

III. MAJOR PROGRAMME - AIR TRANSPORT**TABLE III - MAJOR PROGRAMME COST BY PROGRAMMES - AIR TRANSPORT****REGULAR BUDGET**

	1999 Estimates	2000 Estimates	2001 Estimates
(expressed in thousands of U.S. dollars)			
Major Programme III	4 618	4 740	4 811
Deduction for vacant posts	<u>(442)</u>	<u>(458)</u>	<u>(477)</u>
Total (after deduction for vacant posts)	<u>4 176</u>	<u>4 282</u>	<u>4 334</u>
3.1 Management, Co-ordination and Support	503	520	524
3.2 Economic Policy (ECP)	540	553	563
3.3 Forecasting and Economic Planning (FEP)	414	424	430
3.4 Airport and Route Facility Management (ARFM)	400	435	418
3.5 Joint Financing (JF)	-	-	-
3.6 Environmental Protection (ENV)	248	228	235
3.7 Statistics and Economic Analysis (SEA)	1 127	1 164	1 170
3.8 Facilitation (FAL)	289	294	309
3.9 Aviation Security (AVSEC)	<u>655</u>	<u>664</u>	<u>685</u>
Total (after deduction for vacant posts)	<u>4 176</u>	<u>4 282</u>	<u>4 334</u>

EXTRABUDGETARY RESOURCES

3.5 Joint Financing (JF)	355	362	368
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INTRODUCTION

1. The air transport activities of the Organization stem from Article 44 of the *Convention on International Civil Aviation*, which establishes the aims and objectives of the Organization; Articles 54 and 55 of the *Convention*, which define the mandatory and permissive functions of the Council; Article 15 which defines policy on airport and air navigation charges; Articles 22 through 24 which provide authority for work on the facilitation of international air transport; Articles 37, 38 and 90 which provide the basis for the development and notification of standards and procedures in the fields of facilitation and aviation security; Article 67 regarding the filing of statistical and other reports; and Articles 68 through 76 (Chapter XV) regarding the provision and financing of air navigation facilities and services.

2. The Air Transport Bureau, under the direction of the Air Transport, Unlawful Interference and Joint Support Committees, is responsible for:

- a) provision of expert assistance required by the Assembly, Council, Air Transport Committee (ATC), Committee on Unlawful Interference (UIC), Committee on Joint Support of Air Navigation Services (JSC) and the specialized conference, divisional, panel and working group meetings that may be convened in the air transport field;
- b) provision of economic advice to other bodies and Bureaux of the Organization, particularly the Committee on Aviation Environmental Protection (CAEP), the Technical Co-operation Bureau (TCB) and the Air Navigation Bureau (ANB);
- c) preparation of studies and development of recommendations for policy guidance in the fields concerned;
- d) preparation of procedural documentation concerning amendments to Annexes 9 – Facilitation and 17 – Security to the *Convention* and the compilation of lists of differences to these Annexes which are notified by Contracting States;
- e) preparation and revision of manuals on airport economics, air navigation services economics, airport and air navigation facility tariffs, economic regulation of international air transport, air traffic forecasting, facilitation, and the ICAO statistical programme, and a manual and several Standardized Training Packages (STPs) on aviation security;
- f) promotion of the implementation of ICAO Annexes, policy and guidance material developed under the air transport programme through missions, informal regional meetings and training courses;
- g) administration of the Joint Financing Agreements with Denmark and Iceland for the provision of certain North Atlantic air navigation services, and of the Arrangement on the Joint Financing of the North Atlantic Height Monitoring System;
- h) preparation of statistical digests, other statistical publications, and forecasts;
- i) preparation of Chapter I of the *Annual Report of the Council* and the annual *World of Civil Aviation* circular, which provide world-wide surveys of international civil aviation developments;

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- j) co-ordination between the ICAO air transport programmes and the work of the African Civil Aviation Commission (AFCAC, for which the Air Transport Bureau provides support services), the European Civil Aviation Conference (ECAC) and the Latin American Civil Aviation Commission (LACAC); and
- k) liaison on air transport programmes with the United Nations and other international organizations (notably with regard to environmental protection, trade in services and facilitation matters) and support for international co-operative projects.

3. Within this framework, the Air Transport major programme for the 1999-2001 triennium reflects a significant repositioning, consistent with the Strategic Action Plan, in response to increasing globalization and transnationalization of markets, the emergence of regional and sub-regional trading and regulatory blocs, liberalization of economic regulation, recognition of and response to environmental concerns, the commercialization of government service providers and application of "user pay" and "polluter pay" principles.

