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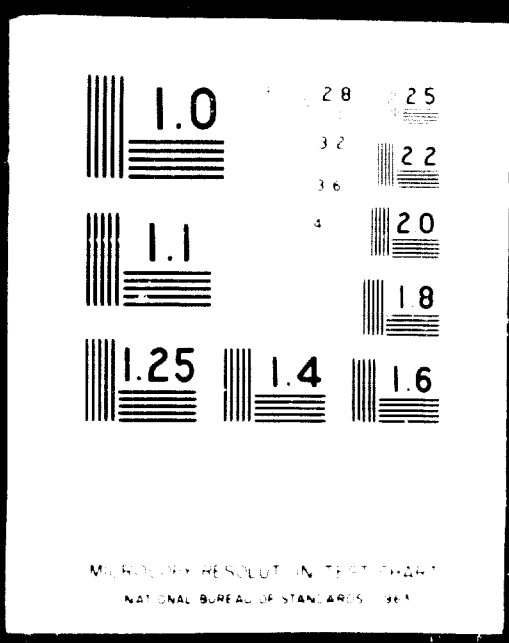
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MILITARY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A



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ADDENDUM TO THE PROGRAMME OF WORK FOR 1968

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.

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ADDENDUM TO PROGRAMME OF WORK FOR 1968

Introduction

1. The preliminary version of the Programme of Work for 1968, which was submitted for information to the Twenty-second Session of the General Assembly and is now being presented to the Second Session of the Industrial Development Board includes the following paragraph:

" The programme of work presented in this document has been established on the basis of information available to the Secretariat at the time of its preparation in August 1967.....
New operational projects, particularly under the Special Industrial Services programme, will continue to come in during the year and it is also expected that a certain number of projects under the Special Fund, now in the process of discussion with the governments concerned will come up in the meantime. The programmes of supporting activities are also likely to be affected by the recommendations of the International Symposium for Industrial Development" (ID/B/20/Rev.1, para. 8).

The present document, which appears as an Addendum to ID/B/20/Rev.1, lists the changes that have been introduced into the Programme of Work for 1968 between the date of preparation of the preliminary version, in August 1967, and the end of the year. References are to paragraphs as numbered in ID/B/20/Rev.1.

2. As regards operational activities, a number of projects have been added under the various programmes of Technical Assistance as a result of processing of new requests from Governments, particularly under the Special Industrial Services Programme and the Special Fund component of the United Nations Development Programme. On the other hand, some projects have been deleted following requests by governments, either because the posts involved have been utilized to finance other industry projects or transferred to other fields of Technical Assistance. The latter applies in particular to projects under the Regular Programme and the Technical Assistance component of the United Nations Development Programme. A summary of these changes is given in the following paragraphs.

3. Under the Special Fund component of the United Nations Development Programme seven new projects have been added with a total value of \$13,899,100. This amount includes the funds earmarked under the United Nations Development Programme's contributions of \$5,916,100 and the Government counterpart contributions of

\$7,983,000. This brings the number of Special Fund projects in industry for which UNIDO has the responsibility as participating and executing agency to 25, a total value of \$50,062,200, out of which \$22,465,200 represent the share contributed by the United Nations and \$27,597,000 the share of the assisted Governments.

4. Under the programme of Special Industrial Services, 83 additional SIS approved projects are listed, at a total cost of \$1,600,150. The total cumulative value of the SIS approved projects by the end of 1967 rose to \$2,951,785. Additional projects totalling approximately \$715,000 are under consideration for approval by the UNDP, and it is expected that about \$3,000,000 worth of new projects will be requested and processed in the course of 1968.

5. Under the Regular Programme and the Technical Assistance component of UNDP, seventeen new projects have been added at a total cost of \$225,750, and a number of projects, totalling \$267,900, have been deleted from the programme at the request of Governments concerned. This gives a relatively small net negative balance of about \$42,000, which does not change significantly the value of these programmes for 1968 as indicated in document ID/B/20/Rev.1.

6. It was mentioned in document ID/B/20/Rev.1 that, following the recommendations of the First Session of the Industrial Development Board, work was initiated on the establishment of a network of field advisers. It is possible to report to the Second Session of the Board the developments that have taken place in this area since the preparation of that document, as follows:

7. Pending the allocation of UNDP funds to finance this operation under the agreement signed on 3 October 1967, reference to which was made in the Report on UNIDO Activities in 1967 (document ID/B/22), five posts of field advisers were established in the 1968 budget of UNIDO. However, in order not to delay the immediate implementation of the operation, initial steps were taken to outpost a small number of industrial advisers to the field, by secondment of UNIDO staff. Four advisers have been outposted in this manner - two to Latin America and two to South East Asia and the Far East - and provisional arrangements were made on an ad hoc basis to have four staff members service the countries in the Middle East and African regions. If, as it is expected, resources will be forthcoming from UNDP to begin the financing of the field adviser operations in 1968, additional adviser posts will be established in that year.

8. Provision will be made in 1968 for a Special Servicing Unit to be established in the Technical Co-operation Division of UNIDO to support the activities of the field advisers, pending the financing of such an activity from the budget of 1969.

9. As regards non-operational projects of the Work Programme (meetings, working groups and seminars, studies and research) the changes listed in this document are largely the result of recommendations that emerged from the Athens Symposium of last December. Most of the changes that reflect the recommendations of the International Symposium have been introduced into the Programme on a tentative basis, subject to availability of funds in 1968. In some cases, however, when the new projects were considered to be of particular urgency, it was found necessary to rearrange the 1968 programme by eliminating previously proposed projects that appeared to offer lower priorities.

10. As part of its programme in this area, UNIDO will co-operate in 1968 in the United Nations preparatory work on the Second Development Decade, under ECOSOC Resolution 1152 (XLI) and General Assembly Resolution 2218 (XXI) which requested the Secretary-General "to elaborate and submit to the General Assembly at its Twenty-third Session, through the Council at its Forty-third and Forty-fifth Sessions, a preliminary framework of international development strategy for the 1970's within which initial efforts could be concentrated on the elaboration of specific goals and targets for individual sectors and components". It is envisaged that UNIDO will develop active participation in the programmes of the United Nations organizations and bodies concerned in this area, in particular as regards the activities in this area of the Committee for Development Planning.

11. Within the terms of reference that assigned UNIDO a central role in co-ordinating the United Nations family's activities in industrial development, UNIDO will continue in 1968 its efforts towards developing effective procedures of co-operation in the field of industry with the other interested United Nations agencies. It is hoped that the discussions that are at present under way between UNIDO and the interested organizations will yield constructive results in the course of 1968. A full report on the question of co-ordination is submitted to this session of the Board in document ID/B/27.

12. In this connexion, as was indicated in the 1967 Report (ID/B/22), the World Food Program has seconded a staff member to UNIDO Headquarters in Vienna as liaison

officer with a view to strengthening the activities of the two organizations as regards provision of assistance in food to industry in developing countries. It is expected that this co-operative effort will result in a substantive enlargement of this area of assistance in 1968.

13. The following section of this document lists the additions and amendments described above, following the organization adopted in document ID/B/20/Rev.1. As in the main document, the material is arranged in fifteen groups of activities which lie in the areas of responsibilities of the three substantive divisions of UNIDO. First, the operational projects are listed under the relevant programmes: Special Fund, the Technical Assistance Regular Programme and UNDP (TA component), and Special Industrial Services. This is followed by the non-operational projects in the form of expert groups, seminars and meetings, studies and research projects.

14. Since the preparation of the original report there have been substantial changes in the Publication Programme. The revised Programme is accordingly presented as an annex to the present document.

INDUSTRIAL TECHNOLOGY DIVISION

Group 1 Mechanical and Electrical Engineering Industries

A. Field projects

1. Special Fund projects

(a) Projects added or amended

Asia and Far East

India - 67: Design Centre for Electrical Measuring Instruments. The objectives of this five-year project are to make available to Indian manufacturers of electrical instruments the technical know-how and information which will enable them to increase the productivity of their plants; carry out research and development in the field of electrical measuring instruments, with a view to supplying up-to-date, indigenous designs and prototypes adapted to local manufacturing conditions; provide necessary testing and laboratory facilities to the smaller manufacturers of electrical instruments; arrange, in collaboration with the Small Industries Service Institute (ILO), a three-year training programme in design and manufacture of electrical measuring instruments for an estimated 60 trainees; initiate and maintain a liaison with the national scientific and research institutions as also with the Indian Institute of Standards with the specific purpose of ensuring the interchangeability of mechanical parts by standardizing dimensions and tolerances; and to assist industry in the development and manufacture of electrical measuring instruments such as jewel-bearings, hair-springs, pivots and permanent magnets.

