



## **OCCASION**

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



#### **DISCLAIMER**

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as "developed", "industrialized" and "developing" are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

#### FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

## **CONTACT**

Please contact <u>publications@unido.org</u> for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche.

# UNITED NATIONS ECONOMIC AND OCIAL COUNCIL



Diffr. GENERAL E/CN.14/AS/IV/10 27 January 1961

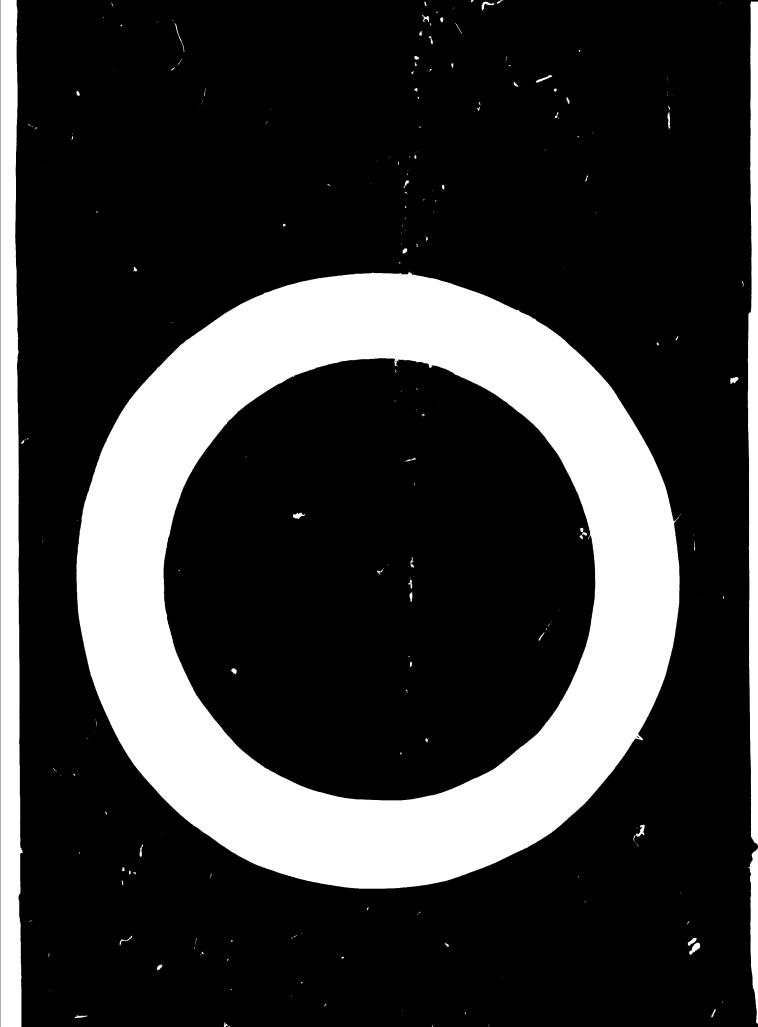
Original: ENGLISH



ECONOMIC COMMISSION FOR AFRICA AND CENTRE FOR INDUSTRIAL DEVELOPMENT Symposium on Industrial Development in Africa Cairo. 27 January - 10 February 1966

