



UNITED NATIONS
ECONOMIC AND SOCIAL COMMISSION FOR WESTERN ASIA

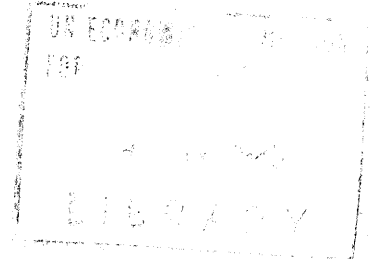


Distr.
LIMITED

E/ESCWA/ID/85/INF.1
September 1985

Original: ENGLISH

ESCWA/UNIDO/DIELI/CEN-ENIE Workshop on
"Regional Silicon Foundry and Design Centres"
27-29 January 1986, Sidi Bel Abbas, Algeria



AIDE MEMOIRE

Hosted by: "Le Commissariat aux Energies Nouvelles" CEN, and
"L'Entreprise National des Industries Electriques", ENIE, Algeria.

85-1173



I. Background

The microelectronics applications in the Arab region are growing and could be expected to grow even more in future. However, the technological capability in this field is to grow commensurately. Acquiring technological capability in this field is a strategic option in the quest for self-reliance in the region. Having these considerations in mind, an expert meeting was jointly organized by ECWA and UNIDO in co-operation with the Kuwait Institute for Scientific Research in March 1984 on the subject of microelectronics and informatics for the Arab countries. The meeting which was attended by a hundred participants recommended several actions to be taken and in particular the investigation of the feasibility of establishing a silicon foundry for the region.

ECWA and UNIDO, in co-operation with DIELI of France, have undertaken an extensive mission to selected Arab countries, with the objective:

- (a) of studying the feasibility of establishing a regional silicon foundry in the Arab countries, and distributed design centres;
- (b) consulting with institutions concerned in the region about their interest in such an approach.

The mission was received with great interest by various institutions concerned: the "Commissariat aux Energies Nouvelles", supervising the R&D unit at the Sidi Bel Abbas facilities to manufacture ICs and l'Entreprise Nationale des Industries Electriques (ENIE), in Algeria, offered to host a technical workshop to deliberate with experts from the Arab countries and from abroad, on the findings and recommendations of the mission.

II. Objective

- (a) The objective of the workshop is to review a study on the establishment of a regional silicon foundry with design centres within the overall context of the development of electronics industries in the region and problems faced and the issues involved in building technological capabilities in this respect; and

(b) To formulate a concrete plan of action in regard to the question of establishment of a silicon foundry and other matters related to the strengthening of technological capabilities in microelectronics in the region. The issues expected to be discussed will include the following:

- (1) Identifying institutions and groups concerned with regional co-operation in design activity;
- (2) Assessment of application areas;
- (3) Outline of design procedure and design software;
- (4) Formulation of training programme for IC design, in the region as well as in advanced countries;
- (5) Formulation of co-operation programme for design and preliminary utilization of existing manufacturing facilities in the region;
- (6) Formulation of a plan for implementation of the silicon foundry approach in the region.

III. Agenda topics

- (a) Country reports on the status of electronic industries and design activities in the region;
- (b) Deliberation on the study on the establishment of a "Regional Silicon Foundry" and design centres;
- (c) Proposed course of action having regard to items 1 to 6 in II. above.

IV. Organizational arrangements

1. Sponsorship

The workshop is sponsored jointly by ECWA, UNIDO, DIELI of France and CEN and ENIE of Algeria. It is hosted by CEN and ENIE of Algeria.

2. Duration

3 days, 27 to 29 January 1986.

3. Location

The workshop will convene at Sidi Bel Abbas (50 km from Oran Airport), Algeria.

4. Participants

The workshop is open for participants from various institutions in the region concerned with microelectronic technology, design and industry, industrial companies, R&D centres, universities, development and investment institutions etc.

The workshop is also open to international participants concerned with microelectronic technology and industry in the Arab countries.

Those interested to participate are expected to notify the secretariat of the workshop no later than 15 November 1985.

5. Working language

English.

6. Documentation

The secretariat of the workshop will make available to all participants before the end of December 1985 the ECWA/UNIDO paper on "Silicon Foundry and Design Centres in the Arab Region: Issues and Approaches". It will also make available background papers and any country study on the status of microelectronic industries and design capability in the region received before 30 November 1985.

7. Financial Arrangement

- (i) Participants are expected to pay their own expenses for travel and subsistence;
- (ii) The secretariat can in a very limited number of cases cover economy class air ticket for travel, to selected participants from non-industrial institutions. Applications for such assistance should be received by the secretariat no later than 30 November 1985.

Such participants with travel assistance will be hosted room and board by CEN and ENIE of Algeria for the duration of the workshop.

The secretariat of the workshop will not assume responsibility for any of the following costs which may be incurred by the participants while attending the meeting:

- (a) Compensation for salary or related allowances for the participants during the period of the meeting;
- (b) Any cost incurred with respect to insurance, medical bills and hospitalization fees;
- (c) Compensation in the even of death, disability of illness;
- (d) Loss or damage to personal property of participants during travel or while attending the meeting.

V. Communications

For further communications with ECWA:

ATTENTION: Dr. Ribhi Abu El-Haj, Chief
Joint ECWA/UNIDO Industry Division UN ECWA
Telex: 213303 UNECWA
213468 UNECWA

Telephone: 5569400

QR:

c/o Pouch Unit
United Nations Headquarters
P.O. Box 20
New York, N.Y. 10163
USA

QR:

c/o Pouch Unit
United Nations Offices Geneva
Palais des Nations
CH-1211 Geneva 10
Switzerland

For further communication with Algeria:

ATTENTION: Dr. Hadj Sleiman Charif
Commissaire aux Energies Nouvelles
P.O. Box 1017 Alger-gare
Algeria

Telex: 52245 NAWAT