4. In general terms, there is much greater demand for and continued or greater emphasis on:

- a) economic and organizational aspects of safety initiatives (safety oversight, safety shortcomings, including application of Chapter XV of the *Convention*);
- b) action to improve the general level of security and facilitation standards and to ensure that any problems arising are dealt with properly and efficiently;
- c) economic support of air navigation systems planning and implementation (primarily through provision of relevant statistics, forecasts and planning guidance);
- d) economic assessment of technical requirements and options for aircraft, airport and air navigation facility certification or operation (primarily through cost-benefit or cost-effectiveness analysis, notably as regards transition to the communications, navigation and surveillance/air traffic management (CNS/ATM) systems);
- e) economic and organizational evaluation and advice on the provision of airport and air navigation services (in particular to ensure that Article 15 of the *Convention* is fully respected and equitable cost-recovery applied);
- f) support for the implementation of policy guidance on change and adjustment in economic regulation;
- g) economic assessment of technical proposals for environmental protection (primarily through the development of databases, analysis of stringency measures and cost-benefit of mitigation options); and
- h) evaluations of the economic impact on States of civil aviation investments and operations.

5. In order to accommodate this increased demand and change in emphasis against the realities of reduced human resources, a number of highly desirable tasks performed in previous triennia have been eliminated or cut back in favour of expanded or, in some cases, new tasks which are essential elements of the Strategic Action Plan.

6. As in the past, just prior to the 1999-2001 triennium the Air Transport Bureau will prepare a document on Implementation of the Organization's Work Programme in the Air Transport Field for the triennium, defining objectives, resources, and targets at the programme element level, and at each Session of the Council will report to the relevant governing body on the progress made. Related existing internal accountability procedures will also be maintained or strengthened. The capability to carry out the proposed work programme also assumes, and is very much dependent upon, continued increases in productivity achievable through automation, particularly in the statistics field.

7. Given the fast-changing world air transport context, it is inevitable during each triennium that there will be a need to take on urgent new tasks. In view of increasing resource constraints, no capacity has been included for the 1999-2001 triennium in the programmes below for such tasks; they will be accommodated as they arise through adjustments to the planned work programmes or priorities in the air transport field.

8. Most of the programmes defined below are the responsibility of the Sections of the same name in the Air Transport Bureau. However, there is considerable interplay and flexibility and the resources for part of a programme which is the responsibility of one Section are frequently provided by another Section (for example, *The World of Civil Aviation* publication listed under sub-programme 3.7.6 involves several Sections with appropriate co-ordination and the Statistics and Economic Analysis Section in particular makes a substantive contribution to many tasks under other programme headings). In addition, resources for work on environmental protection, defined in programme 3.6 below, are contributed by certain Sections of the Air Transport Bureau, namely the Forecasting and Economic Planning Section, the Airport and Route Facility Management Section and the Statistics and Economic Analysis Section. Thus, depending on the net transfers, the resource requirements for a programme will frequently not match those for a Section.

SUMMARY FOR MAJOR PROGRAMME III¹

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS				TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)					
	Establishment		Strength			MEETINGS	STAFF		GEN. OP. EXPENSES	EQUIPMENT	OTHER
	P	GS	P	GS			Strength	Vacant posts			
1999	384	348	336	321	4 618	148	3 857	442	139	32	
2000	384	348	336	321	4 740	145	3 952	458	152	33	
2001	384	348	336	321	4 811	136	4 023	477	141	34	

¹This summary excludes programme 3.5, Joint financing, which is financed from extra-budgetary resources

3.1 PROGRAMME: MANAGEMENT, CO-ORDINATION AND SUPPORT

- a) **Objectives:** Plan, develop, supervise and co-ordinate the implementation of the air transport programme, co-ordinate these activities with those of other major programmes.

SUMMARY FOR PROGRAMME 3.1: MANAGEMENT, CO-ORDINATION AND SUPPORT

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT ³	OTHER
1999	40	29	503	6	479	13	5	
2000	40	29	520	6	494	15	5	
2001	40	29	524	6	499	14	5	

¹ Amounts relate to 2 unspecified air transport panel meetings in each year

² Amounts relate primarily to travel on official business, software acquisition and database information on operating timetables of airlines

³ Amounts relate to acquisition of office automation equipment

3.1.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the major programme; provide technical and administrative support to the deliberations of the Assembly, the Council and the Air Transport Committee and its panels, working groups and other air transport meetings; plan, convene and conduct air transport meetings and prepare supporting documentation; plan, develop and supervise the implementation of office automation in the Bureau; co-ordinate administrative aspects related to the execution of the major programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.1.2 Sub-programme: Inter-programme co-ordination

- a) **Objectives:** Co-operate with other major programmes in general terms and as designated co-ordinator of working arrangements with regional civil aviation bodies.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. General co-ordination activities	Co-ordination	—	—
2. Co-ordination of working arrangements with regional civil aviation bodies and providing support services to the African Civil Aviation Commission	Co-ordination and advice	—	RA

3.2 PROGRAMME: ECONOMIC POLICY (ECP)

- a) **Objectives:** Prepare guidance material on the economic regulation of international air transport, and specific studies of current regulatory issues. Monitor implementation of economic policy guidance and provide advice on implementation. Monitor and analyze trends and developments with regard to air transport policy and regulatory issues and disseminate guidance and information. Provide technical support within and outside ICAO on economic policy issues.