D04760

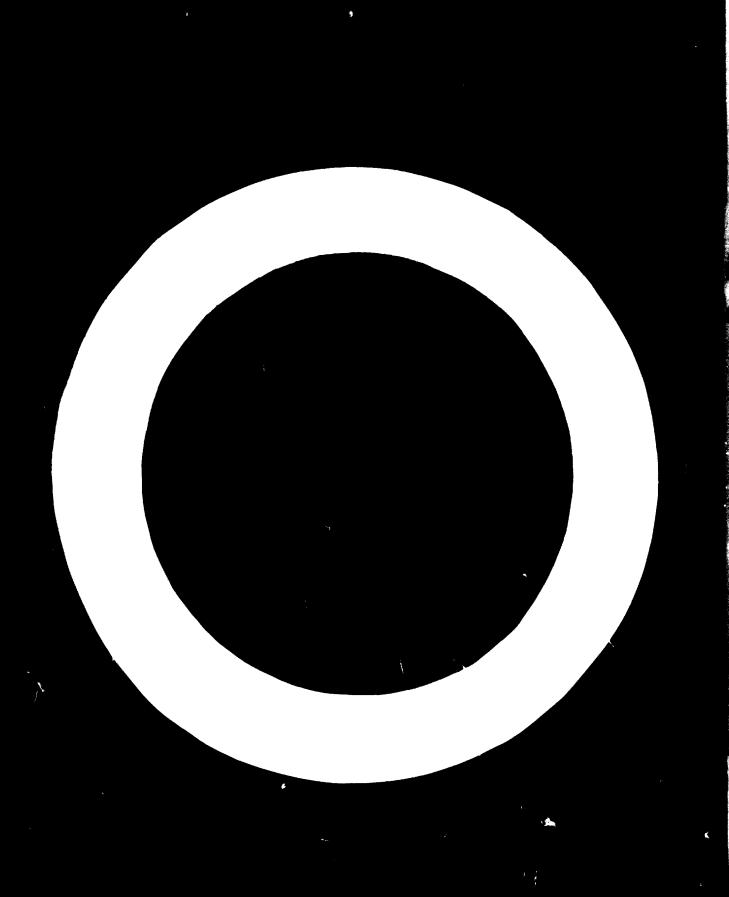
STATUS OF INDUSTRIAL STATISTICS IN AFRICAN COUNTRIES



# Table of Contents

## - Introduction

| Chapter | I     |  |
|---------|-------|--|
|         | 1.1   | Existing Industrial Statistics in North Africa   |
|         | 1.2   | Existing Industrial Statistics in West Africa I  |
|         | I.3   | Existing Industrial Statistics in West Africa II   |
|         | I.4   | Existing Industrial Statistics in East Africa.   |
| Chapter | II    | Existing Consus of Production in African Countries   |
| Chapter | III   |  |
|         | III.I | Action required in improving African Industrial ~ Statistics   |
|         | III.2 | Industrial Census  |
|         | -     | Statistics of larger enterprises   |
|         |       | Statistics of smaller enterprises  |
|         |       | Nata to be collected   |
|         |       | Co-ordination action required.   |
|         |       | The state of the s |



## INTRODUCTION

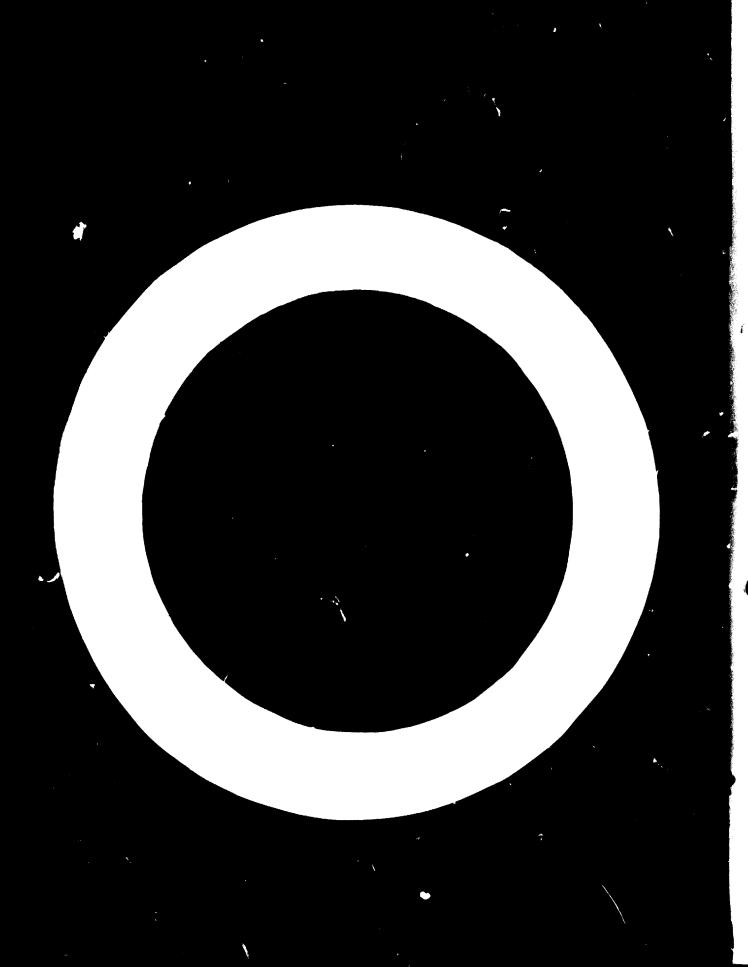
This document contains three chapters.

