

法規名稱：(終)IMPLEMENTING ARRANGEMENT #13 CONTINUING DEVELOPMENT OF THE LOCAL ANALYSIS AND PREDICTION SYSTEM PURSUANT TO THE AGREEMENT BETWEEN THE TAIPEI ECONOMIC AND CULTURAL REPRESENTATIVE OFFICE IN THE UNITED STATES AND THE AMERICAN INSTITUTE IN TAIWAN FOR TECHNICAL COOPERATION IN METEOROLOGICAL AND FORECAST SYSTEMS DEVELOPMENT

終止日期：民國 90 年 12 月 19 日

Article I - Scope

This Implementing Arrangement describes the scientific and technical activities to be undertaken by the American Institute in Taiwan (AIT), through its designated representative, the Forecast Systems Laboratory (FSL) of the National Oceanic and Atmospheric Administration (NOAA), United States Department of Commerce . It provides for continuing development of the forecast system being developed by the Joint Forecast Systems Project. This project is a cooperative effort between AIT's designated representative, NOAA/FSL, and the Central Weather Bureau (CWB), the designated representative of the Taipei Economic and Cultural Representative Office in the United States (TECRO).

Article II - Authorities

The activities described in this Implementing Arrangement will be carried out under the general terms and conditions established by the Agreement Between the American Institute in Taiwan and the Taipei Economic and Cultural Representative Office in the United States for Technical Cooperation in Meteorology and Forecast Systems Development, and any subsequent revision as agreed to by the parties. This Implementing Arrangement is the thirteenth such arrangement under a succession of umbrella agreements between TECRO and AIT.

NOAA has authority to participate in the meteorology and forecast systems development project with AIT under:

A 15 U.S.C. §§1525-1526, the DOC Joint Project Authority, which provides that DOC may enter into joint projects with nonprofit , research, or public organizations on matters of mutual inte-

rest, the cost of which is equitably apportioned;

B 22 U.S.C. § 3301 et seq., the Taiwan Relation Act of April 10, 1979, Public law 96-8, which authorizes agencies of the United States Government to perform services for, and to accept funds in payment from AIT;

C 15 U.S.C. § 313, the Weather Service Organic Act, which authorizes the Secretary to perform meteorological services;

D 49 U.S.C. § 44720 (b), the Federal Aviation Act, which authorizes the Department of Commerce to promote safety and efficiency in air navigation; and

E An agreement between AIT and the Taipei Economic and cultural Representative Office in the United States (TECRO), which authorizes AIT to provide technical assistance from a designated agency to an agency designated by TECRO. AIT has designated NOAA to provide technical assistance in meteorology and forecast systems development. TECRO has designated the Central Weather Bureau (CWB) of Taiwan to receive such technical assistance. This Implementing Arrangement is hereby attached to that Agreement and becomes part of the Agreement.

Article III - Services

During the six - month period of Implementing Arrangement #13, the FSL - CWB joint team will focus on two ongoing tasks. The two ongoing tasks are: 1) the Local Analysis and Prediction System (LAPS), which performs high - resolution analyses and provides short - range forecasts of the weather using both locally and centrally available meteorological observations, and 2) continuing interaction on earlier cooperative projects. These cooperative activities, described in more detail in the Statement of Work, will include the following two tasks:

Task #1 - Local Analysis and Prediction System (LAPS)

FSL and CWB have developed basic LAPS capability at CWB during Implementing Arrangement #12. For Implementing Arrangement #13, FSL will work on ingesting satellite data into cloud and surface

analysis. FSL also will use CWB's NEXRAD radar data to complete the level III scheme. FSL also will provide LAPS training and technical support during running LAPS at CWB.

Task #2 - Continuing Interaction on Earlier Cooperative Projects
Several earlier cooperative tasks have been completed. Technology has been transferred successfully and is beginning to be used operationally at CWB. FSL's development in these areas continues, and further CWB/FSL interaction is important to keep CWB staff up - to - date on current developments. This task will allow continuing interaction at an appropriate level, including new software releases of the forecast information system including the internet - based forecast workstation, data assimilation, forecaster training, exchange of visits, copying papers and reports, and e-mail interaction.

Article IV - Financial Provisions

In accordance with the Agreement, NOAA/FSL is undertaking this work as the designated representative of AIT. TECRO is required to reimburse AIT for all costs incurred by AIT's designated representative, NOAA/ FSL, in association with the projects covered by this Implementing Arrangement. AIT will transfer to NOAA/FSL all payments made by TECRO to AIT for costs incurred by NOAA/ FSL in association with this Implementing Arrangement.

The total cost for activities described in this Implementing Arrangement is mutually agreed to be U.S.\$250,000.00. TECRO agrees to transfer fifty percent of the funds to AIT in advance, with the remaining fifty percent to be transferred upon completion of the year's activities.

The funding arrangement represents an equitable apportionment of project costs. NOAA's performance of activities under this agreement is subject to The availability of funds.

Article V - Intellectual Property Considerations

No intellectual property considerations are expected to arise in



conjunction with activities described in this Implementing Arrangement. Existing system designs and computer software of the FSL Forecast System are in the public domain. Reports, specifications, and computer software prepared under this Implementing Arrangement also will be in the public domain once NOAA and CWB have approved them in final form.

Article VI - Effective Date, Amendment, and Termination

This Implementing Arrangement is effective on the date of the last signature hereto. This Implementing Arrangement may be amended and/or terminated in accordance with the terms of the Agreement. The duration of this Implementing Arrangement will be six months from the date of the last signature.

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

FOR THE AMERICAN INSTITUTE
IN TAIWAN

Lyushun Shen
Deputy Representative

Barbara Schrage
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6/20/01

6/12/01

Date

Date