SUMMARY FOR PROGRAMME 3.2: ECP

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT ³	OTHER
1999	50	25	540	20	507	9	4	
2000	50	25	553	20	518	11	4	
2001	50	25	563	20	530	9	4	

¹ Amounts relate to 2 workshops in each year

² Amounts relate to travel on official business and software acquisition

³ Amounts relate to acquisition of office automation equipment

3.2.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.2.2 Sub-programme: Policy analysis and development of guidance

(Strategic Action Plan: *F.1 Regulation of international air transport services, F.4 Trade in services, G.4 Evaluation of economic impact of civil aviation on States*)

- a) **Objectives:** Study and develop recommendations on major regulatory and economic policy issues, including the application to international air transport of rules and principles of the General Agreement on Trade in Services (GATS), for the guidance of States.

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b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. General Agreement on Trade in Services (GATS)	State letters, guidance material (<i>Target date:</i> 3Q 01)	F.4	A
2. Regulatory implications of slot allocation	Study, guidance material (<i>Target date:</i> 4Q 99)	F.1	A
3. Regulatory aspects of aviation economic impact study	Study (circular) (<i>Target date:</i> 4Q 00)	F.1, G.4	A
4. Other economic regulatory and policy studies and guidance	Reports (<i>Target date:</i> 4Q 99), recommendations (<i>Target date:</i> 4Q 00), guidance material (Doc 9587) (<i>Target date:</i> 4Q 01)	F.1	B

3.2.3 Sub-programme: Policy implementation and monitoring

(Strategic Action Plan: *F.1 Regulation of international air transport services, F.3 Air transport product distribution, F.4 Trade in services*)

- a) **Objectives:** Monitor and provide support for the implementation of economic policy guidance; monitor, review, analyze, document and report to States on international air transport regulatory developments in the industry and in other international organizations.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Implementation of World-wide Air Transport Conference results	Advice and assistance to States	F.1	RA
2. Product distribution, including CRS, and automation policy issues	Working papers, circular material	F.3	RA
3. Trade in services (GATS)	Circular material (<i>Target date:</i> 1Q - 99, 00, 01)	F.4	A
4. Industry ownership and privatization, alliances including codesharing, and co-operation	Data bases, circular material (<i>Target date:</i> 1Q - 99, 00, 01)	F.1	RA
5. New regulatory developments and significant trends	Reports to States	F.1	RA

3.2.4 Sub-programme: **Dissemination of policy guidance**
(Strategic Action Plan: *F.1 Regulation of international air transport services*)

- a) **Objectives:** Compile and disseminate policy guidance and information on economic policy and regulatory issues.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Regional workshops/seminars	Workshop papers, guidance material	F.1	RA
2. Database and Digest of Bilateral Air Transport Agreements	Maintenance of database, Revised Digest (Doc 9511), response to inquiries	F.1	RB
3. Manual on the Regulation of International Air Transport	Revisions (loose leaf, Doc 9626)	F.1	RB

3.2.5 Sub-programme: **ICAO policies on taxation of international air transport**
(Strategic Action Plan: *F.6 Taxation*)

- a) **Objectives:** Foster the development and expansion of international travel and trade by eliminating double and multiple taxation on international air transport through the policies outlined in Doc 8632.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Monitoring ICAO's policy on taxation and developments in taxation	Working papers, reports (Doc 8632)	F.6	RB
2. Implementation of ICAO's policy on taxation	Supplements to Doc 8632, Recommendations to States	F.6	RB

3.2.6 Sub-programme: **Technical support**
(Strategic Action Plan: *F.1 Regulation of international air transport services*)

- a) **Objectives:** Provide guidance and support on economic policy and regulatory issues, within and outside ICAO.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	F.1	RB
2. Work for EPO, RAO, etc.	Advice and assistance, news releases	—	RB
3. Contributions to Annual Report of Council and World of Civil Aviation	Report (<i>Target date:</i> 1, 4Q - 99, 00, 01) and annual circular (<i>Target date:</i> 2Q - 99, 00, 01)	—	RA

3.3 PROGRAMME: FORECASTING AND ECONOMIC PLANNING (FEP)

- a) **Objectives:** Prepare medium and long-term forecasts of air transport developments, passenger/freight traffic flows and aircraft movements on a world-wide, regional and route area basis, including analysis of the economic and other factors underlying these trends. Produce and update cost/benefit and other economic studies concerning airport planning, air navigation systems planning, related aeronautical facilities and services including CNS/ATM as well as the economic impact of civil aviation on States. Provide technical support within and outside ICAO on forecasting and economic planning issues, notably in connection with reducing airport and airspace congestion. **Note.-** Forecasting and economic planning also forms a substantial part of the environmental protection programme, for which the resources are included under programme 3.6.