Governing Council earmarking	\$833,000
Government counterpart contribution	\$739,000

Singapore - 9: Metal Industries Development Centre. The purpose of this four-year project is to assist the Government in the establishment and initial operation of the centre which will survey problems and requirements of the metal industry so as to ensure prompt governmental and other actions, assist in the preparation of feasibility studies, and also to assist entrepreneurs in project planning, lay-out and related matters; undertake training programmes needed for skilled technicians to meet the requirements of the metal industry; provide necessary services in promoting investment in metal industries and provide technical and consultative services to existing industrial establishments in order to improve production processes and establish standards for quality control. The International Labour Organisation has been designated Participating and Executing Agency in association with UNIDO.

Governing Council earmarking	\$696,400
Government counterpart contribution	\$1,211,000

Group 1 (continued)2. Regular Programme; UNDP/TA and UNDP/Revolving Fund(a) Projects added or amendedEurope and Middle East

Israel - P.S. 243/57: An expert to train counterparts in the preparation of working dies for coins and in all metallurgical problems related to the use of coin-making equipment.

Experts (man/months)	-	1968	1/3
Fellows (man/months)	-	1968	1/4
Cost	-	1968	\$9,500

Israel - P.S. 243/57: Fellowship in diamond cutting.

Fellows (man/months)	-	1968	1/3
Cost	-	1968	\$3,800

Hungary - P.S. 259/65: Fellowships in various engineering fields.

Fellows (man/months)	1967	15/69	1968	8/45
Cost	1967	\$27,600	1968	\$15,900

Bulgaria - P.S. ID-980: Fellowships in mechanical engineering

Fellows (man/months)	-	1968	2/10
Cost	-	1968	\$3,600

(b) Projects cancelledAsia and Far East

Korea - UNDP/TA; P.S. No. 60/57: Cancelled at Government's request to finance another post.

Singapore - UNDP/TA; P.S. No. 264/61 (diversification of steel products industry). Cancelled at Government's request to finance another post.

Latin America

Mexico - UNDP/TA; P.S. No. 190/65: Cancelled at Government's request to allow for a return assignment of an adviser on pharmaceuticals.

Group 1 (continued)

3. Special Industrial Services Programme (SIS)

(a) Projects added or amended

Africa

Somalia - SIS 67/215: A joint project with ESA Transport and Resources Division to send three experts to Somalia to investigate the cause of a high cost of power and recommend ways and means to reduce it. UNIDO will provide an electrical equipment engineer as the leader of the mission.

Experts (man/months)	-	1968	3/9
Cost	-	1968	\$8,000

United Arab Republic - 67/234: A high-level team of specialists are to be sent for a period of six weeks to United Arab Republic to advise on the techno-administrative structure of the Black Sands Project and to make recommendations in respect of the approaches towards the project which have been advocated by the representatives of I.A.E.A. and of the Heavy Mineral Black Sand Co. of United Arab Republic.

Experts (man/months)	-	1968	3/18 weeks
Cost	-	1968	\$15,000

Zambia - 67/164: A team of two experts will be assigned to undertake a survey and a study of existing metal-working and engineering industry in Zambia, to consider its probable future growth and to submit recommendations and advise on which manufacturing operations are more viable and increase their efficiency by mergers or re-organization.

Experts (man/months)	-	1968	2/6
Cost	-	1968	\$15,000

Asia and Far East

Indonesia - SIS 67/214: An adviser with experience in the use and maintenance of steel plant equipment and machinery is to be provided for a period of four weeks to inspect and study steel plant equipment and machinery presently lying in storage for a long time in order to assess the deterioration and damage thereof. The expert will furthermore advise on what possible uses the machinery and plant equipment could be put to in industry.

Experts (man/months)	-	1968	1/4 weeks
Cost	-	1968	\$3,500

Indonesia - SIS 67/176: A team of three experts will assist the Government in the economic and industrial rehabilitation of the three mechanical workshops in Surabaya, Bandung and Djakarta, particularly in solving the problems concerning technical aspects, production planning and control systems, and product costing and budget accounting procedures. (The management expert is reported under Group 11).

Experts (man/months)	-	1968	2/18
Cost	-	1968	\$40,000

Group 1 (continued)

Europe and Middle East

Israel - SIS 67/52: Changed to read as follows:

Team of experts in selected fields of specialization in the metal-working industries (ferrous casting, tool and die-making; conveying and hoisting equipment; automotive parts production and automation) to assist the Government in solving problems arising out of the change in structure of these industries towards export-orientation.

Experts (man/months)	1967	11/25	1968	1/1
Cost	1967	\$68,000	1968	\$3,000

Latin America

Dominican Republic - SIS 67/169: One industrial engineer or economist is to be assigned, for one year, to assist CFI authorities in the following:

- (a) To study the technical and operational aspects of C.F.I. financed industrial enterprises and to make suitable recommendations in order to increase their productivity;
- (b) To train local personnel in all aspects related to the above.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$24,000

- (b) Projects cancelled

Asia and Far East

Iran - SIS 67/58: Implementation postponed at Government's request.

Group 2 Metallurgical Industries

A. Field projects

1. Regular Programme and UNDP/TA

(a) Projects added or amended

Europe and Middle East

Romania - P.S. ED-876: Fellowships in Metallurgy

Fellows (man/months)	1967	5/21	1968	2/6
Cost	1967	\$5,950	1968	\$2,400

(b) Projects cancelled

Latin America

Uruguay - UNDP/TA; P.S. No. 483/57: Cancelled at Government's request to finance another post.

2. Special Industrial Services

(a) Projects added or amended

Africa

Senegal - SIS 67/191: An aluminium foundry expert will assist the Government of Senegal in the expansion and development of aluminium foundry in the country with particular emphasis on the aluminium foundry shop which is being established in Thies.

Experts (man/months)	-	1968	1/12
Fellows (man/months)	-	1968	1/6
Cost	-	1968	\$28,600

Europe and Middle East

Turkey - 67/245: The extended services of the expert of the post of Engineer (Lignite Processing and Exploration) Mr. A.K. Jappelt are to be provided for a period of six months, with possibility of extension, from 1 January 1968. The expert will conduct agglomeration and briquetting pilot plant trials on Turkish lignite with a view to economic utilization of lignite for engineering and domestic applications. The expert will take into account the characteristics of the Turkish lignites vis-a-vis their physical and chemical properties including the compressive strength in relation to the binders required etc. The expert might also be called upon to explore the possibilities of formulating a request for a small Special Fund type project.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Group 2 (continued)

Turkey - 67/195: An expert will assist the State Planning Organisation in undertaking a critical appraisal and review of the Turkish Iron and Steel industry, conducting survey and assessment of raw material resources to assure maximum economic productivity, establishing the feasibility and programming of further iron and steel plants in the country and training for plant operation.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$15,000

Turkey - 67/212: An expert to assist during one month in the supervision during the mounting and test-runs of a barite ore grinding mill, and in training of personnel in its use. The expert would be attached to a private company, Barit Maden Ltd., and the responsible Government Department will be the Ministry of Industry.

Experts (man/months)	-	1968	1/1
Cost	-	1968	\$4,500

Group 3 Construction and Building Materials Industries

A. Field projects

2. Regular Programme and UNDP/TA

(a) Projects added or amended

Europe and Middle East

Israel - P.S. 243/57: Fellowship in refractory materials and bricks.

Fellows (man/months)	-	1968	1/3
Cost	-	1968	\$3,800

3. Special Industrial Services (SIS)

(a) Projects added or amended

Africa

Algeria - SIS 67/89: An expert to improve operation of lock factory.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Dahomey - SIS 67/155: The services of an expert will be provided for studying the exploitation of marble deposits, advising on the proper pricing on the marble at different stages of production (semi-finished, polished etc.). He will also assist in assessing the proposals put forward by foreign firms for the creation of a marble industry in the country.

Experts (man/months)	-	1968	1/3
Cost	-	1968	\$7,000

Madagascar - SIS 67/128: Technical assistance to "Somabri" Brickworks will be carried out in two stages: first an expert will make a general study of the market for bricks in the construction industry and prepare a report giving recommendations for the financial and technical rehabilitation of the industry. The second phase will cover a longer term assignment of another expert who will be charged with implementing the initial recommendations.

Experts (man/months)	-	1968	1/3
Cost	-	1968	\$7,000

Rwanda - SIS 67/181: An expert will be assigned to advise on the technical and financial aspects of establishing a cement factory in Rwanda with an initial capacity of 100 tons per day, with provision to double the output in the course of the next few years. The study should discuss various technologies of cement manufacture and make definite recommendations for the processes which would best suit Rwanda.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Group 3 (continued)

Asia and Far East

China - 67/182: A refractory brick expert will assist the Union Industrial Research Institute in its research programme concerning the manufacture of clinker using local magnesite and dolomite resources, the stabilization of the clinker, the utilization of the clinker in refractory-lined furnaces, and other subjects related to the refractory industry.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$15,000

Europe and Middle East

Cyprus - SIS 66/48: The services of a consultant are to be provided in connexion with the planned establishment of an asbestos pipe manufacturing plant. The initial discussions with prospective investors have been started. However, the authorities concerned feel that an outside consultant should evaluate and analyse in detail the underlying studies before further action is taken.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$4,000

(b) Projects cancelled

Europe and Middle East

Malta - 67/1; 67/100: This project has been removed from the 1968 programme since its implementation has been completed in 1967.

