

Target Countries : Coastal countries and countries faced on an international rivers

Course No. : J1704043

No. : 1784552

Sector : Transportation/International/Inter-regional Transportation

Sub-Sector :

Language : English

Outline

Hydrographic chart is important infrastructure to secure the marine traffic for economic prosperity and to formulate the ocean policy. This course aims to enhance the capacity of hydrographic survey technique and utilization of hydrographic data. After completion this course, all participants are certified Internationally Accredited Category B designated by FIG/IHO/ICA.

| Objective/Outcome | | Target Organization / Group | |
|--|---|--|---|
| <p>【Objective】 To be certified International Accredited Category B after acquiring the hydrographic survey technique, and understand the utilization of hydrographic data.</p> <p>【Outcome】 1. To understand the theoretical concept, surveying and drafting technique for hydrography. 2. To be able to collect the necessary data from the field surveying for hydrography. 3. To be able to draft the smooth sheet based on the collected data. 4. To understand the utilization of hydrographic chart through using the tool such as GIS.</p> | | <p>【Target Organization】 Authorities responsible for hydrographic survey or nautical chart (hydrographic office, port authority, maritime bureau)</p> <p>【Target Group】 1) Employed in a target organization 2) At least two years of occupational experience in hydrographic survey 3) Have obtained credits for mathematics and physics at least on the level of Technical College or equivalent educational institution</p> | |
| Contents | | Course Period | 2017/06/26~2017/12/15 |
| <p>The curriculum is consist of lectures and field exercise described in below to acquire International Accredited Category B for Hydrographic Survey</p> <p>[Lecture] 1) Lecture on theoretical concept for hydrography (geodesy, tide, marine meteorology, underwater acoustics, statistics, etc.) 2) Lecture on practical technique for hydrography (electronic navigation chart, control point survey, GPS survey, photogrammetry and satellite image, sounding, map projection, cartography, tidal current, etc.) 3) Lecture on utilization of hydrographic chart (GIS, law of the sea, ocean policy, navigation, maritime affairs, maritime boundary delimitation, etc.)</p> <p>[Field Exercise] 1) On board exercise in the port to collect necessary data for hydrography 2) Drafting exercise of a smooth sheet based on the data from the on board exercise 3) GIS exercise to utilize hydrographic and nautical information</p> | | Department in Charge | Infrastructure and Peacebuilding Department |
| | | JICA Center | JICA Tokyo (Economy&Env.) |
| | | Cooperation Period | 2017~2019 |
| Implementing Partner | Japan Coast Guard, Japan Hydrographic Association | | |
| Remarks and Website | | | |