SUMMARY FOR PROGRAMME 3.3: FEP

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT ³	OTHER
1999	32	31	414	38	355	18	3	
2000	32	31	424	38	363	20	3	
2001	32	31	430	38	370	19	3	

¹ Amounts relate to 2 workshops and 2 regional traffic forecasting groups in each year

² Amounts relate to travel on official business, software acquisition and database information on economic and demographical indicators, traffic data, fleet composition, operational costing related to system specifications for FANS/II avionics and ground-based equipment for CNS/ATM systems, etc.

³ Amounts relate to acquisition of office automation equipment

3.3.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative issues related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.3.2 Sub-programme: **Forecasting**

(Strategic Action Plan: *D.1 Improvement of overall efficiency of regional air navigation planning mechanism, E.7 Airport and airspace congestion*)

- a) **Objectives:** Develop long-term global, regional and route area traffic forecasts for air navigation systems and airport infrastructure planning as well as other aviation related planning purposes; monitor and review regional as well as world-wide air transport developments and analyze the interdependence between aggregate economic activities, air carrier yields and traffic demand; develop medium-term traffic and financial forecasts; develop forecasts of aircraft movements and other planning parameters; maintain inventory of forecasts by all major aviation forecasting and economic planning institutions.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Long-term traffic forecasts	Outlook for Air Transport biennial circular (<i>Target date: 4Q 00</i>)	—	RA
2. Medium-term traffic and financial forecasts	The World of Civil Aviation annual circular (<i>Target date: 2Q - 99, 00, 01</i>)	—	RA
3. Aircraft movement forecasts for route groups and airports	Guidance material (Doc 8991)	D.1, E.7	A
4. Forecasts of peak-period traffic flow patterns	Guidance material, manual (Doc 8991)	D.1, E.7	A

3.3.3 Sub-programme: **Research and guidance**

(Strategic Action Plan: *D.8 Creation of data bases and dissemination of information on CNS/ATM, E.7 Airport and airspace congestion, G.3 Seminars, workshops and symposia, G.4 Evaluation of economic impact of civil aviation on States, G.5 Practical application of cost/benefit analysis*)

- a) **Objectives:** Conduct research and prepare specific studies as required on cost/benefit and economic planning issues such as the economic impact of civil aviation on States and interdependence between socio-economic factors and air transport development; develop methodologies for forecasting and planning and provide an up-to-date forecasting information service; provide guidance to States on forecasting and economic planning issues including cost/benefit and business cases for air navigation facilities/services in general and CNS/ATM in particular; hold regional workshops and seminars.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Development of economic database	Database	—	B
2. Evaluation of economic impact of civil aviation on States	Guidance material, recommendations, circular (<i>Target date:</i> 4Q 99)	G.4	A
3. Economic planning studies	Memoranda, working papers, recommendations	—	B
4. Cost/benefit of CNS/ATM	Update manual (Circular 257) and spreadsheet software	D.2, D.8, G.5	A
5. Regional workshops/seminars	Working papers, guidance material, reports	E.7, G.3	RA
6. Manual on Air Traffic Forecasting	Revised edition of Doc 8991	—	B
7. Airport Planning Manual	Revised edition of Doc 9184, Part I, Chapter 3	—	B

3.3.4 Sub-programme: **Technical support**

(Strategic Action Plan: *D.1 Improvement of overall efficiency of regional air navigation planning mechanism, D.8 Creation of data bases and dissemination of information on CNS/ATM, E.7 Airport and airspace congestion, E.9 Technical co-operation programme, G.1 Technical co-operation programme, G.5 Practical application of cost/benefit analysis*)

- a) *Objectives:* Provide advice, information and presentational material on forecasting and economic planning matters to or for other programmes of the Organization, including the Air Navigation and Regional Programmes — notably as regards CNS/ATM, regional traffic forecasting and support for planning and implementation groups (PIRGs).

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	E.9, G.1	RB
2. Servicing of regional traffic forecasting groups	Working papers, reports	D.1, E.7	RA
3. Work for ANB, ANC, PIRGs, RAO, regional offices	Advice and assistance	D.1, D.8, E.7, G.5	RB
4. Work for EPO	Advice and assistance, news releases	—	RB
5. Contributions to Annual Report of Council	Report (<i>Target date:</i> 1, 4Q - 99, 00, 01)	—	RA

3.4 PROGRAMME: AIRPORT AND ROUTE FACILITY MANAGEMENT (ARFM)

- a) **Objectives:** Monitor compliance with Article 15 of the Chicago Convention and application of ICAO recommended policies and practices in the area of cost recovery for airports and air navigation services. Monitor and report on the economic situation of airports and route facilities and the impact of associated charges on users. Develop and update the Council Statements on Charges in Doc 9082 and prepare related manuals and other guidance material on airport and route facility economics and management, including organizational aspects and implementation of CNS/ATM. Provide advice and develop guidance on cost recovery, financing and organizational arrangements for multinational air navigation facilities/services including CNS/ATM and on means of addressing safety oversight and reducing shortcomings in the air navigation field. Provide technical support within and outside ICAO on issues related to airport and route facility management, cost-effectiveness and other economic and financial aspects of regional air navigation plans. **Note.-** Airport and route facility management also forms a part of the environmental protection programme under programme 3.6.

