range is set in the year 2022

#### DateDependentFeatures4

‘Action’ refers to 3.3.3.1 a) -> DateDependentFeatures1

Have to set date range to year 2012 instead of 2022 in order for the expected features to be displayed

- test data should be updated so the expected features are visible when the year is set to 2022, as asked by the S-164 test manual (this has also been noted in earlier tests)

Viewing at 1:10000

A screenshot of a computer

AI-generated content may be incorrect.

The image in S-164 ‘Results’ should be updated to have correct symbol appearance

### 3.6.2

#### PeriodicDateRange1

Test Description, Setup, and Action should be updated, it looks copied from previous test DateDependentFeatures4 and involves route checking

- ‘Results’ does not ask for anything related to routes

Simplified Symbols should be OFF in the table

The equivalent S-64 section asks to set viewing date to 01.11.2013, then gives coordinates to center the display on the RIGHT box below

32°36.450’S 61°21.900’E

A close-up of a screen

AI-generated content may be incorrect.

Assumptions are as follows:

- test section details needs to be updated since it currently asks for route checking

- test should be similar to the equivalent S-64 test section, asking to set a viewing date and provide coordinates to center the display

#### PeriodicDateRange2

The image in ‘Results’ is the same from the previous test PeriodicDateRange1

A screenshot of a video game

AI-generated content may be incorrect.

The equivalent S-64 section (3.3.3.2 b) asked to set the viewing date to 18.03.2013

After following the S-64 section and setting the viewing date, a different feature will be visible at the specified coordinates to center the display on

A screenshot of a video game

AI-generated content may be incorrect.

Assumptions are as follows:

- this test section should be updated to be more similar to the equivalent S-64 section

- it seems like the details in this section should actually be in the previous test PeriodicDateRange1

#### PeriodicDateRange3

The date range is in the ‘Date Dependent Objects’ section of the table, unlike the previous tests where it was specified in ‘Setup’

- location of instructions should be consistent across similar test sections

#### PeriodicDateRange4

A screenshot of a computer

AI-generated content may be incorrect.

The image in ‘Results’ should be updated to have correct symbol appearance

### 3.6.3

#### FixedDateRange1

In the ‘Display’ section of the table, 1:10000 is given, but ‘Action’ asks to zoom in to 1:20000

- instructions should be consistent

- the screenshot in this section appears to be viewed at 1:10000

#### FixedDateRange2

‘3.3.3.3 a)’ should be ‘FixedDateRange1’

The screenshot in ‘Results’ look the same as in test FixedDateRange1

The equivalent S-64 section asked to set the viewing date to 30.11.2013 (instead of 2023)

Following the old S-64 section will show a different set of features, located slightly north of the features seen in test FixedDateRange1

A screenshot of a computer

AI-generated content may be incorrect.

Suggest the following:

- test manual should be updated to have correct screenshot in ‘Results’

- test data should be updated so that the new dates/date ranges in year 2023 will work instead of having to follow the old S-64 test sections

#### FixedDateRange3

The screenshot in ‘Results’ look same as in the previous two tests

In S-64 equivalent section, it looks like there are two sets of features in image

If the date range is set to year 2013 instead of 2023, two sets of features are displayed

A screenshot of a computer

AI-generated content may be incorrect.

Assumptions/suggestions as follows:

- it is expected to have the two sets of features displayed; as such, the screenshot in ‘Results’ should be corrected

- test data should be updated so the expected features will be visible when setting the viewing date range to year 2023 (as specified in S-164 test manual)

#### FixedDateRange4

If following the test steps to set cross track distance of 0.20 NM, the highlighted area is larger than expected compared to the screenshot in ‘Results’

A screenshot of a computer

AI-generated content may be incorrect.

If the cross track distance is set to a smaller 0.02 NM, the highlighted area will look similar to the screenshot in ‘Results’

A screenshot of a computer

AI-generated content may be incorrect.

Either one of the following should be updated:

- test step details in ‘Action’ should be corrected to specify 0.02 NM cross track distance to match the smaller highlighted area in the screenshot provided in ‘Results’

- the screenshot in ‘Results’ should be updated to have a larger area highlighted to match the 0.20 NM cross track distance that the user is asked to set

For reference, the equivalent S-64 section (3.3.3.3 d) asked to set the cross track distance to 0.20NM

### 3.1.1

In the table, the ‘Exchange Set Name’ section mentions DisplayBase but this does not appear to be used at all in any of the tests

- the tests are done using charts from the PowerUp exchange set

Chart 10100AA\_X0000 compilation scale is 1:45000, while test manual says to view at 1:52000 (this is the same scale value used in the old S-64 tests)

- test data or test manual should be updated to correct scale

### 3.6.4

Test looks incomplete; S-102 and S-104 test data not available

### 3.2.1

Multiple sections use the same Test Reference ‘SafetyDepth’

- test manual should be updated so they are numbered (eg. SafetyDepth1, SafetyDepth2, etc.)