The first one deals with the existing industrial statistics in Africa by type of statistics and by country. Type of statistics are broken down into three main items: Minning industries, Manufacturing industries and Energy.

Chapter two presents the countries and years for which an industrial census has been conducted. A table shows the branches of the International Standard Industrial Classification (ISIC) which are covered by the census.

Chapter three presents briefly the action required to improve African industrial statistics. It stresses the point that effort must be made now to improve the quality and coverage of data while African industry is still young. Another point to be borne in mind is that although grave statistics at the National level are the first requirements. It is also essential that it be possible to incorparate them in analysis for much wider areas and to make international comparisons.

In the last part of this chapter the co-ordinating action required is explained as well as what could be the role of the ECA Secretariat in promoting standardization.



| 1.1 <u>E</u> | xisting Industrial Statistics in N | orth Africa |
|--------------|------------------------------------|-------------|
|--------------|------------------------------------|-------------|

| The state of the s | In I   | orti             | n Al              | ri               | <u> </u> |             |        |
|--|--|------------------|-------------------|------------------|----------|-------------|--------|
| NOP M APPICA  H = Henthly Statistics  G = Quarterly Statistics  A = Yearly Statistics  | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | opas;            | Algerie           | Tuniaie          | eiger:   | Eurpt       | ndan   |
| Lining Industries  |  |                  |                   |                  |          |             |        |
| iroduction of principal minerals Value of production Summary of production of: Coal, iron, oil, phosphates, salt, etc. Inder of mineral production   | A<br>-<br>-  | A<br>-<br>E      | -<br>м            | A<br>A<br>M<br>M |          | AA          | ,<br>i |
| Manufacturing Industries   |  | ;                |                   |                  |          |             | i      |
| Production of construction materials Index of industrial production Energy Production of classics Production of the construction Production of the construction  | -  | A A A            | M<br>-<br>11<br>A | - :              | A .      | A<br>A<br>A | ·      |
| Production of llectrical Energy - Fotal - Hodraulic - Thermic Production of natural gas Installed generating capacity Hydraulic energy in reserve Consumption of electric energy by use  | A -  | M<br>M<br>A<br>M | M . M . M . A     |                  | A .      | A :         |        |
| by broad groups Consumption of coal Consumption of liquid fuel   | -  | M M              | A                 |                  | -        | -           | - :    |
| Production of crude oil, gas oil, fuel, oil, etc. Froduction of coal   |  | M<br>M           | 1 -               | -                | - ,      | -<br>-<br>- | 1<br>• |
|  |  | i                |                   | 1                | •        | ,           | :      |

# 1.2 Tristice Industrial Statistics in West Africa I

| Nush Affilda I  M = Monthly Stutistics  J = Quarterly Stablesics  A = Yearly utablistics   | Senegai     | Mali     | Ivory Coest    | Upper Volca |     | Niger    | Cameroon | Chad | Centrafriq       | Gabora |
|--|-------------|----------|----------------|-------------|-----|----------|----------|------|------------------|--------|
| Tinung Industries  Laming Lecturation  Inverse of Tuding Production  | M           | -<br>-   | M              | -           | -   | A<br>-   | M        | -    | M<br>            | M      |
| Mader of tooking offs<br>Genufeauging Industries   | <b></b>     | <b>-</b> | ! <b>-</b>     | _           | -   | <b>A</b> | -        | -    | ••               | -      |
| industrial Iroduction  Now Aprical turn recoduction Statis.  Production of Miscollerneous Industries  Index of Industrial Production  Developmen of the Industrial  Irodustice by Sectors (in value)  Industrial Production and value add  Analysis of the Production by sector  Table of Industries  Energy   | M<br>M      |          | <br><br>A<br>A |             | M - |          | Q        | M    | M<br>-<br>-<br>- |        |
| Production of Rectrical Energy  - Total  - dydraulic  - Thosai  Electrical Energy Delivered to  Watwork  Consumption (or sales) of Electrical  Electri | M<br>M<br>M | -        | M<br>M<br>M    | M<br>M<br>M |     | M        | M -      |      | M<br>M<br>M      |        |
| By Senters of Users Number of Subshelbers Disposal for Consumption of Hydrocarbons   | M<br>       | I        | -<br>м<br>-    | M           | -   | Q - Q    | 90       | -    | -                | -<br>- |