SUMMARY FOR PROGRAMME 3.4: ARFM

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT ³	OTHER
1999	37	14	400	20	370	8	2	
2000	37	14	435	46	379	8	2	
2001	37	14	418	20	387	9	2	

¹ Includes \$ 26 000 for Conference on Airport and Air Navigation Services in 2000 and \$ 20 000 for 2 workshops in each year

² Amounts relate to travel on official business and software acquisition

³ Amounts relate to acquisition of office automation equipment

3.4.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.4.2 Sub-programme: **Review and policy development**

(Strategic Action Plan: *D.2 Further development of sub-regional approach and integration of planning and implementation process for CNS/ATM into regional air navigation planning mechanism, D.5 Development and follow-up of the Global Plan, regional and national plans for CNS/ATM, D.6 Assistance to States in development of capacity of their air navigation system, and in cost-recovery and organizational arrangements for the provision of air navigation services, D.8 Creation of data bases and dissemination of information on CNS/ATM, E.2 Safety oversight programme, E.5 Responding to identified safety shortcomings in the air navigation field, F.2 Airport and air navigation services (including charges and cost recovery, F.5 Environmental protection (economic aspects), G.4 Evaluation of economic impact of civil aviation on States)*)

- a) **Objectives:** Monitor and prepare studies on the economic situation of airports and route facilities and the impact of associated charges on users; monitor States' charging practices and application of ICAO recommended policies and practices; prepare advice on charges and cost recovery policy development; prepare for and serve a Conference on Airport and Air Navigation Services, and initiate action on recommendations of that conference; provide advice and develop guidance on organizational, cost recovery and financing arrangements for multinational air navigation facilities/services including CNS/ATM.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Monitor and prepare studies on the economic situation of airports and route facilities and impact of charges on users	Reports, studies, working papers (Doc 9082)	F.2, G.4	RA
2. Monitor States' charging practices	Letters to States and other action to ensure conformity (Doc 7300, Article 15, Doc 9082)	F.2	RA
3. Charges and cost recovery policy development	Studies, working papers, recommendations (Doc 9082)	F.2	RA
4. Conference on Airport and Air Navigation Services	Working papers, reports recommendations (Article 15, Doc 9082) (<i>Target date:</i> 2, 3, 4Q 99)	F.2, F.5	A
5. Action on recommendations of Conference	Working papers, recommendations (<i>Target date:</i> 1, 2Q 00), revisions to Doc 9082 (<i>Target date:</i> 1Q 00)	F.2, F.5	A
6. Organizational arrangements for multinational facilities/ services	Advice, assistance and guidance material	D.2, F.2, D.6, E.2, E.5	RA
7. Implementation of CNS/ATM and other technological developments	Advice, assistance and guidance material	D.2, D.5, D.8	RA

3.4.3 Sub-programme: **Guidance on airport and route facility management**
(Strategic Action Plan: *F.2 Airport and air navigation services (including charges and cost recovery), G.3 Seminars, workshops and symposia*)

- a) **Objectives:** Prepare new and update existing manuals and other documents containing guidance material for States on various aspects of airport and route facility economics and management; provide assistance to States through regional workshops and seminars on airport and route facility management.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Regional workshops/seminars	Working papers, guidance material, reports	F.2, G.3	RA
2. Airport Economics Manual	Revised edition (Doc 9562) (Target date: 4Q 01)	F.2	A
3. Manual on Air Navigation Services Economics	Revised edition (Doc 9161)	F.2	B
4. Manual of Airport and Air Navigation Facility Tariffs ²	Annual editions (Doc 7100) (Target date: 3Q - 99, 00, 01)	F.2	RA
5. Specific studies and guidance on various aspects of airport and route facility economics	Studies, recommendations	—	B

3.4.4 Sub-programme: **Technical support**
(Strategic Action Plan: *D.2 Further development of sub-regional approach and integration of planning and implementation process for CNS/ATM into regional air navigation planning mechanism, D.5 Development and follow-up of the Global Plan, regional and national plans for CNS/ATM, D.6 Assistance to States in development of capacity of their air navigation system, and in cost-recovery and organizational arrangements for the provision of air navigation services, E.2 Safety oversight programme, E.5 Responding to identified safety shortcomings in the air navigation field, F.2 Airport and air navigation services (including charges and cost recovery), G.1 Technical co-operation programme*)

- a) **Objectives:** Provide for other programmes of the Organization, including the Air Navigation and Regional Programmes and in particular planning groups, advice, information and documentation, on organizational and economic aspects of airports and air navigation services, including means of addressing safety oversight and reducing shortcomings in the air navigation field. Provide support in the establishment and administration of co-operative projects.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	F.2, G.1	RB
2. Work for EPO	Advice and assistance	—	RB
3. Assistance to ANC, ANB, RAO, regional offices, PIRGs	Advice, assistance and guidance material	D.2, D.5, E.2, E.5, F.2	RA

²Generates substantial income from external sources

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4. Establishment and administration of co-operative projects ³	Advice, assistance, guidance material, reports (Chapter XV)	D.6, F.2	RA
5. Contributions to Annual Report of Council	Report (<i>Target date:</i> 1, 4Q - 99, 00, 01)	—	RA

³The cost of provision of services for the SADIS (Satellite distribution system for world area forecast system products) Cost Recovery Administrative Group is reimbursed to ICAO.