Group 4 Chemicals, Petrochemicals and Synthetics, Insecticides and Pesticides,
Pharmaceuticals and other Related Industries

A. Field projects

1. Special Fund projects

(a) Projects added or amended

Africa

United Arab Republic - 69: Demonstration pesticide production plant based on chlorine and bromine resources. The purpose of the project, the duration of which is three years, is to assist the Government in the establishment of a demonstration plant for the production of pesticides from chlorine and bromine. The plan will consist of the following:

- (a) DDT (dichloro-diphenyl-trichlor ethane) unit for the production of 1,000 tons per year of technical grade DDT;
- (b) BHC (benzene hexachloride) unit for the production of 1,000 tons per year of BHC with 15 per cent, and later 36 per cent, of the active gamma isomer content;
- (c) Bromine unit for the production of 500 tons per year of bromine from bitterns;
- (d) Bromination unit for the bromination of 100 to 150 tons of dichloropropane per year and
- (e) Recovery unit for monochlorobenzene from spent oleum (in DDT production).

Governing Council earmarking	\$1,053,600
Government counterpart contribution	\$1,253,000

(a) Basic chemicals, petrochemicals and synthetics

1. Regular Programme and UNDP/TA

(a) Projects added or amended

Africa

Guinea - P.S. No. 149/61: An industrial chemist is advising the Government on the development of the chemical industry within the seven-year plan and is expected to continue for twelve months in 1968.

Experts (man/months)	1967	1/12	1968	1/12
Cost	1967	\$22,000	1968	\$22,000

Group 4 (continued)

Europe and Middle East

Yugoslavia - P.S. No. 294/51: Chemical and other industries.

Fellows (man/months)	1967	10/29	1968	9/30
Cost	1967	\$9,150	1968	\$10,650

Poland - P.S. No. 276/65: Fellowships in chemical industries.

Fellows (man/months)	1967 and 1968	37/146
Cost	1967 and 1968	\$55,400

Poland - P.S. No. ID/83: Fellowships in chemical industries.

Fellows (man/months)	1967	1/23	1968	5/15
Cost	1967	\$9,000	1968	\$6,000

(b) Projects cancelled

Latin America

Bolivia - P.S. No. 114/57: Cancelled at Government's request to finance another post.

2. Special industrial services

(a) Projects added or amended

Africa

Kenya - SIS 67/126: A chemical expert is to assess the demand for caustic soda within the country as well as the potential external demand. His task will also include making a preliminary survey of what other chemicals (except fertilizers) could be manufactured economically within Kenya for domestic purposes, as well as for export.

Experts (man/months)	-	1968	1/1
Cost	-	1968	\$3,000

United Arab Republic - 67/223: An industrial chemist or chemical engineer is to be assigned to the Organic Chemical Industries Company plant at Hawamdia, Cairo for a period of two months. This plant is specializing in the production of organic chemicals by the fermentation of sugar cane molasses. The expert will investigate, in collaboration with the staff of the company, various stages of the fermentation process with the object to maximizing the yields of the desired end products namely, butanol, acetone and ethanol.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Group 4 (continued)

Asia

China - 67/119: An expert to advise on the selection of process for manufacture of melamine using urea or calcium cyanamide as starting material.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Ceylon - 67/178: An expert is to examine critically the operation of the plant producing caustic soda and chlorine and suggest improvements in operations efficiency and quality of the products; advise on the replacement of the present electrolytic cells; fully commission the hydrochloric acid plant; and also advise on small scale industries utilising chlorine.

Experts (man/months)	-	1968	1/4
Cost	-	1968	\$8,000

Indonesia - SIS 67/172: An expert will assist the Government of Indonesia in surveying the existing state-owned salt enterprises, analysing all the development possibilities and drawing up terms of reference for engineering consultants to do feasibility studies.

Experts (man/months)	-	1968	1/1
Cost	-	1968	\$2,500

Latin America

Nicaragua - 67/109: ICAITI (Central American Research Institute for Industry) is to assist the Government as subcontractor under SIS funds in the evaluation of a petrochemical project based on indigenous surplus hydrochloric acid. Besides examining the viability of establishing such plant, ICAITI will study the Central American market for synthetic resins as well as make recommendations with regard to the advisability of manufacturing additional types of synthetic resins.

		<u>1968</u>	
Consulting firm	ICAITI	4 months	
Cost		\$7,600	

(c) Pulp and paper

2. Special industrial services

(a) Projects added or amended

Africa

United Arab Republic - SIS 67/96: An expert to assist the Government in examining the offers received in conjunction with the establishment of a newsprint plant and, inter alia, in examining the need for, and advisability

Group 4 (continued)

of, establishing a pilot plant in terms of technology developed elsewhere as well as in terms of specific conditions prevalent in the United Arab Republic.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$4,000

Asia and Far East

Afghanistan - SIS 67/125: An expert is being provided to investigate the feasibility of modernizing a match factory, and to provide the Government detailed recommendations regarding machinery and equipment. If it is not found feasible to modernize the factory, he is to recommend possible alternatives for developing the match industry.

Experts (man/months)	-	1968	1/3
Cost	-	1968	\$6,000

Latin America

Peru - 67/161: A specialized consulting engineering firm is to carry out a complete technical and economic study to determine the feasibility of establishing a bagasse pulp and paper mill in or near Chiolazo, Peru.

		<u>1968</u>	
Consulting firm		5 months	
Cost		\$72,000	

Group 5 Fertilizer Industries

A. Field projects

Special industrial services

(a) Projects added or amended

Africa

Guinea - SIS 67/197: The services of an expert are being provided to make a preliminary study for the production of organic fertilizers in Conakry using the city's garbage. The expert will advise on the economic and technical viability of the project.

Experts (man/months)	-	1968	1/1
Cost	-	1968	\$4,000

Madagascar - SIS 67/192: The services of an expert to investigate the market for nitrogen fertilizers (particularly urea) in Madagascar and in East Africa and to study production and export possibilities.

Experts (man/months)	-	1968	1/6 weeks
Cost	-	1968	\$4,000

United Arab Republic - SIS 67/56: As a result of an SIS exploratory mission, concerning the establishment of a phosphorous complex, assistance of two experts is being provided, one for determining final location and capacity and the other to draw up designs for the phosphorous complex.

Experts (man/months)	-	1968	2/6 weeks
Cost	-	1968	\$6,000

Asia and Far East

Indonesia - SIS 67/173: An expert will assist the Indonesian Government in studying the conditions of a sulphur plant, analysing the development possibilities and drawing up terms of reference for engineering consultants to conduct feasibility studies.

Experts (man/months)	-	1968	1/1
Cost	-	1968	\$2,500

Group 6 Light Industries

A. Field projects

1. Textiles and clothing

Regular programme and UNDP/TA

(b) Projects cancelled

Ceylon - UNDP/Revolving Fund; ED-482/Rev.3: Cancelled at Government's request.

Special industrial services

(a) Projects added or amended

Africa

Guinea - SIS 67/187: One expert is being provided to assist the Government in preparing the techno-economic feasibility study of a cotton ginning pilot plant.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Kenya - SIS 67/157: Two experts are being provided by UNIDO to analyse the techno-economic problems of the textile industry in Kenya and to advise the Government on future course of action, taking into consideration the larger framework of the East African Common Market.

Experts (man/months)	-	1968	2/6
Costs	-	1968	\$15,000

Mauritius - SIS 67/138: Changed to read as follows:

Funds have been provided to finance two experts, (one textile technologist and one marketing expert) who will study the prevailing conditions at a government-owned sack factory. The factory has been encountering difficulties, presumably because of inefficient production methods, and a thorough study of the existing conditions will have to be made before a reorganization of this factory can take place.

Experts (man/months)	-	1968	2/8
Cost	-	1968	\$19,000

Mauritius - SIS 67/137: The Government of Mauritius is being provided with the services of an expert for two months to evaluate a techno-economic feasibility report for the establishment of a textile industry in Mauritius, as submitted by a private consultant to the Government. Advice on financing the preparation of the feasibility study into a project-loan document and securing financial investment for the project will also be given.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Group 6 (continued)

United Arab Republic - SIS 67/83: A textile technologist will assist in the Cotton Textile Consolidated Fund, a public sector organization, in drawing up plans for the extension of the Textile Research Laboratory which is operated by the Fund.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$4,000

Asia and Far East

Ceylon - SIS 67/216: A team of two experts, one textile engineer and one industrial economist, are to be provided for a period of four months to assist the Government in preparing a basic plan for the development of the textile industry. The experts will, in particular, be expected:

- (a) To make a survey oriented to pinpoint the actual textile installed production capacity, its characteristics and utilization, the characteristics of the mills according to degree of integration and the characteristics of the textiles produced and consumed;
- (b) To prepare projections of the future consumption and to plan the import substitution; to point out possibilities of increasing the production without any significant investment through a more rational use of the available machinery and to define new lines of investment; to prepare the guidelines for the future planning and to define the means and requirements for its implementation.