| I.3 Existing Industrial Statistics in West WEST AFRICA II  M = Monthly Statistics Q = Quarterly Statistics A = Yearly Statistics   | Sierra Leore | Liberia | Ghana   | Nigeria | Togo | Congo Braz. | Congo Leop.   | Rwanda | Burundi |
|--|--------------|---------|---------|---------|------|-------------|---------------|--------|---------|
| Mining Industries  |              |         | !       | !<br>!  |      |             |               | i      | ĺ       |
| <ul> <li>Production of Trincipal Economic Minerals</li> <li>Index of Mining Production</li> <li>Mining Production</li> <li>Development of the Mining Production</li> <li>Production and Exports of Diamonds         <ul> <li>Ironore, Gold and Bauxite</li> </ul> </li> <li>Production of Gold, Diamonds, Manganese         <ul> <li>and Bauxite</li> </ul> </li> <li>Comparative Statement of Annual</li> </ul>   | -<br>Q       |         | 1011101 | Q       |      | -<br>M<br>- | 111011        | 4      |         |
| Production Value   |              |         |         |         |      |             |               |        |         |
| Manufacturing Industries   |              |         |         |         |      |             |               |        |         |
| <ul> <li>Index of Industrial Production</li> <li>Development of Production in Manufacturing<br/>Industries</li> </ul>  | -            | -       | 9       | -       | -    | <b>-</b>    | Q             | -      | -       |
| - Food Industries - Textile Industries - Footwear Industries - Rubber Industries - Basic Chemical Industries - Vegetable Fats and Oil Industries - Other Chemical Products Industries - Non-Metallic Mineral Products Industry - Manufacturing of Basic Metals and Metal - Products - Manufacturing of Portland Cement - Manufacturing of Mincellaneous Products - Output and Disposal of Sawmills & other - Woodmills - Production of Palm fil - Industrial Production - Animals Slaughtered - Production of Timber - Output of Venser and Plywood - Reception of Forest Products - Forest Reserve Production |              |         |         | - M     | A    |             | 'ପସ୍ପସ ପସ। ।। |        |         |
|  |              |         |         | :       |      |             |               |        |         |