3.5 PROGRAMME: JOINT FINANCING (JF)

- a) **Objectives:** Administer, and develop new procedures for, the Joint Financing Agreements with Denmark and Iceland for the provision of certain North Atlantic Air Navigation Services. Administer the Arrangement on the Joint Financing of the North Atlantic Height Monitoring System. Provide technical support within and outside ICAO on issues related to the Joint Financing of air navigation facilities.

SUMMARY FOR PROGRAMME 3.5: JF

EXTRABUDGETARY - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS	STAFF Strength	GEN. OP. EXPENSES ¹	EQUIPMENT	OTHER
1999	24	24	355		268	87		
2000	24	24	362		274	88		
2001	24	24	368		278	90		

¹ Amounts relate to estimated expenses for the External Auditor and travel on official business

3.5.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation and administration of the programme; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.5.2 Sub-programme: Administration of the Danish and Icelandic (DEN/ICE) Joint Financing Agreements

(Strategic Action Plan: *D.6 Assistance to States in development of capacity of their air navigation system, and in cost-recovery and organizational arrangements for the provision of air navigation services*)

- a) **Objectives:** Prepare summary analysis of costs; analyze cost estimates and additional capital expenditures; co-ordinate audit of actual costs; brief auditors on any specific problems; evaluate financial and technical aspects of proposals; establish assessments on States and charges on users; arrange for payments to/from States; invest funds; arrange and carry out missions and on-site inspections; update the Annexes to the Agreements; service Joint Support Committee (JSC) and Council meetings.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority ¹
1. Analysis, audit and approval of actual costs	Working papers for JSC, reports to Council	D.6	RA
2. Analysis and approval of annual estimates and proposals for additional capital and other expenditures	Working papers for JSC, reports to Council	D.6	RA
3. Financial and technical evaluations	Working papers for JSC, reports to Council	D.6	RA
4. Annual assessments and user charges	Working papers for JSC, reports to Council and statements of accounts	D.6	RA
5. Payments to and from provider States and Contracting Governments	Letters to States, statements of accounts	D.6	RA
6. Missions and on-site inspections	Working papers for JSC, reports to Council	D.6	RA
7. Amendments to Annexes to JF Agreements	Reports to Council, updated Annexes to Agreements	D.6	RA
8. Service Joint Support Committee/Council	Documentation, letters to States on decisions of Council	D.6	RA

3.5.3 Sub-programme: Development and special tasks

(Strategic Action Plan: *D.6 Assistance to States in development of capacity of their air navigation system, and in cost-recovery and organizational arrangements for the provision of air navigation services, F.2 Airport and air navigation services (including charges and cost recovery)*)

- a) *Objectives:* Develop new procedures as well as methods for allocation of costs of the facilities and services provided by Denmark and Iceland; analyze problems relating to economic, technical and administrative aspects; prepare documentation and provide assistance to study groups and conferences.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority ¹
1. Development of new procedures and methods of cost allocation	Working papers for JSC, reports to Council	D.6, F.2	RA
2. Preparatory work and assistance for conferences and study groups	Working papers, reports	D.6, F.2	RA
3. DEN/ICE and Diplomatic Conferences	Working papers, reports	D.6	RA

¹Treaty obligation (Danish and Icelandic Joint Financing Agreements, Docs 9585 and 9586, and Arrangement on the Joint Financing of North Atlantic Height Monitoring System).

3.5.4 Sub-programme: Administration of the Arrangement on the Joint Financing of North Atlantic Height Monitoring System

- a) **Objectives:** Compile data for preparation of statements of cost estimates and actual costs; establish charge on users; administer the contract with an Operating Agency for the Global Positioning System Monitoring Units (GMU); arrange for payments to/from States and GMU Operating Agency.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority ¹
1. Compilation of data for preparation of statements of cost estimates and actual costs, user charge, payments, administration of contract with GMU Operating Agency, meetings	Working papers, reports	—	RA

3.5.5 Sub-programme: Technical support

(Strategic Action Plan: *D.6 Assistance to States in development of capacity of their air navigation system, and in cost-recovery and organizational arrangements for the provision of air navigation services, F.2 Airport and air navigation services (including charges and cost recovery)*)

- a) **Objectives:** Provide advice, information and material for presentations on joint financing matters to or for other programmes of the Organization (including the Air Navigation and Regional Programmes and in particular planning groups), States and other international organizations.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Assistance to planning groups (notably NAT SPG and Informal NAT AFTN/AFS Group)	Guidance, working papers	D.6, F.2	RB
2. Work for ANB, LEB, EPO, RAO, etc.	Guidance, assistance	—	RB
3. Contributions to Annual Report of Council	Report (<i>Target date:</i> 4Q - 99, 00, 01)	—	RA
4. Assistance to States and other international organizations	Guidance, assistance	D.6, F.2	RB

¹Treaty obligation (Danish and Icelandic Joint Financing Agreements, Docs 9585 and 9586, and Arrangement on the Joint Financing of North Atlantic Height Monitoring System).

