



**CAPACITY BUILDING SUB-COMMITTEE**

**PROCEDURE1**

Part 2

**SUBMISSION MODEL**

**IDENTIFICATION**

|                                          |                                                               |
|------------------------------------------|---------------------------------------------------------------|
| <b>Project Number</b>                    | (to be filled by CBSC)                                        |
| <b>Project Name</b>                      | S-100 Production Course (S-57 to S-100 Conversion)            |
| <b>Submitting RHC/ (priority)</b>        | MACHC                                                         |
| <b>Date of Submission</b>                | 11 April 2022                                                 |
| <b>Institution executing the project</b> | S-100 Production Teams / RENCs                                |
| <b>Name of responsible</b>               | Lucy Fieldhouse                                               |
| <b>Address</b>                           | UK Hydrographic Office<br>Admiralty Way<br>Taunton<br>TA1 1DN |
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**GENERAL SPECIFICATIONS**

(Please provide detailed information in Annex of no more than three pages)

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background information</b>       | The S-100 Universal Hydrographic Data Model developed by the IHO will cater for future demands for digital products and services. Established Hydrographic Offices who have been producing ENC's in S-57 will need to develop new production methods and processes to convert existing cells from S-57 to S-100 and will require upskilling of personnel to ensure that the quality of navigational products is maintained. Developing hydrographic offices who have not yet established ENC capability will require the training of personnel in the new standard as navigational products move to a more digital focus. |
| <b>Justification of the project</b> | Regional requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Countries involved</b>           | This Phase 3 activity will be open to IHO Member States from the MACHC and neighbouring Regional Hydrographic Commissions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Explanation of the problem</b>   | The development of the new S-100 Hydrographic Data Model requires Hydrographic Offices to equip their personnel with new skills to convert current S-57 ENC data to S-100. This shift to the new standard will require organizations to change                                                                                                                                                                                                                                                                                                                                                                            |

|                                                                                |                                                                                                                                                                                           |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                | their processes and procedures to ensure that products that are safe for navigation are produced.                                                                                         |
| <b>General objective</b>                                                       | To establish an awareness of and capability in converting S-57 data to S-100 to produce products that meet navigational requirements through instruction by S-100 Subject Matter Experts. |
| <b>Specific objectives</b>                                                     | Train personnel in S-57 to S-100 conversion and data capture.                                                                                                                             |
| <b>Outputs/Products</b>                                                        | To support IHO Member States with the upskilling of personnel to produce S-100 products in accordance with the IHO S-100 roadmap. Building of regional capability in S-100 production.    |
| <b>Other deliverables</b>                                                      |                                                                                                                                                                                           |
| <b>Achievements and awaited benefits</b>                                       | Improving maritime safety and compliance with SOLAS through the development of enhanced digital products and services.                                                                    |
| <b>Schedule of activities</b>                                                  | 5-day course with virtual additional delivery.                                                                                                                                            |
| <b>Past and/or current related projects supported by CBSC or other sources</b> |                                                                                                                                                                                           |

## RESOURCES

|                                                |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contribution by countries involved</b>      | Nil                                                                                                                                                                                                                                                                                                                                                       |
| <b>Contribution from other sources</b>         | Lecturers provided by RENCs and established S-100 producers                                                                                                                                                                                                                                                                                               |
| <b>Contribution requested from CBFund</b>      | €21,172                                                                                                                                                                                                                                                                                                                                                   |
| <b>Total Cost (euros)</b>                      | €21,172                                                                                                                                                                                                                                                                                                                                                   |
| <b>Breakdown of costs</b>                      | <p>Trainees x 10 (1 local)</p> <p>Flights 9 persons x € 600 €5,400<br/> Hotel 9 persons x 6 nights<br/> = 54 nights x € 200 €10,800<br/> Transport 9 persons x € 52 €468</p> <p>Trainers x2<br/> Flights 2 x € 1,000 € 2,000<br/> Hotel 2 persons x 6 nights<br/> = 12 nights x € 200 € 2,400<br/> Transport 2 persons x € 52 €104<br/> Total €21,172</p> |
| <b>a) From CBFund (item and amount)</b>        | Total cost: €21,172                                                                                                                                                                                                                                                                                                                                       |
| <b>b) From other parties (item and amount)</b> | Time of lecturers                                                                                                                                                                                                                                                                                                                                         |

**PROJECT SUMMARY**

| Sponsor RHC | Year of Execution | Country/ Countries involved                                                          | Priority/ Status | Project Name                                       | Project Objective                                                                                                                                                                         | Benefits                                                                                                               | Assistance required | Cost     | Allocation and Priority (to be filled by CBSC) | Contact Person                                                                                  |
|-------------|-------------------|--------------------------------------------------------------------------------------|------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------|----------|------------------------------------------------|-------------------------------------------------------------------------------------------------|
| MACHC       | 2023              | IHO Member States from the MACHC and neighbouring Regional Hydrographic Commissions. | 5                | S-100 Production Course (S-57 to S-100 Conversion) | To establish an awareness of and capability in converting S-57 data to S-100 to produce products that meet navigational requirements through instruction by S-100 Subject Matter Experts. | Improving maritime safety and compliance with SOLAS through the development of enhanced digital products and services. |                     | € 21,172 |                                                | Lucy Fieldhouse<br><a href="mailto:lucy.fieldhouse@ukho.gov.uk">lucy.fieldhouse@ukho.gov.uk</a> |

Name and Signature of the RHC Chairman.....



Renate Garcia Arruda  
Vice Admiral  
MACHC Chair