

法規名稱：(終)IMPLEMENTING ARRANGEMENT #1 PROVISION OF TRAINING SUPPORT FOR THE WSR-88D RADAR SYSTEM TO THE AGREEMENT FOR TECHNICAL COOPERATION IN SCIENTIFIC AND WEATHER TECHNOLOGY SYSTEMS SUPPORT BETWEEN THE TAIPEI ECONOMIC AND CULTURAL REPRESENTATIVE OFFICE IN THE U

終止日期：民國 86 年 12 月 31 日

ARTICLE I-SCOPE

This Implementing Arrangement describes the scientific and technical activities to be undertaken by the American Institute in Taiwan (AIT) and its representative, the Office of Systems Operations (OSO) of the National Weather Service (NWS) of the National Oceanic and Atmospheric Administration (NOAA). It provides for the provision of training support for the Weather Surveillance Radar (WSR-88D) system between the Central Weather Bureau (CWB) of Taiwan, the designated representative of the Taipei Economic and Cultural Representative Office in the United States (TECRO), and NOAA/NWS/OSO.

ARTICLE II-AUTHORIZATION

The activities described in this Implementing Arrangement will be carried out under the general terms and conditions established by the Agreement between TECRO and AIT for Technical Cooperation in Scientific and Weather Technology Systems Support. This Implementing Arrangement is hereby attached to that Agreement and becomes part of the Agreement.

ARTICLE III-SERVICES

The training support for the WSR-88D system is directed toward two general areas: training provided at NOAA facilities in the United States and training provided by NOAA personnel at overseas sites. New tasks related to training may be initiated once the installation of one or more WSR-88D systems in Taiwan has been accomplished. For the standard training courses offered by the NWS at its Kansas City, Missouri and Norman, Oklahoma training facilities, the training of NWS personnel will take preceden-

ce and the training of CWB personnel will be on a space-available basis. All training, both in the United States and in Taiwan will be conducted in English and all training material associated with the courses will be in the English language. The training support activities will include the following tasks.

Task #1-Provision of Operator Training to CWB Personnel

The WSR-88D Operations course is an 18 working day formal classroom and laboratory course that covers radar theory and operations and integrates current meteorological techniques and radar capabilities. The course is held at the Operational Support Facility in Norman, Oklahoma. Course topics include the following: product acquisition and display; principles of doppler weather radar; WSR-88D system operations; interpretation of Doppler velocity patterns; structure, evolution and radar depiction of convective storms; unit control position operations for Principal User Processors (PUP); base products; derived products; and precipitation algorithms and products.

Task #2 - Provision of Maintenance Training to CWB Personnel

The WSR-88D Maintenance Course is a 30 working day formal classroom and laboratory course that covers information required to perform routine radar maintenance. Course topics include: Doppler radar fundamentals; remote status monitoring; use of diagnostic software and test equipment to determine the problem source and verify correction; and corrective and preventative maintenance techniques. The course provides hands-on training in fault isolation, repair, and alignments. A precursor module must be completed by students in advance of the WSR-88D Maintenance Course. Materials for the precursor module are normally sent out 60 days in advance of a student's attendance but may be requested at any time.

Task #3-Provision of On-site Training to CWB Personnel by NOAA

The NWS will provide up to a ten working day refresher course to

CWB personnel. This course will take place in Taiwan. This course will cover those topics listed in Task #1 above that the CWB and NWS deem appropriate. It is recognized that this course is not equivalent in breadth of scope and depth of coverage to the courses discussed in Task #1 above. The on-site training will be provided as close to the WSR-88D acceptance date as is practicable. In preparation for this training, the NWS instructor will spend approximately three days on-site to set up and initialize the WSR-88D.

ARTICLE IV-FINANCIAL PROVISIONS

In accordance with the Agreement, TECRO will reimburse AIT for all costs incurred by AIT and its designated representative NOAA, in association with this Implementing Arrangement, including applicable NOAA/NWS overhead costs.

Estimated costs for this agreement are \$3500 per student for the operations course in Norman, Oklahoma, and \$4500 per student for the maintenance training course in Kansas City, Missouri. These costs include student guides, handouts, printed workbooks, videos, and computer based learning modules as well as the cost of classroom instruction. They do not include the cost of transportation, hotel accommodations, or per diem expenses. The cost of providing the on-site refresher course in Taiwan is estimated to be \$25,000. This estimate includes labor required to set up the radar and to prepare and teach two five day operations courses, (including applicable DOC/NOAA/NWS overhead charges), training materials, and transportation, hotel, and per diem costs for the instructor and for the NOAA focal point for establishing, implementing, and maintaining these agreements. All estimates are in U.S. dollars.

The total cost for activities described in this Implementing Arrangement is dependent on the number of students sent to the Kansas City and Norman courses. The costs for operator training (task #1) and maintenance training (task #2) will be transferred by TECRO within 30 days of completion of the training courses.



It is agreed that the cost of the on-site training course (task #3) will be transferred within 30 days of completion of the training.

ARTICLE V-EFFECTIVE DATE, AMENDMENT, AND TERMINATION

This Implementing Arrangement is effective on the date of the last signature hereafter. This Implementing Arrangement may be amended and/or terminated by either party in accordance with the terms of the Agreement. The estimated completion date for activities described in this Implementing Arrangement is December 31, 1997.

FOR THE TAIPEI ECONOMIC AND
CULTURAL REPRESENTATIVE
OFFICE IN THE UNITED STATES

[Signed]

Peter P.C. Cheng

November 5, 1997

Date

FOR THE AMERICAN INSTITUTE
IN TAIWAN

[Signed]

Barbara J. Schrage

10/22/97

Date