Image below is taken with:

- all charts from PowerUp exchange set loaded

- Safety Depth = 10m

- Spot Soundings turned on

A map of the ocean

AI-generated content may be incorrect.

Comments:

- chart 10100AA\_X0000 does not have many soundings, test data should be updated if there should be more soundings OR screenshots in test manual should be updated if current state is expected

- assumption was to load all charts from exchange set PowerUp, but the old S-64 test section only asked to load one chart (X0000); display may look different due to which charts are loaded, suggest to update test steps or the screenshot in test ‘Results’

### 3.6.5

Spot Soundings should not be indicated ON in the table

- alternatively, if that is intended, then screenshot in ‘Results’ should be updated

### 3.6.6

Shallow Pattern and Spot Soundings should not be ON in the table

- if that is intended, screenshot in ‘Results’ should be updated

### 3.6.7

#### ColourPalettes1

Options ask to enable ‘Shallow Pattern’ and ‘Spot Soundings’ but not shown in Results image; test Setup or Results should be updated; equivalent S-64 section only had Shallow Pattern

Shallow Pattern and Spot Soundings are ON in the table but not shown in any of the screenshots

- these should be indicated OFF instead, or if it is intended to be turned on then screenshots should be updated

### 3.6.8

#### AdditionalInformation1

A screenshot of a computer game

AI-generated content may be incorrect.

Screenshot in ‘Results’ appears to be missing the feature on the land area

- should be updated to include it

- note: this feature is present in the screenshots of later Results

A screenshot of a computer

AI-generated content may be incorrect.

Screenshot in ‘Results’ looks to have been taken with a different language display

- screenshot may need to be updated to use the default language

#### AdditionalInformation3

“test 3.3.9 a)” should be updated to use test reference *AdditionalInformation1* instead of old section number from S-64

Table should have ‘Highlight document’ indicated ON, and ‘Highlight info’ indicated OFF

- ‘Setup’ section also specifically asks to set Highlight document

A screenshot of a computer game

AI-generated content may be incorrect.

The text “ch[67];” is no longer present

- screenshot in ‘Results’ should be updated (it looks like it is still same from S-64)

### 3.6.9

Image should be viewed in Display Base, with Spot Soundings turned on

- test manual should be updated to specify Display Base somewhere in Setup (or the table)

Image below is with:

- all charts from PowerUp exchange set are loaded

- Display Base, and spot soundings turned on

- Scale Minimum is disabled/ignored

A map of the world

AI-generated content may be incorrect.

Distribution of soundings does not match screenshot in expected ‘Results’

Comments/assumptions below:

- the screenshot looks to be copied from S-64, so it may need to be updated

- the instructions in this section asked to “*Load the exchange set PowerUp*”; the equivalent section from old S-64 only asked to load one chart; suggest to update S-164 test manual (steps and/or results) since loading certain charts will affect the location and density of the soundings

- the chart 10100AA\_X0000 does not have many soundings, so the display will not match the screenshots in ‘Results’; suggest to update test data so the chart has the soundings as expected

### 3.6.10

Image should be viewed in Display Base, with Lights turned on

- test manual should be updated to specify Display Base somewhere in Setup (or the table)

- Spot Soundings should be indicated OFF in the table

Image below is with:

- all charts from PowerUp exchange set are loaded

- Display Base, and Lights turned on

A map of the world

AI-generated content may be incorrect.

Some extra lights on left area; depends on if X01SW and X01NW are loaded or not

Comments/assumptions below:

- the screenshot looks to be copied from S-64, so it may need to be updated

- the instructions in this section asked to “*Load the exchange set PowerUp*”; the equivalent section from old S-64 only asked to load one chart; suggest to update S-164 test manual (steps and/or results) since loading certain charts will affect which lights are displayed (ex. extra lights)

### 3.6.11

S-164 asks to set language to “fra”; assuming French, no option available

Changing Language to Norwegian gives expected result; feature only has two languages

A screenshot of a computer

AI-generated content may be incorrect.