|  | ,          |        |            |              |          |          |       |          |            |                    |
|--|------------|--------|------------|--------------|----------|----------|-------|----------|------------|--------------------|
| I.4 Existing Industrial Statistics in                                      | Za.        | st.    | Afri       | ca           |          |          |       |          |            |                    |
| EAST AFRICA  | æ          |        |            |              | æ        |          |       |          | •          | <b>9</b> 20        |
| M = Monthly Statistics   | est        | Zambia | Ĭ.         | 'ಇರೆತ್ಯಾಡಿದಿ | Tanzania | e p      | ಪ     | 118      | Ethiopi    | <b>Kozam</b> bique |
| Q = Quarterly Statistics   | Rhodes     | Q<br>E | L a        | da           | 128      | æ        | Kenya | Scmali   | þi         | 2                  |
| A = Yearly Statistics  | <u>ਜੂ</u>  | 2.2    | Kalawi     | <b>₩</b>     | <u> </u> | Uganda   | Ke    | ຶ່ນ      | <b>(4)</b> | <u>\$</u>          |
| Mining Industries  | ļ          |        |            |              | !        |          |       |          |            |                    |
| Production of principal minerals   | M          | M      |            | A            | . 🛦      | <b>1</b> |       |          | <b>A</b>   | •                  |
| Value of production by major industrial Division                           | 1          |        |            | •            |          |          | •     |          |            |                    |
| Mineral production and local sales   | A<br>-     |        |            | -            |          |          | •     | _        | -          | <b>4</b> i         |
| Summary of production of: diamonds,  |            | ;      |            |              | -        |          | _     |          | _          | - 1                |
| silver, gold, mica, salt, tin ore etc.                                     | <b>-</b>   | -      |            | -            | A        | -        | _     | - ;      | -          | A                  |
| Manufacturing Industries   |            | i      |            |              |          |          |       |          |            |                    |
| Index of industrial production   | M          | M      |            | -            | _        |          | -     | - '      | <b>A</b>   | _                  |
| Value of production by major industrial                                    | 1          | •      | · ·        |              |          |          |       |          | _          | -                  |
| divisions  | -          | X      |            | -            | _        | -        | -     | -        | -          | -                  |
| Production by commodities  | -          | -      | !          | -            | -        | -        | -     | -        | -          | <b>A</b>           |
| Estimated production of selected items                                     | -          | -      | ! !        | -            | 4        | -        | -     | -        | -          | -                  |
| Production of excisable commodities Excisable commodities, consumption and | -          | -      | !!!        | -            | _        | <b>A</b> | Q     | -        | •          |                    |
| production   | -          | -      | !!         |              | _        |          | A     | -        | _          | _                  |
| Production and disposal of certain   |            |        |            | _            |          | 1        | -     | _        | _          |                    |
| large industries   | -          | -      | .          | -            | -        | -        | Q     | -        | -          | -                  |
| Cement production and consumption  | -          | -      |            | -            | -        |          | A     | -        | -          | -                  |
| Dairy production   | H          | -      | :          | -            | _        | -        | Q     | -        | -          | -                  |
| Summary of sugar situation (production)                                    | ! <b>-</b> | -      |            | -            | -        | -        | -     | Q        | -          | -                  |
| Energy   |            |        | ' !<br>! ! | 1            |          |          | !     |          |            |                    |
| Production of electric energy  | -          | -      | , ,        | A            | _        | •        | Q     | -        | A          | -                  |
| Froduction and Sales table   | -          | -      |            | -            | A        | A        | -     | -        | -          | -                  |
| Production of electricity by type  |            |        |            |              |          |          |       |          |            |                    |
| of generator   | -          | ~      |            | -            | -        | A        | -     | -        | -          | -                  |
| Production by area and imports Electrical energy sent out by all           | -          | -      |            | -            | -        |          |       | -        | -          | -                  |
| undertakings   | M          | _      | !          | _            | _        |          | i_    |          | _          | _                  |
| Installed generating capacity  | ¥          | X      |            | -            | A        |          |       | -        | A          | _                  |
| Installed capacity by area and type of                                     | !          | ,      | ,          |              |          | i        | !     | ĺ        | -          |                    |
| power  | -          | -      |            | -            | -        | -        | A     | -        | -          | -                  |
| Sales and installed capacity   | -          | -      |            | -            | 4        | -        | -     | -        | -          | -                  |
| Installed capacity and production of electricity                           |            | 1      | ,          |              |          | Ì        |       |          |            | .                  |
| Production of Central African petroleus                                    |            | -      |            | -            | -        |          | -     | -        | -          | 4                  |
| refineries   | M          | _      |            |              | _        |          |       |          | _          | _                  |
| Sales of motor Spanits, fuel,  | 1          | :      |            |              |          |          | Ī     | -        | !          | -                  |
| lubricants, etc.   | <b>-</b>   | -      | !          | -            | -        | A        | A     | ·<br>! • | -          | -                  |
| Total consumption of electrical energy                                     |            |        | !          |              |          |          |       |          |            |                    |
| by broad industrial groups   | M          | -      | '          | -            | -        |          | -     | -        | -          | -                  |
| Consumption of motor and other fuels                                       | -          | -      |            | -            | -        | -        | 9     | -        | -          | A                  |
|  |            |        |            |              |          |          | !     | 1        | !          |                    |
|  |            | ,      | ı          | •            |          | •        |       | 1        | i          | 1                  |
|  |            |        |            | :            | L        | 1        | İ     | Í        |            |                    |
|  |            |        |            |              |          |          |       |          |            |                    |

# II. Census of Industrial Production

The following countries publish statistical information in the form of an Industrial Census. However, for most countries we do not know if all existing industrial establishments are included in every new inquiry. In other words, it is not certain that the essential characteristic of a census. e.g. the exhaustive gathering of information concerning all industries, is fulfilled.