Experts (man/months)	-	1968	2/8
Cost	-	1968	\$20,000

China - SIS 67/120: Due to the scarcity of natural fibres such as wool and cotton, the man-made fibre industry is important for the industrial development of Taiwan. An expert will, therefore, draw up guidelines for the future development of such an industry, with special emphasis on maintaining standards of high quality.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$15,000

Malaysia - SIS 67/113: Changed to read as follows:

A textile expert will make a comprehensive study of the local textile market to set up guidelines for future policy. At present, most of the cloth used in the country is of foreign origin, but information regarding quantities and types of cloth imported is lacking. If an indigenous industry is to be viable a sound market analysis will be necessary to form the basis for future policy decisions.

Experts (man/months)	1967	1/1	1968	1/5
Cost	1967 and 1968		\$15,000	

Group 6 (continued)Latin America

Argentina - SIS 67/207: An expert with wide experience in textiles in general, and in wool and cotton in particular, will be assigned for a period of nine months to the Textile Research Center of the INTI. The assignment might be on an intermittent basis. He will advise on the operations of the Center specifically in regard to:

- (a) Operation and equipment of the textile laboratory and establishment of the quality control service;
- (b) Establishment of a technical documentation unit to serve not only the textile center dependent of INTI but the whole industry in general;
- (c) Assistance to the Argentine textile (wool and cotton) industry by means of dictating conferences and initiating seminars etc. in quality control systems;
- (d) Improvement of the quality standards of textile goods.

Experts (man/months)	-	1968	1/9
Cost	-	1968	\$24,000

Peru - 67/188: Two experts to assist the National Institute for Industrial Promotion (INPI) in a comprehensive analysis of industrial production costs in all branches of the country's textile industry.

Experts (man/months)	-	1968	2/6
Cost	-	1968	\$15,000

2. Food processingSpecial industrial services(a) Projects added or amendedAfrica

Algeria - SIS 67/85: Changed to read as follows:

An expert will assist in working out a re-organization plan for a group of four biscuit and pastry factories, which have been placed under central management. Furthermore, he will give advice on matters relating to supply, specialization of production, quality control, sales and re-organization of the complex. This project is also reported under industrial policies and programming.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Group 6 (continued)

Algeria - SIS 67/86: An expert is being provided to advise on the managing of four fruit and vegetable processing plants, none of which is operating efficiently. The expert will focus his attention primarily on technical and economic aspects of management but will also advise on the re-organization of the four factories and on supply of raw materials.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Congo (Brazzaville) - SIS 67/151: Changed to read as follows: One expert is being provided to advise the Government in modernization of palm-oil extraction plants and the establishment of a palm-oil refining plant.

Experts (man/months)	-	1968	1/4
Cost	-	1968	\$9,000

Congo (Brazzaville) - SIS 67/171: An expert is to be assigned to the Government of Congo to assist in the following:

- (a) To study the actual situation of the pineapple canning project undertaken by the Libby Company;
- (b) In reference to the evaluation resulting from (a), to undertake a prefeasibility study of an agro-industrial complex to manufacture canned pineapple slices, juice etc.;
- (c) To make the necessary recommendations, if the results of his findings are favourable, for the necessary steps to be taken for the establishment of a pineapple canning industry.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$5,000

Ethiopia - SIS 67/141: An expert on hide and skin marketing is to be provided for a duration of one year, with possibility of extension, to assist the Livestock and Meat Board of the Ethiopian Government, to create and organize a complete hides and skins purchasing and export organization to meet the requirements and specifications of the leather producing and processing industry. He will assist in drafting the necessary laws, rules and regulations for standardization and grading of hides and skins; organizing the purchasing centres; upgrading the quality of the farmers' preparation by introducing purchase on the basis of quality; and informing of up-to-date dehydrating and conservations techniques. The expert should train the respective counterparts during his stay in all the activities above-mentioned.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$25,000

Ethiopia - SIS 67/142: Provision of services of an expert to advise the Government on the best process to prepare coffee for export.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$26,000

Group 6 (continued)

Guinea - SIS 67/186: A chemical engineer will assist the Government in establishing a research, test and control laboratory for vegetable and essential oils. A fellowship for six months is also included in the project.

Experts (man/months)	-	1968	1/3
Fellows (man/months)	-	1968	1/6
Cost	-	1968	\$10,000

Kenya - SIS 67/122: A food technologist is required to prepare a feasibility study on dry and wet maize milling and to make suggestions for the project implementation.

Experts (man/months)	-	1968	1/4
Cost	-	1968	\$10,000

Kenya - SIS 67/124: The services of a vegetable oil technologist, who is an expert in castor oil production and reproduction is to be provided for a period of six weeks to evaluate the existing feasibility study prepared by the Industrial and Commercial Development Corporation (I.C.D.C.) of a castor oil factory in Kibwezi, in order to re-elaborate the study in accordance with his findings, to propose specific assistance which can be provided, under SIS, for implementing the project, including assistance to the I.C.D.C. to find partners willing to enter a joint venture delivering management services and financial support to realize the project.

Experts (man/months)	-	1968	1/6 weeks
Cost	-	1968	\$5,000

Madagascar - SIS 67/154: A mission consisting of two experts will assist the Government to solve a variety of problems in connexion with the setting up of a new enterprise, Tulear Vegetable Oil Company, and provide training of local counterparts.

Experts (man/months)	-	1968	2/24
Fellows (man/months)	-	1968	4/19
Cost	-	1968	\$60,500

Mali - SIS 67/183: A team of two experts will be provided to the Government of Mali to review the present situation in meat processing production and recommend necessary steps to improve the quality of production, the supply of raw material, the productivity and specialization of present and future factories, and to explore the development of the domestic and export markets. In addition to this, a comprehensive programme of integrated agro-industrial development of the whole animal protein production will be prepared and submitted. They will also make recommendations for further United Nations assistance, if necessary.

Experts (man/months)	-	1968	2/6
Cost	-	1968	\$13,000

Group 6 (continued)

Somalia - SIS 67/140: A food processing expert will be provided for a two or three weeks exploratory and advisory mission to Somalia for the purpose of obtaining first-hand information of the equipment, production programmes and raw materials of food processing plants in Somalia and to draw up a programme for further assistance to these plants under SIS.

Experts (man/months)	-	1968	1/2-3 weeks
Cost	-	1968	\$1,200

Togo - SIS 67/166: An expert is to be assigned to the Government of Togo during six months to undertake an investigation of the possibilities of establishment of a plant to manufacture dry cassava flakes for export.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Tunisia - SIS 67/73: Changed to read as follows:

Vegetable oil technologist to assist the Société Industrielle de Moknine to bring the plant into high efficiency operation. He will also investigate the feasibility of processing other oil bearing fruit in order to operate the factory on a year-round basis.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$14,000

Latin America

Argentina - SIS 67/206: A food development technologist to evaluate the present situation of different branches of the food processing industry and to make a programme for further development.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$24,000

Dominican Republic - SIS 67/205: A project for a mission of one food processing technologist was approved for a period of one year in order to make feasibility studies and pre-investment projects for the most important food industries.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$24,000

Ecuador - SIS 67/98: A UNIDO staff member will assist a government financing institution in solving certain problems in connexion with the processing of naranjilla fruit.

Experts (man/months)	-	1968	1/2 weeks
Cost	-	1968	\$750

Group 6 (continued)

3. Tanning and leather

Regular programme and UNDP/TA

(a) Projects added or amended

Malaysia - UNDP/TA; 19-66: A footwear expert is assisting the factory manufacturing branch of the leather tannery project.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$22,000

INDUSTRIAL AND INSTITUTIONS DIVISION

Group 7 Industrial Legislation, Patents and Licensing

A. Field projects

1. Regular Programme and UNDP/TA

(a) Projects cancelled

Asia and Far East

Singapore - P.S. No. 264-61: This project has been cancelled under the UNIDO programme. It is now handled by the Fiscal and Financial Branch of the United Nations, New York.

2. Special industrial services

(a) Projects added or amended

Asia and Far East

Singapore - SIS 67/129: A Fire Safety expert is to assist the Singapore Government in reviewing the existing legislation on fire safety, governing the construction of factory buildings, the transport and storage of petroleum products, chemicals and inflammable materials; recommend changes in this legislation; advise on the establishment of technical standards enforcing the fire safety.

Experts (man/months)	-	1968	1/6
Cost	-	1968	\$15,000

C. Studies and research

Delete para. 119 (ID/B/20/Rev.1) and replace by the following:

119. There appears to be considerable interest in the publication by UNIDO of an authoritative compilation of industrial legislation, including patent laws, investment laws and regulations etc. on a world-wide basis. A good deal of preliminary work has been done by the United International Bureau for the Protection of Intellectual Property (BIRPI) and the Department of Economic and Social Affairs of the United Nations in assembling material for such publications. To accumulate, translate and publish such a series would require expenditures on the order of \$50,000 to \$100,000 annually. The implementation of this project is subject to the availability of funds.