3.6 PROGRAMME: ENVIRONMENTAL PROTECTION (ENV)

- a) **Objectives:** Provide economic, statistical and other inputs to the Committee on Aviation Environmental Protection (CAEP). Pursue ICAO's responsibilities under the Kyoto Protocol adopted in December 1997 which calls on Parties to pursue limitation or reduction of emissions of greenhouse gases from aviation fuels internationally, *working through ICAO*. Liaise with other international organizations involved in the definition of environmental problems associated with aircraft engine emissions and in related policy-making. Provide technical support within and outside ICAO on environmental protection issues. Co-ordinate the Secretariat's work on environmental protection.

SUMMARY FOR PROGRAMME 3.6: ENV

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT	OTHER
1999	18	16	248	23	203	22		
2000	18	16	228		206	22		
2001	18	16	235		211	24		

¹ Amount relates to Colloquium after publication of Intergovernmental Panel on Climate Change (IPCC) Special Report

² Amounts relate to travel on official business and database information on economic and demographical indicators, traffic data, fleet composition, engine configuration and emissions, fuel consumption and oil prices

3.6.1 Sub-programme: Programme management and inter-bureau co-ordination

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate multidisciplinary aspects with other Bureaux; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.6.2 Sub-programme: Economic, statistical and other inputs to the Committee on Aviation Environmental Protection (CAEP)

(Strategic Action Plan: *E.6 Environmental protection programme, F.5 Environmental protection (economic aspects)*)

- a) **Objectives:** Provide support to CAEP in developing policy options regarding aircraft noise and aircraft engine emissions; provide statistical databases and forecasts; analyze economic implications of policy options; explore the use of economic instruments in an environmental context.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Database development and forecasting	Improved database, reports to CAEP/5 (<i>Target date:</i> CAEP/5)	E.6	A
2. Economic implications of policy options	Reports to CAEP/5 (<i>Target date:</i> CAEP/5)	E.6	A
3. Economic instruments	Reports to CAEP/5 (<i>Target date:</i> CAEP/5)	F.5	A

3.6.3 Sub-programme: Technical support

(Strategic Action Plan: *E.6 Environmental protection programme, E.9 Technical co-operation programme, F.5 Environmental protection (economic aspects)*)

- a) *Objectives:* Provide advice, information and material for presentations on environmental protection to or for other programmes of the Organization, States and other international organizations; liaise with bodies responsible for the major scientific assessments on climate change and stratospheric ozone regarding the impact of aircraft engine emissions and for related policy-making; promote awareness of ICAO's involvement in environmental protection.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	E.6, E.9	RB
2. Liaison with scientific assessment processes	IPCC Special Report (<i>Target date:</i> 2Q 99)	E.6	RA
3. Liaison with UN policy-making bodies	Reports to UN bodies as requested	E.6, F.5	RA
4. Liaison with industry bodies	Advice and assistance	E.6, F.5	RB
5. Promoting awareness	Presentations, articles	E.6, F.5	RB

3.7 PROGRAMME: STATISTICS AND ECONOMIC ANALYSIS (SEA)

- a) **Objectives:** Collect, analyze, process and publish (within a maximum of one year of the reporting period) world-wide statistics on commercial air carriers, international airports, route facilities, aircraft, general aviation and civilian pilot licences. Estimate data for non-reporting entities. Prepare global and regional economic studies on the development of air transport, and specific analyses of current economic issues. Produce analytical studies of airline tariffs and revenues and their relationship to such factors as distance and costs. Develop cost allocation database and procedures for airline revenue proration. Disseminate civil aviation statistics in electronic form such as through the Internet and on CD-Rom. Provide *ad hoc* reports on civil aviation statistics in response to enquiries. Assist the Universal Postal Union (UPU) in monitoring airline costs. Provide technical support within and outside ICAO on statistics and economic analysis issues.