|            | 1954 | 1955       | 1956       | 1957 | 1958   | 1959 | 1960 | 1961 | 1962 | 1963 |
|------------|------|------------|------------|------|--------|------|------|------|------|------|
| Ethiopia   |      |            |            |      |        |      |      |      |      |      |
| Cha na     |      |            |            |      |        | ļ    |      |      |      |      |
| Kenya      | x    |            | ×          | x    |        |      | ·    | I    |      |      |
| Malawi     |      |            |            |      |        |      |      | •    |      |      |
| Mozambique | .    |            | x          | x    | x      | x    | _    |      |      |      |
| Rhodesia   |      | . <b>X</b> | <b>x</b> . | x    | I      | x    | X    |      |      |      |
| Sudan      |      |            |            | _    | •      | •    |      | _    |      | •    |
| Tanganyika | x    |            | x          |      | x      |      |      | X    |      |      |
| Tunisia    |      |            | _          | x    | x      | _    | _    | I    |      |      |
| UAR        | x    |            | x          | x    | x      | x    | X    |      |      |      |
| Zambia     |      | <b>x</b>   | x          | x    | x<br>x | x    | X    | x    | X    | i    |

## Classification

All countries are using the International Standard Industrial Classification of all Economic Activities (UN statistical papers Series M No. 4 Rev.1).

## Coverage

The following table indicates the branches of the ISIC which are covered by the various countries in their census.

|     |                        | iotia | Ghana | Көпуа | Malawi | Mrzambique | Rhodesia | Sudan | Tanganyika | Tunisia | UAR | Zambia |
|-----|------------------------|-------|-------|-------|--------|------------|----------|-------|------------|---------|-----|--------|
| 0   | Agriculture            |       |       |       |        |            |          |       | I          |         | 1   |        |
| 1   | Mining and quarrying   |       | x     | x     |        | x          | x        |       | x          | I       | x   | x      |
| 2-3 | Manufacturing          | x     | x     | x     | x      | x          | x        | x     | x          | x       | x   | x      |
| 4   | Construction           | I     |       | x     |        |            |          |       | x          | x       | x   | x      |
| 5   | Electricity Gas, Water | x     | x     | x     | x      | x          | x        |       | x          | x       | x   | x      |
| G   | Commerce               |       |       |       |        |            |          |       |            |         | I   |        |
| 7   | Transport, Storage     |       | •     |       |        |            |          |       |            |         | x   |        |
| 8   | Services               |       |       |       |        |            |          |       |            |         | x   |        |
| 9   | Activities, m.a.d.     |       |       |       |        |            |          |       |            |         |     |        |
|     | Grand Total            |       |       |       | x      | 1          | x        |       | x          |         | x   |        |

The \_\_udings, as place in the different oruntries, are as follows.

|                          |                  |     |          |        | -;  |                 |            | ·            | -          | -       |     |        |
|--------------------------|------------------|-----|----------|--------|-----|-----------------|------------|--------------|------------|---------|-----|--------|
|                          | (00)             |     | Kenve    | Aalewi |     | M combigue      | Rhodesia   | Sudan        | Tanganyika | Tunisia | UAR | Zesbia |
| Cross output             |                  |     | 1        |        | İ   |                 |            |              |            |         |     |        |
| - Current Price          | l x              | x   | x        | ١,     |     |                 | x          |              | x          |         |     | 1_     |
| - Fixed Prices           |                  | x   |          |        |     |                 | ^          |              | *          | X       |     | ×      |
| Value added              |                  | 1   |          | +      | j   | j               |            |              |            |         |     | 一      |
| - Current Prices         |                  | x   | x        | x      |     |                 | İ          | x            | x          |         |     | ١.     |
| - Fixed Prices           |                  | x   | 1        |        |     |                 | İ          | ^            | •          |         |     | I      |
| Value of Jole            |                  | 1   | 1 -      |        | 1-  |                 | I          |              |            |         |     |        |
| Value value value 1999   |                  |     | 1        | 1      | -j- | ٠               | -=-        | · }          |            |         |     |        |
| old for Export           |                  | x   | -        |        |     | 1               |            | į            | x          |         |     |        |
| Average Number of Penson | 16)              |     | 1        |        | 1   | -ţ              |            | <del>-</del> |            |         |     |        |
| Engaged                  | j                | X   | x        |        | İ   | i               |            | x            | x          |         |     | _      |
| Number of Fold Workers   |                  |     |          | T -    | 1   | Ī               |            |              |            |         |     | -      |
| Total lumbar c. ployed   | x                | ' y | !<br>!   | l x    | İ   | ı               | x          | İ            | x          |         | I   |        |
| Potal Wages and Bularies |                  |     |          |        | -   | 1               | -          |              | -=+        |         | 7   |        |
| paid Jahour Jonst)       | <u></u>          | x   | X        | X      | !   | I               | Z I        | 1            | x          | I       |     | _      |
| fumber of Statustical    |                  | i   | 1        |        | 1   | i               |            | 7            |            | 7       | 7   | -      |
| Inits (Establishments)   | 1 2              | 7   | ;<br>; x | Z.     |     | 1               | z          | x            |            | 2       |     |        |
| lumber of Fire 1 . Size  |                  |     |          |        |     | ·               | /-         | •=}-         |            |         | 7   |        |
| 'ixed Capital Assets     | j .              |     |          | -      |     | <del>-  -</del> | <u> </u> - |              | 1          |         | 1   |        |
| apital Expenditure       | ) — —<br>- — — — | х   |          | х      |     | -               | x          | 7            | 1          | x       | 7   |        |
| ayment for Services      |                  |     |          |        | _   |                 | x          | 1            | ī          |         |     |        |
| enerating Power          | x                |     |          |        |     |                 | 1          |              |            | 1       | 十   | _      |
| otor Power               | <u>.</u>         |     | _ 1      |        |     |                 |            | 7            | -          | 1       | 十   | 1      |
| tocks ord of year        | х                |     |          | X      | T   |                 | x          | 7            | x          | I       | 十   | ᄀ      |
| urchase of Taberial      |                  | !   | -        |        | -   | 1               | -          | 1            |            | _       | 十   | 커      |
| nd Fue?                  |                  | į   | x        | i.     |     | :               | i          |              | i          |         |     | - 1    |