Group 8 Industrial Research, Standardisation and Quality Control; Industrial Information

A. Field projects

(a) Industrial research

2. Regular Programme and UNDP/TA

(a) Projects added or amended

Europe and Middle East

Bulgaria - P.S. 236/67: Fellowships in Hydraulics.

Fellows (man/months)	1967 and 1968	4/21
Cost	1967 and 1968	\$7,500

(b) Projects cancelled

Europe and Middle East

Israel - P.S. 243/57: Cancelled at Government's request.

(b) Standardisation and quality control

2. Regular Programme and UNDP/TA

(a) Projects added or amended

Asia and Far East

Burma - P.S. No. 1/57: Mechanical engineer to assist the Union of Burma Applied Research Institute in setting up a metallurgy laboratory and other facilities for testing calibration and certification of scientific and precision instruments.

Experts (man/months)	-	1968	1/4
Cost	-	1968	\$7,200

(b) Projects cancelled

Latin America

Barbados - (Industrial Standards Adviser): This project has been removed from the 1968 Programme since its implementation has been completed in 1967.

Group 8 (continued)

C. Studies and research

Replace para. 128 (a) (ID/B/20/Rev.1) by the following paragraph:

- (a) Advisory services on industrial equipment. This activity is undertaken in response to ECOSOC resolution 1183 (XLI) on provision of advice to governments of developing countries in matters of selection and procurement of industrial equipment. Following recommendations of an expert group meeting in November 1967 in New York, the implementation of this activity is to be carried out by UNIDO staff with the assistance of consultants. The estimated cost of the project is \$20,000 to be financed under the regular UNIDO budget.

Following "E Publications" at the end of Group 8, add Section F as follows:

F. Special projects

Industrial promotion service Concurrently with the International Symposium in Athens, UNIDO undertook to operate an Industrial Promotion Service which matched needs for external financial and technical assistance in developing countries with public and private sources of such assistance. This project was generally successful, and the Symposium recommended that UNIDO provide such a service on a continuing basis. UNIDO will, seek to follow up this operation in 1968 within the available funds, involving work both in Vienna and in developing and industrialized countries. This work is closely related to the Industrial Information Service. An estimated amount of \$30,000 will be used for this project, subject to availability of funds.

Group 9 Industrial Consulting Services and the Organizational and Administrative Machinery for Industrial Development

A. Field projects

1. Special Fund Projects

(a) Projects added or amended

Africa

Mauritius: Industrial Promotion Centre. The object of this project is the establishment and initial operation of an Industrial Promotion Centre to provide the Government and industry with a number of urgently needed industrial services, thus promoting the acceleration of industrial development and helping to attract domestic and foreign investment. The project is for a duration of three years and provides for expert services for twelve man-years and fellowships for four man-years. The total cost of the project is \$540,000 including UNDP Special Fund Governing Council earmarking of \$400,000 and a Government counterpart contribution of \$140,000.

Ivory Coast: Centre for Research and Industrial Promotion. The objective of this project is the establishment and initial operation of a Centre for Research and Industrial Promotion to provide the Government and industry with a number of urgently needed industrial services; thus promoting the acceleration of industrial development and help to attract domestic and foreign investment. The project is for a duration of three years and provides for expert services for fifteen man-years and fellowships for ten man-years. The total cost of the project is \$950,000 including UNDP Special Fund Governing Council earmarking of \$550,000 and a Government counterpart contribution of \$400,000.

2. Special Industrial Services

(a) Projects added or amended

Africa

Sudan - SIS 67/60: A team of two top-level consultants is studying the existing organization and administration of public sector industries, and will recommend to the Government improvements and/or changes necessary in improving over-all efficiency as well as quantity and quality of industrial production.

Experts (man/months)	-	1968	2/4
Cost	-	1968	\$10,000

Group 9 (continued)

C. Studies and Research

Add the following paragraphs after para. 142 (ID/B/20/Rev.1):

142a. Preparatory studies and work will be undertaken in 1968 looking toward operation in 1969 of special programmes of UNIDO assistance to developing countries in the setting up of new types of institutions for the improvement of existing industrial production and the establishment of additional factories. Such institutions would include industrial equipment maintenance centres on which considerable emphasis was placed by the Athens Symposium; industrial co-operatives; industrial franchising organizations and international industrial equity capital funds. The estimated cost for this preparatory work is \$16,000 for consultant fees, subject to availability of funds.

142b. Industrial Consulting Services: In view of the shortage of qualified field experts, particularly in connexion with the implementation of SIS projects, it is planned to explore possibilities for expanded use of services of consulting firms. The following additional steps are planned, pursuant to discussions initiated at the Athens Symposium:

- (a) To explore the possibilities of developing a system of "task order contracts" between UNIDO and consulting organizations;
- (b) To investigate the possibilities of organizing a consulting consortium which would serve the developing countries with expert services. The estimated cost for consulting services in connexion with these activities is \$10,000, subject to the availability of funds.

Group 10 Industrial Management and Industrial Training1. Industrial managementA. Field projects1. Regular programme and UNDP/TA(a) Projects added or amendedEurope and Middle East

Israel - P.S. No. 243/57: Two experts to advise the staff of a school of art, crafts and design on methods of training in the fields of industrial and graphic designs respectively.

Experts (man/months)	-	1968	2/4
Fellows (man/months)	-	1968	2/6
Cost	-	1968	\$15,200

(b) Projects cancelledAsia and Far East

Burma - P.S. No. 1/57: This project has been cancelled with UNIDO. It is now handled by the Fiscal and Financial Branch of the United Nations, New York.

2. Special industrial services(a) Projects added or amendedAfrica

Ghana - SIS 67/163: Nine OPEX experts will be provided to assist in the re-organization of the State Enterprises Secretariat. The experts will be assigned the following posts within the SES or its associate or subsidiary companies: Director, Administrative Services; Director, Investments; Director, User Industries; Group Executive, Construction Industries; Group Executive, Food Industries; Manager, Central Procurement; a Production Technologist; Specialist, Employee Motivation and Salary Policies; and Specialist, Job Description and Evaluation.

Experts (man/months)	-	1968	9/192
Cost	-	1968	\$384,000

Group 10 (continued)

Liberia - SIS 67/79: Transferred from Group 12 and changed to read as follows:

In connexion with the SIS steel projects a fellowship award has been granted for an Industrial Economist. As a counterpart to an UNTA expert to be attached to a special co-ordinating unit established within the country's Department of Planning and Economic Affairs for the steel project.

Fellows (man/months)	-	1968	1/8
Cost	-	1968	\$3,600

Asia and Far East

Indonesia - 67/175: An expert will assist the Government of Indonesia in setting up production planning and control systems in three selected medium-sized shipyards in Djakarta and Surabaya.

Experts (man/months)	-	1968	1/9
Cost	-	1968	\$20,000

Indonesia - SIS 67/177: A team of two experts is to assist the Government of Indonesia in setting up product planning and control systems, introducing product costing and budgetary procedures, optimising existing product assortment and increasing technical and economic productivity in three state-owned paper mills.

Experts (man/months)	-	1968	2/9
Cost	-	1968	\$40,000

B. Expert group meetings, seminars, group training and workshops

1. Industrial Consultation Workshops

Delete paras. 147 and 148 of document ID/B/20/Rev.1 and replace them by the following paragraphs:

146a. Following the first project of this type in Yugoslavia in October 1967, it was considered that the effectiveness of this activity would be considerably enhanced by some changes in the format and emphasis; namely, by elimination of formal training sessions and placing the emphasis on direct plant visits and group discussions of specific management problems between visiting management specialists and top executives of local industry in the developing countries.

147. Accordingly, this type of industrial advisory and problem-solving missions are planned in response to country requests in the following countries and fields in 1968: Indonesia (industrial costing and market promotion); United Arab Republic

Group 10 (continued)

(systems analysis, including the application of electronic computers); Peru (corporate planning and organization in the textile industry); Ghana (operating state-owned enterprises); Yugoslavia (decentralization of industry and market promotion); Turkey (industrial design and product development); and Bolivia (managerial problems in the mining industry).

148. The first such project in Indonesia will be financed from the UNIDO budget because the urgency is such that there may not be sufficient time to process a SIS request. It is anticipated that subsequent projects would be financed under the SIS programme.

2. Industrial trainingA. Field projectsSpecial Fund projects(a) Projects added or amendedEurope and Middle East

Turkey - TUR 29: In-plant Training Centre for Engineers, Kirikkale. The purpose of this five-year project is to assist the Government of Turkey in establishing an in-plant training centre for engineers. The specific objectives are:

- (a) To provide on-the-job training facilities for engineers fresh from university in order to enable them to acquire the practical knowledge and skills required of plant or factory processes; and
- (b) To up-grade the operating skills of presently-employed engineers particularly in modern industrial methods.