The feature has names in English and Norwegian

- suggest to update test manual, it should ask to change language to “nor” instead of “fra”

### 3.6.1

Chart not available

There are two ‘Setup’ sections, each one asking for different charts; one of the charts it asks for looks copied from S-64, it is still using the old name:

“*Load the exchange set* ***DisplayPriorities1*** *(101AA002J5X0001.000 )*”

vs

“*Load the following cell 3.3 Settings\ENC\_ROOT\GB4X0001.000*”

Suggest to update test manual with correct chart/dataset names, and possibly to only have one ‘Setup’ section

### 3.7.1

Required chart/dataset not available

### 3.7.4

Chart not available

### 3.7.5

Chart not available

### 3.7.6

Chart not available

### 3.6.14

Chart not available

### 3.6.15

Test incomplete

### 3.7.7

Chart not available

### 3.7.8

#### CentredSymbols1

The multiple Action/Results sections should have their own separate sections (like in S-64)

Action 4

“***Display of centred symbols when area is partially off screen***”

If display is centered on the given coordinates, the entire area is on screen and not partially off screen

Assumption is to center the display further away

- test manual should be updated

Image below is taken with the display centered on coordinates 32°32.805’S 61° 18.460’E

A grey background with dots

AI-generated content may be incorrect.

### 3.8.1

The two Action/Results sections should have their own distinct separate sections (i.e. with separate Test Reference, Setup, etc.)

The settings for the test (eg. safety depth, Display category, etc.) is placed in the ‘Results’ section

- test manual should be updated to have these located in the ‘Setup’ and/or to have the table filled in

### 3.8.2

In ‘Action’, it is still using the chart name from the old S-64 test data: “*Select the smaller scale dataset (GB4X0000.000)*”

- test manual should use updated chart name 10100AA\_X0000

### 3.8.3

optimumDisplayScale of the two areas do not meet the criteria for displaying the chart boundary line (according to S98)

A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

Test data should be updated so the two areas will have different optimumDisplayScale values

### 3.8.4

#### DifferentScale1

Screenshot looks to be same as the one from S-64

- should be updated

### 3.8.5

Test may be incomplete; no S-102 or S-104 test data provided

### 3.8.7

Test step says to set Symbolized Boundaries, but the screenshot in ‘Results’ is using Plain Boundaries

- either test step or the screenshot should be updated to be consistent with each other

Images below are taken using Symbolized Boundaries as specified by the test steps

Viewing at 1:90000

A screenshot of a game

AI-generated content may be incorrect.

No screenshot was provided for #3 in ‘Results’

- test manual should be updated to have a screenshot showing expected features

Viewing at 1:180000 (2:1 scale)

A screenshot of a game

AI-generated content may be incorrect.

A screenshot of a video game

AI-generated content may be incorrect.

The screenshot in Results for #4 has different symbol for the buoy, and has different order of the features from top to bottom (compare location of grey/magenta areas with previous screenshots)

- test results should be updated so screenshots are consistent with each other

The page with Results looks like it was duplicated

- test manual should be updated to delete the extra page

### 3.9.1 to 3.9.4

Tests look incomplete; S-102 and S-104 test data not available

### 3.10

No overscale pattern shown; all charts have the same optimumDisplayScale

- test data should be updated, or screenshots in test results updated to not have overscale pattern

### 4.1

#### ModeOrientation2

In ‘Setup’, the specific ModeOrientation test should be referenced since there are multiple (1 to 3)

- assumption is this should be ModeOrientation1

### 4.3

#### FeatureInformation1

Coordinates were given for one example only: “*- buoy (for example buoy and light at 32°29.50’S 061°00.46’E);*”

- should other features also have examples?

#### FeatureInformation2

Referencing test 4.3 -> should be FeatureInformation1

#### FeatureInformation3

Referencing test 4.4 a) and 4.3 -> FeatureInformation1

#### FeatureInformation4

Referencing test 4.4 a) -> FeatureInformation1

#### FeatureInformation5

No ‘InvalidFeatures’ exchange set provided, there is ‘InvalidObjects’

A computer screen shot of a computer screen

AI-generated content may be incorrect.

b) Obstruction line feature has two attributes ‘Value of Sounding’ and ‘Water Level Effect’ that have no value

c) Boundary for Restricted Area feature is different

- test data should be updated, triangles should be inverted (facing inside instead of out)

d) Cardinal Buoy has different topmark arrows; it also has additional attributes: Colour, UnknownAtt2 (two instances), and TopMark

e) Cable Submarine has attribute UnkownAtt1

f) Silo/Tank has attribute UnknownAtt2

#### SupplementaryFile2

In Setup, “As for test *FeatureInformation*” should be referencing *FeatureInformation1*

The Caution Area has fileReference **10100AA**IECTMP.TXT

The test Results is expecting **101AA00**IECTMP.TXT, but also mentions **GB**IECTMP.TXT

In the folder PowerUp\S100\_ROOT\S-101\SUPPORT\_FILES, the file name is **101AA00**IECTMP.TXT

- test data and test manual should be updated so file names are consistent with each other

Same observation was made with other features that have files, there is a discrepancy between the file name seen when querying the feature and the actual file name in the folder