## III.l Action required in improving African industrial statistics

It is clear from the foregoing paragraphs that, although considerable progress has been achieved in developing African industrial statistics, a great deal of work remains to be done before the position can be considered satisfactory.

This work is not unduly difficult or expensive and the basic . requirement in every country is a persistent effort to improve the quality and coverage of data. If this effort is made now, while African industry is still young, the problems of obtaining information on the expanding industries of the future will be greatly reduced.

Successful industrial development in Africa calls for a high degree of co-operation between countries and this is perhaps the principal factor which should be borne in mind in organizing industrial statistics. Good statistics at the national level are, of course, the first requirement, but it is also essential that it should be possible to incorporate them in analyses for much wider areas in order to provide a means of checking the consistency of co-operative planning and to give an indication of additional development possibilities.

International comparability of the data can be achieved by following the international recommendations for basic industrial statistics (Series M. No.17, UN Statistical Office), but methods of collection are dependent on local conditions. It is therefore necessary to consider the practical steps which are needed in Africa to ensure comprehensive and comparable data on industry.

There are two basic types of enterprise which are responsible for all industrial activity. Finally, there are those consisting of one or more establishments which can be identified as independent units. Secondly, there are the enterprises which form an integral part of household activities. These are found mainly in rural areas and comprise a major part of African agriculture and some trading and

handicrafts. The comments in this paper are limited to the first group, i.e. the so-called "organized" enterprises.

The organized enterprises have to be divided into two or more groups according to size because different methods of collection are involved. For simplicity, reference is made here only to "larger" and "smaller" enterprises. It is also necessary to distinguish between the structural statistics which should be obtained from an industrial census and current data relating to industrial activities.

## III.2 Industrial census

Many countries have started their work on industrial statistics by first collecting information on the larger known enterprises and then gradually extending the coverage. This has the advantage that some data can be made available fairly quickly and, for industries where there are few establishments, there is no difficulty in obtaining complete coverage. However, the general position is that an adequate assessment of coverage is not possible, which severely limits the use of available data.

In the absence of effective legal registration or licensing, the only way of overcoming this difficulty is to conduct an industrial census. This has, so far, been done in very few African countries and it should be noted that the annual "industrial censuses" of some countries are not, in fact, censuses, but simply the collection of current data from known establishments.

It is clear that, in most African countries, the taking of an industrial census is a project requiring very high priority.

As the census is a large scale operation, it is important that the epportunity should be taken of recording establishments in all industries, but the coverage within industries is dependent on level conditions. For the larger enterprises, the densus should form the basis of a permanent register which should be kept continuously up-

to-date. It may not be practicable to maintain such a register for the smaller concerns if they are numerous and relatively unstable. They should, nevertheless, be included in the census if at all possible because the results give useful information on the structure of industry at a point of time.