UNDP earmarkings	\$1,420,300
Government counterpart contribution	\$3,000,000
Duration	5 years
Experts	30 man-years
Fellowships	18½ man-years

Group 10 (continued)

C. Studies and research

Insert following para. 165 (ID/B/20/Rev.1) the following new paragraphs:

165a. Based on new developments in programmed learning and related techniques, UNIDO plans to explore, in 1968, possibilities for rapid expansion of industrial training in developing countries through correspondence methods. This work will be conducted in close co-operation with I.I.C. and UNESCO. The estimated cost is \$8,000 for consultant services, subject to availability of funds.

165b. Based on the recommendations of the Athens Symposium, UNIDO will explore, in co-operation with I.I.C., further steps to encourage and assist the development of unified industrial training organizations in developing countries. Estimated expenditures for consultant services and related costs will be \$12,000, subject to the availability of funds.

Group 11 Special Problems and Institutions for Small-Scale Industry including Industrial Estates

A. Field projects

1. Special Fund Projects

(a) Projects added or amended

Africa

United Arab Republic - 66: Institute of Small Industries, Giza (Phase II). The purpose of the project, the duration of which is two years, is to assist the Government in the further operation of the Institute of Small Industries. With this assistance the Institute is expected to become fully competent to render the following services to small-scale industries:

- (a) Training relating to the introduction of improved technology, administrative control and management techniques;
- (b) Extension and consulting services;
- (c) Research on production problems;
- (d) Economic research on financing and marketing problems;
- (e) Operation of an information service for small industrialists.

The International Labour Organisation was the Participating and Executing Agency for Phase I of this project and has been designated Participating and Executing Agency for Phase II in association with UNIDO.

Europe and Middle East

Turkey - 25: Small Industries Development Programme. The purpose of this project is to assist in the establishment of a small industries development centre in Ankara and a demonstration industrial estate in Gaziantep with a view to promoting the development of small-scale industries through training and demonstration.

This project was approved for preliminary operations by the Governing Council during its Fourth Session in June 1967. The project is recommended for approval by the Governing Council at its Fifth Session. The full cost of the project will be \$2,202,800, of which \$962,800 are Governing Council earmarkings and \$1,240,000 are to be provided by the assisted country.

Experts (man/months)	1967	3/18	1968	4/42
Fellows (man/months)	1967	1/6	1968	3/18

Saudi Arabia - SAA-14: Industrial Studies and Development Centre. The Centre is engaged, among other things, in the establishment of industrial estates. (This project is mentioned in more detail under Group 12).

Group 11 (continued)

2. Regular Programme

(a) Projects added or amended

Africa

After the paragraph on Morocco ID-82 add the following:

Morocco - ID-82: Expert to advise on the development of small-scale industries.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$3,800

Europe and Middle East

Yugoslavia - P.S. No. ID-300: Fellowships in small-scale industries and industrial estates.

Fellows (man/months)	-	1968	3/8
Cost	-	1968	\$3,200

3. UNDP/TA Programme

(a) Projects added or amended

Africa

Burundi - P.S. No. 304-67: Adviser on small-scale industries related to industrial estates.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$22,000

(b) Projects cancelled

Asia and Far East

Solomon Islands - P.S. No. 132-67: This project has been cancelled with UNIDO and transferred to the International Labour Organisation.

Latin America

Uruguay - P.S. No. 483-57: Cancelled at Government's request in order to extend contract of an expert in Public Administration.

Group 11 (continued)4. Special Industrial Services(a) Projects added or amendedAfrica

Ethiopia - SIS 67/105: The services are being provided of a management accounting expert as adviser to the Ethiopian Investment Corporation (EIC). The expert is to examine and assess existing accounting systems and the managerial organization of some of the EIC's industrial undertakings. On the basis of this survey he will also make the necessary recommendations for improving this managerial efficiency, especially the development of modern and effective costing and accounting services.

Experts (man/months)	1967	1/3	1968	1/3
Cost	1967 and 1968		\$14,000	

Madagascar - 67/149/MAA-3: An expert in industrial estates (industrial economist or engineer) to review the policies and programmes of development of small-scale industry and establishment of industrial estates and to prepare a project for setting up a pilot industrial estate.

Experts (man/months)	-	1968	1/6 weeks
Cost	-	1968	\$4,000

Malawi - 67/179: An industrial engineer, expert in small-scale industries, to advise the Ministry of Trade and Industry on the formulation and implementation of a comprehensive programme of small-scale industry development. This includes carrying out surveys of prospects of small-scale industry development in various locations in the country, preparing "industry fact sheets" and setting up an industrial extension service for small-scale industries.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$24,000

Senegal - 67/184: An industrial engineer, expert in small-scale industries, to advise on the transformation of the military installations at Thiès into an industrial estate. He will assist in the implementation of this project and formulate necessary recommendations on the assistance which might be subsequently requested from the United Nations.

Experts (man/months)	-	1968	1/12
Fellows (man/months)	-	1968	3/24
Cost	-	1968	\$32,000

Group 11 (continued)

Zambia - 67/156: A team of two experts (one industrial economist and one industrial engineer) to survey and identify possibilities for the establishment of industries in Zambia, especially in rural and other undeveloped areas, to prepare preliminary feasibility studies and to make recommendations on their implementation. The team will advise the Government on methods to be employed in co-ordinating industrial development in the rural areas within the over-all provincial development planning.

Experts (man/months)	-	1968	2/12
Cost	-	1968	\$28,000

Asia and Far East

Indonesia - SIS 67/174: A management consultant is being recruited to advise the General and Production Managers at three spinning mills on the instalment and management of an improved organization production planning and control schemes, and incentive schemes related to productivity.

Experts (man/months)	-	1968	1/9
Cost	-	1968	\$20,000

Indonesia - SIS 67/176: A production planning and control adviser is under recruitment to advise the General Managers at three mechanical industries - workshops, belonging to the Government, on the installation and management of production planning and control schemes to fit the regular production and the manufacture of spare parts. He is also supposed, together with two other SIS advisers, to advise on specialization policies as to which regular products and spare parts should be manufactured in each of the three factories concerned. (This project is also reported under Group 1).

Experts (man/months)	-	1968	1/9
Cost	-	1968	\$20,000

Latin America

Brazil - 67/226: An industrial engineer to advise the Department of Industry and Commerce of the State of Bahia on the establishment of a Central Service which will provide technical and managerial assistance to small-scale and medium-sized industries expected to be established in the Aratu industrial zone.

Experts (man/months)	-	1968	1/2
Cost	-	1968	\$3,000

Dominican Republic - SIS 67/170: A marketing expert is being recruited to advise the Industrial Promotion Corporation on the possibilities of domestic and foreign markets for both industrial and agricultural products.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$24,000

Group 11 (continued)

Jamaica - SIS 67/153: An OPEX management expert is being recruited as Director/Management of "Things Jamaican", an organization entrusted by the Government with promoting handicrafts. The main duties of the expert will be to co-ordinate design and production of handicrafts with sales through the organization's own chain of retail stores. Exports to foreign markets will also be emphasized. The OPEX expert will have as counterpart a Deputy Director who will be a Jamaican national.

Experts (man/months)	-	1968	1/12
Cost	-	1968	\$18,000

Peru - SIS 67/188: Two experts are to assist the National Institute for Industrial Promotion (INPI) in a comprehensive analysis of industrial production costs in all branches of the country's textile industry.

Experts (man/months)	-	1968	2/6
Cost	-	1968	\$15,000

B. Expert group meetings, seminars, group training and workshops

Insert following para. 171 (ID/B/20/Rev.1) the following new paragraphs:

171a. A meeting on the Development of Small-Scale Industries in the Arab Countries of the Middle East, sponsored jointly by the United Nations Industrial Development Organization and the United Nations Economic and Social Office in Beirut, will be held for a week during the second half of 1968. The meeting will be a follow-up of the Consultative Group on Industrial Areas and Industrial Estates, held for the same group of countries during 1966. The cost of the project to UNIDO will be \$4,500.

171b. With a view to meeting the rapidly increasing needs of developing countries for experts in small-scale industry, special training programmes for experts from the industrial countries will be organized by UNIDO in co-operation with interested member governments. A programme of this type has already begun to operate in France under the joint sponsorship of the Société d'Aide Technique et de Coopération (SATEC), and the French General Confederation of Small-scale and Medium-scale Enterprises. It is planned to organize similar programmes in other industrial countries.

Group 11 (continued)

E. Publications

Insert section on publications following para. 172 (ID/B/20/Rev.1) as follows:

Promotion of Small-scale Industries in the Developing Countries. The publication will include studies on the definition of small-scale industry, the role of small-scale industry, pre-investment studies, industrial extension, industrial experts etc.