## III.3 Statistics of larger enterprises

The collection of current data from larger enterprises can be controlled by means of a register of establishments once this has been compiled from census results. Data are normally required annually and should preferably relate to calendar years. Questionnairs for this purpose can often be sent out by post, but a considerable amount of follow-up field work is always required if a satisfactory response is to be achieved.

It is the capacity of the statistical office to carry out this follow-up work which principally determines the design of the annual enquiries. Most countries find that it is not practicable to include distribution and services. For other industries, it is, of course, necessary to include all the very large establishments, but, for the remainder, suitable sampling arrangements have to be devised from the basic information obtained from the census.

In addition to the annual statistics, more frequent information is required for some industries, particularly for production indices.

## III.4 Statistics of smaller enterprises

Statistical arrangements for smaller enterprises differ from these relating to larger concerns in two ways. Firstly, because these enterprises do not normally keep adequate records, information has to be collected by direct enumeration and needs to be very simple. Secondly, no up-to-date register can be maintained and different sampling arrangements have to be used.

Area sampling is often found convenient and it should be noted that these enquiries, in addition to providing current statistics, also have to be used as a means of obtaining structural data in cases where it has not been possible to include the smaller enterprises in an industrial census. The frequency of investigations depends on the resources of the statistical office, but the aim should be to conduct them at least every 2-3 years.

## III.5 Data to be collected

The operations discussed above and the basic data which they should produce may be summarized as follows:

Items 59-64 in Annex II

of E/CN.14/CAS.4/Dev/1/Rev.1

(Note: Some amendments are needed)

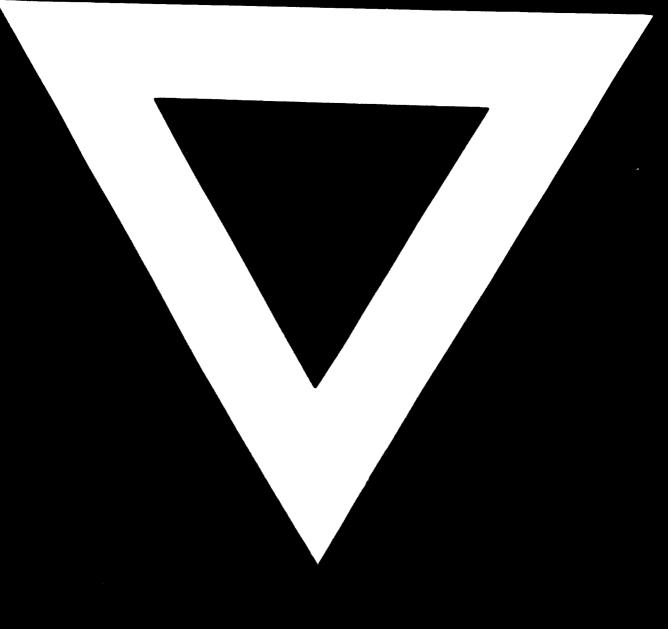
## III.6 Co-ordinating action required

The foregoing notes indicate the basic data requirements in respect of industrial structure and activities and discuss some of the collection arrangements appropriate under African conditions. The implementation of these arrangements is, of course, a national responsibility, but co-ordination within the region is necessary to ensure that data are fully comparable and effectively utilized. In this the ECA secretariat can be of assistance and the following action is suggested:

(1) It is appreciated that methods of collection are dependent on local conditions, but a reasonably standardized approach is necessary if adequate data is to be obtained for the purpose of guiding co-operative efforts. To this end, it is proposed that countries should advise the secretariat of their future plans for industrial statistics and provide copies of questionnaires, etc. A comparative study will be made of this material to assist countries in finalizing their arrangements.

- (2) The secretariat will undertake to elaborate the list of basic statistics required and provide definitions within the framework of the international recommendations. The adoption of these basic requirements would not, of course, in any way affect the collection of additional data required by countries and would not impose any rigidity in their arrangements.
- (3) The use of the data for analytical purposes at sub-regional and other levels would require a standardised presentation of the national figures. The secretariat will undertake to suggest a suitable layout.
- (4) Country data should be sent to ECA Headquarters at regular intervals, where it will be analysed and then circulated in the form of periodic reports.





. 4. 74