INDUSTRIAL POLICIES AND PROGRAMMING DIVISION

Group 12 Industrial Programming and Projects

A. Field projects

2. Regular Programme and UNDP/TA

(a) Projects added or amended

Africa

Mali - UNDP/TA; P.S. No.6-66: Changed to read as follows:

Implementation delayed into 1967-68. An industrial economist under an OPEX appointment in the Ministry of Public Works, Communications and Energy for the development of iron and steel, aluminium and cement industries from the resources surveyed in the west, north-west and south-east of the country.

Experts (man/months)	1967	1/6	1968	1/6
Cost	1967	\$15,000	1968	\$15,000

Europe and Middle East

Iraq - P.S. 168/39: An expert to assist and advise the government in preparing feasibility studies for various industries.

Experts (man/months)	1967	1/12	1968	1/3
Cost	1967	\$25,000	1968	\$15,700

Saudi Arabia - Regular ID/896: Fellowship in industrial development.

Fellows (man/months)	-		1968	1/6
Cost	-		1968	\$3,600

Middle East Regional - Regular ID/852: A regional adviser on industrial development.

Experts (man/months)	1967	1/12	1968	1/7
Cost	1967	\$27,550	1968	\$19,000

(b) Projects cancelled

Africa

Cameroon - P.S. No.259/63: Cancelled due to lack of funds. Request will be taken up in subsequent year.

Lesotho - UNDP/Revolving Fund 7-050-252: Cancelled at Government's request.

Group 12 (continued)

Morocco - UNDP/TA; P.S. No. 421-57: Cancelled at Government's request to finance a post in tourism.

Latin America

Argentina - P.S. No.111/57: (Two experts in industrial complexes location). Cancelled at Government's request to establish other posts.

3. Special industrial services

(a) Projects added or amended

Africa

Liberia - SIS 67/79: This project has been changed and transferred to Group 10.

Liberia - SIS 67/64: A top-level adviser is being assigned to the Government for specific periods of time to provide advisory services regarding the iron and steel project. The major tasks for the adviser are:

- (a) To assist in contacting various prospective financing sources; and
- (b) To visit Liberia from time to time for high-level consultations.

(This project has also been reported under metallurgical industries).

Experts (man/months)	1967 and 1968	1/4
Cost	1967 and 1968	\$30,000

Dahomey and Togo - SIS 67/199: A team of specialists is to assist the Governments of Dahomey and Togo in surveying the industrial development potentialities of the countries and the possible avenues of co-operation in this field between them. The mission should be carried out during five months of which two months should be spent in each country to study its industrial development prospects and the last month be devoted to the possibilities of industrial co-operation and co-ordination between the two countries and to measures to implement recommendations in this field.

Experts (man/months)	-	1968	8/12
Cost	-	1968	\$52,500

Mali - SIS 67/167: Three experts, two industrial economists and one industrial engineer, will make a survey of the functioning of existing state-financed industrial enterprises from the technical and economic standpoint and make suitable recommendations to improve their situation.

Experts (man/months)	-	1968	3/36
Cost	-	1968	\$72,000

Group 12 (continued)

Asia and Far East

China - SIS 67/116: The service of three experts in the fields of electrical appliances, agricultural implements and packaging, and related materials industries are to be provided to assist the CPTC in conducting surveys of these industries with a view to ascertaining the potential for expansion of exports, to improving productivity and to make necessary recommendations for remedying present deficiencies.

Experts (man/months)	-	1968	3/9
Cost	-	1968	\$19,500

Latin America

Mexico - SIS 67/132: The services of an expert are being provided for one year to assist in the evaluation of manufacturing projects with special regard to their impact on other sectors of the economy. The expert is being attached to the Nacional Financiera S.A., an autonomous government institution created for the purpose of promoting industrial development through financial and technical assistance.

Experts (man/months)	1967	1/6	1968	1/6
Costs	1967	\$10,500	1968	\$10,500

(b) Projects cancelled

Latin America

Costa Rica - SIS 67/59: Cancelled at Government's request.

B. Expert group meetings, seminars, group training and workshops

Insert following para. 180, the following new paragraph:

180a. An ad hoc working group of experts on industrial project formulation and

Evaluation. Operational activities in this field have reached a point where stock-taking and re-evaluation by a group of experts is needed. The experts will critically examine the technical documentation, case studies, training programmes and operational field activities in order to make recommendations for the most effective future course of action by UNIDO staff in this field. Preparatory work for this ad hoc meeting to be held in 1969 will be undertaken by UNIDO staff during 1968.

Group 12 (continued)

C. Studies and research

3. Regional planning and location

Para 184: Add the following as a final sentence:

Subject to the availability of funds the guide will be prepared by UNIDO staff assisted by consultants.

Para 185: Delete para. (the ad hoc meeting of experts on regional planning has been cancelled).

Following para. 189 (before Section D) insert the following new sub-sections, numbers 5 and 6:

5. Supporting research for project promotion, evaluation, implementation and programming

189a. The need for supporting research in the form of documents that can be used by UNIDO field experts and local personnel in the field of project promotion, formulation, evaluation, implementation and programming has increased substantially over the past two years. Based on the analysis of requests from the field for documentation and case studies, UNIDO's activities in this area will cover import-substituting and export-promoting industrial projects, joint bilateral or multi-lateral industrial projects and programmes, and adaptation of cost-benefit methodology to complex industries such as fertilizers, iron and steel etc. The work will be done by the UNIDO staff with the assistance of outside experts. The cost of this support research in consulting funds is estimated to be \$15,000.

6. Industrial programming data

189b. In addition to the activities stated in paras. 177, 183 and 184, there are programmed additional activities to be financed from the unencumbered balance of the Swedish Grant (Trust Fund for Industrial Development No. 22680-000). These are:

- (a) Collection of basic data for profiles of manufacturing establishments from two developing countries; one in the ECLA region and the other in the ECAFE region. Both of these projects are to be carried out by the relevant regional economic commissions under the UNIDO guidance and sponsorship. The estimated costs \$11,000.

Group 12 (continued)

- (b) Research on the feasibility of establishing a permanent machinery for interregional data-banking services in the field of industrial programming and project planning. This takes the form of basic working materials to be prepared and discussed by the International Working Party on Industrial Programming Data. The preparation of these materials will be done in co-operation with the regional economic commissions with the help of special consultants. The estimated cost in consultant funds for 1968 is \$10,000.
- (c) Analytical edition of the primary data accumulated from previous country projects for publication purposes. The re-organization of the existing industrial programming data for general dissemination will be assisted by locally recruited assistant-consultants. The cost of these services in 1968 is estimated at \$4,000.

Group 13 Industrial Policies and Industrial Financing

A. Field projects

1. Regular Programme and UNDP/TA

(b) Projects cancelled

Africa

Malawi - P.S. No. 268/65: Cancelled at Government's request.

2. Special industrial services

(a) Projects added or amended

Africa

Cameroon - SIS 67/165: An expert in industrial financing is to be assigned to the National Investment Corporation (N.I.C.) for one year to advise on the following:

- (a) To undertake studies of financial operations designed to promote the industrial development of the country;
- (b) To study the granting of loans based on the terms defined in the internal rules and regulations of N.I.C. for the financing of industrial enterprises of special economic or social interest;
- (c) To advise in the acquisition of shares of industrial enterprises supported by N.I.C.
- (d) To advise on the management of securities owned by the State and resulting from public collections.

Experts (man/months)	-	1968	1/12
Costs	-	1968	\$24,000

Tunisia - 67/224: An expert is to be assigned to the Centre for Investment Promotion for a period of three weeks to help in the arrangements and documentation for holding a seminar on national and international aspects of promoting foreign investment into Tunisia.

Experts (man/months)	-	1968	1/3 weeks
Cost	-	1968	\$2,500

Group 13 (continued)

B. Expert groups, seminars and other meetings

Following para. 197 (ID/B/20/Rev.1) insert the following additional paragraphs:

3. Workshops on financial planning of industrial projects

197a. Two workshops are in their final stages of preparation. The first is envisaged to be held in Africa for the English-speaking African countries in co-operation with the African Development Bank. The second is a regional workshop for Pakistan, Iran and Turkey, to be held in July 1968. The cost of each meeting will be \$10,000, subject to availability of funds.

4. Training programme on techniques of investment promotion

197b. This programme is co-sponsored by UNIDO and UNITAR and has been developed for the benefit of officials from interested developing countries. The programme, which is to be operational in 1968, would initially involve twelve officials who would benefit from United Nations fellowships. It is programmed to be held in New York. The UNIDO contribution of the cost is \$25,000, subject to availability of funds.

5. Meeting of investment promotion centres in Europe

197c. Similar to the meeting held in New York of the Investment Promotion Centres of developing countries held in 1967, a meeting is programmed to be held in Vienna in 1968, subject to availability of funds.

C. Studies and research

Following para. 199 (ID/B/20/Rev.1) insert the following additional paragraph:

199a. The study on foreign-domestic joint ventures in manufacturing, which was initiated in 1967, analyses actual cases of industrial joint ventures involving foreign and domestic enterprises, including private, public and mixed interests. It includes arrangements made concerning financing, patent rights, technical and managerial know-how. No additional consulting funds will be needed in 1968.

Group 14 Promotion of Exports of Manufactures and Semi-Manufactures

A. Field projects

2. Special industrial services

(a) Projects added or amended

Asia and Far East

Singapore - SIS 67/239: The continuation of the services of the Senior Industrial Economist, Mr. R.H. Faniel, attached to the Economic Development Board, for a period of seven months from 1 January 1968. Mr. Faniel is drafting a report to the Cabinet on various aspects of his work on economic matters related to industrialization within the competence of the Economic Development Board, in particular on the establishment of an Export Promotion Centre. The extension of his assignment would enable him to assist in the establishment of such a Centre, including preparation of the legislative framework, and to initiate a programme for training of required staff.

Experts (man/months)	-	1968	1/7
Cost	-	1968	\$15,000

Group 15 General Research Projects Established as Continuing Activities

Delete para. 216 and replace it by the following paragraph:

216. The second issue of the Industrial Development Survey for 1968 will review the main trends and developments in the developing countries in industry and related fields; the general demand and supply influences; the developments in manpower, natural resources and technology; the use and availability of finance; and other problems affecting industry growth. In addition, problems in financing of industrial projects will be reviewed.

Add final paragraph as follows:

221. Work will be undertaken during 1968 in co-operation with the Department of Economic and Social Affairs and other interested organizations in connexion with the preparation of the material for the next "Development Decade", under G.A. Resolution 2218B (XXI).

ANNEX

REVISED PUBLICATIONS PROGRAMME FOR 1968

The programme is arranged under two headings: Category A, which lists the publications carried over from the 1967 programme; and Category B, publications included in the approved 1968 programme and expected to be submitted in time for publication this year. The total value of the programme is \$191,800. This exceeds by \$11,800 the budget appropriation of \$180,000 for 1968. A request has been submitted to the Publications Board for approval of this programme with the understanding that the commitments be kept within the limits of the approved budget of \$180,000.

	<u>Language</u>
<u>Category A Carry-over from 1967 programme</u>	
(1) Development of metalworking industries (Moscow Symposium) (ID/6)	E
(2) Manual on the use of consultants (ID/3)	E F S
(3) Report of expert group on production of fertilizers from natural gas	E F S
(4) Industrial Estates and Areas in Europe and the Middle East (ID/4)	E F S
(5) Industrialization and Productivity Bulletin, No.11 (ID/SER.A/11)	F S
(6) Industrialization and Productivity Bulletin, No. 12 (ID/SER.A/12)	E F S
(7) Industrial Research and Development News, Vol.II, No.2 (ID/SER.B/4)	E*
(8) Training for Industry Series, No.1: Training of Economic Administrators (ID/SER.D/1)	E F S
(9) Training for Industry Series, No.2: Estimation of Managerial and Technical Personnel Re- quirements in Selected Industries (ID/SER.D/2)	E F S

* To be published in English with French and Spanish synopses.

Category A (continued)

Language

- | | |
|--|-------|
| (10) Industrial Planning and Programming Series,
No.2: International Comparisons of Inter-
industry Data (ID/SER.E/2) | E F S |
| (11) Industrial Planning and Programming Series,
No.3: Role of advanced skills and technolo-
gies in industrial development (ID/SER.E/3) | E F S |
| (12) Report of Expert Group on Repair and Maintenance
of Industrial Equipment (ID/1) | F S |
| (13) Technological and Economic Aspects of Establishing
Textile Industries in Developing Countries (ID/7) | E F S |
| (14) Promotion of Small-scale Industry in the Developing
Countries | E F S |

Category B Publications from 1968 programme as previously
approved by the Publications Board (excluding
items which will not be submitted in time for
submission to printer by 15 October)

- | | |
|--|---------|
| (1) Studies in fertilizer production | E F S |
| (2) Studies in Economics of Industry; No.3:
Iron and Steel | E F S R |
| (3) Industrialization and Productivity
Bulletin, No.13 (ID/SER.A/13) | E F S |
| (4) Industrial Research and Development
News, Vol.III, No.1 (ID/SER.B/5) | E F S |
| (5) Industrial Research and Development
News, Vol.III, No.2 (ID/SER.B/6) | E F S |
| (6) Industrial Planning and Programming
Series, No.4: Profiles of Manufacturing
Establishments (ID/SER.E/4) | F S |
| (7) Industrial Planning and Programming Series,
No.5: Project formulation and evaluation,
Vol.I (ID/SER.E/5) | E F S |
| (8) Industrial Planning and Programming Series,
No.6: Structure of Material Inputs in
Manufacturing Industries and Inter-industries
Relations | E F S |
| (9) Industrial Planning and Programming Series, No.7:
Profiles of manufacturing establishments in
selected countries, Vol.II | E F S |

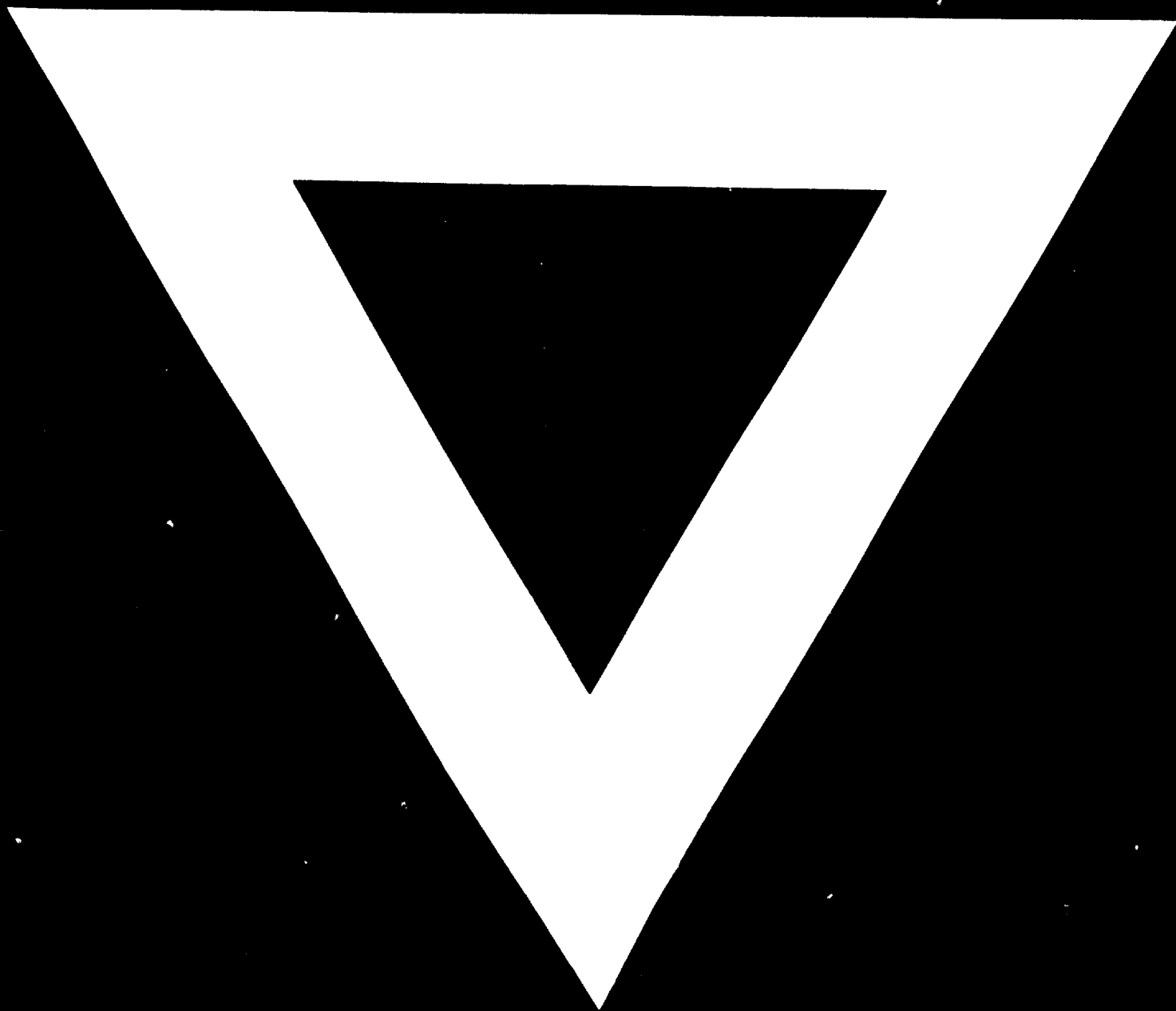
Category B (continued)

Language

- | | |
|--|-------|
| (10) Training for Industry Series, No. 3: Manual for engineers in the textile industry | E |
| (11) Interrelations between small and large industries; a study of sub-contracting | E F S |
| (12) Technical services and facilities for small-scale industries | E F S |
| (13) Small-scale industries in Latin America | E F S |

A further group of major publications is being prepared for publication, but, owing to limitation of funds, will be deferred until 1969.





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