SUMMARY FOR PROGRAMME 3.7: SEA

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P ¹	GS		MEETINGS ²	STAFF Strength ³	GEN. OP. EXPENSES ⁴	EQUIPMENT ⁵	OTHER
1999	87	134	1 127	20	1 087	11	9	
2000	87	134	1 164	20	1 116	18	10	
2001	87	134	1 170	20	1 135	5	10	

¹ Excludes 1 Professional staff (12 work months per annum) to be financed by increased revenues from services provided to third parties by the SEA programme and from sales of publications and other products produced by ATB

² Amounts relate to 2 workshops in each year

³ Includes \$ 90 000 for the triennium for outsourcing some of the data entry activity associated with the programme

⁴ Amounts relate to travel on official business, software acquisition and database information on air tariffs

⁵ Amounts relate to acquisition of office automation equipment

3.7.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.7.2 Sub-programme: Air carrier statistics

(Strategic Action Plan: *F.1 Regulation of international air transport services, F.7 Statistics*)

- a) **Objectives:** Process, analyze, compile and publish world-wide statistics relating to commercial air carrier activities.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Traffic	Digest of Statistics (Series T) <i>(Target date: 3Q - 99, 00, 01)</i> Statistical Yearbook (Doc 9180) <i>(Target date: 3Q - 99, 00, 01)</i> Annual Report of Council <i>(Target date: 1, 4Q - 99, 00, 01)</i>	F.1, F.7	RA
2. Finances	The World of Civil Aviation annual circular <i>(Target date: 2Q - 99, 00, 01)</i> Digest of Statistics (Series F) <i>(Target date: 4Q - 99, 00, 01)</i> Statistical Yearbook (Doc 9180) <i>(Target date: 3Q - 99, 00, 01)</i> Annual Report of Council <i>(Target date: 1, 4Q - 99, 00, 01)</i>	F.1, F.7	RA
3. Fleet and personnel	The World of Civil Aviation annual circular <i>(Target date: 2Q - 99, 00, 01)</i> Digest of Statistics (Series FP) <i>(Target date: 4Q - 99, 00, 01)</i> Statistical Yearbook (Doc 9180) <i>(Target date: 3Q - 99, 00, 01)</i> Annual Report of Council <i>(Target date: 1, 4Q - 99, 00, 01)</i>	F.1, F.7	RA
4. Traffic by flight stage	The World of Civil Aviation annual circular <i>(Target date: 2Q - 99, 00, 01)</i> Digest of Statistics (Series TF) <i>(Target date: 2Q - 99, 00, 01)</i> Statistical Yearbook (Doc 9180) <i>(Target date: 3Q - 99, 00, 01)</i> The World of Civil Aviation annual circular <i>(Target date: 2Q - 99, 00, 01)</i>	F.1, F.7	RA
5. On-flight origin and destination	Digest of Statistics (Series OFOD) <i>(Target date: quarterly)</i> Statistical Yearbook (Doc 9180) <i>(Target date: 3Q - 99, 00, 01)</i> The World of Civil Aviation annual circular <i>(Target date: 2Q - 99, 00, 01)</i>	F.1, F.7	RA

3.7.3 Sub-programme: **Airport and route facility statistics**

(Strategic Action Plan: D.1 Improvement of overall efficiency of regional air navigation planning mechanism, F.1 Regulation of international air transport services, F.2 Airport and air navigation services (including charges and cost recovery), F.7 Statistics)

- a) **Objectives:** Process, analyze, compile and publish world-wide statistics relating to airport and route facilities.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Airport traffic	Digest of Statistics (Series AT) (Target date: 3Q - 99, 00, 01) Statistical Yearbook (Doc 9180) (Target date: 3Q - 99, 00, 01) (The World of Civil Aviation annual circular (Target date: 2Q - 99, 00, 01)	F.1, F.7	RA
2. Airport finances	Digest of Statistics (Series AF) (Target date: 2Q - 99, 00, 01)	F.1, F.2, F.7	RB
3. Route facility traffic	Digest of Statistics (Series AF) (Target date: 2Q - 99, 00, 01)	D.1, F.1, F.7	RB
4. Route facility finances	Digest of Statistics (Series AF) (Target date: 2Q - 99, 00, 01)	F.1, F.2, F.7	RB

3.7.4 Sub-programme: **National aviation activities**

(Strategic Action Plan: A.1 Safety oversight programme, A.2 Responding to identified safety shortcomings in the air navigation field, F.1 Regulation of international air transport services, F.7 Statistics)

- a) **Objectives:** Process, analyze, compile and publish world-wide statistics relating to national aviation activities.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Safety	Statistical Yearbook (Doc 9180) (Target date: 3Q - 99, 00, 01) Annual Report of Council (Target date: 1Q - 99, 00, 01) The World of Civil Aviation annual circular (Target date: 2Q - 99, 00, 01)	A.1, A.2	RA
2. General aviation	Statistical Yearbook (Doc 9180) (Target date: 3Q - 99, 00, 01) The World of Civil Aviation annual circular (Target date: 2Q - 99, 00, 01)	—	RB

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3. Civilian pilot licences	Statistical Yearbook (Doc 9180) (<i>Target date</i> : 3Q - 99, 00, 01) The World of Civil Aviation annual circular (<i>Target date</i> : 2Q - 99, 00, 01)	—	RB
4. Civil aircraft on register	Digest of Statistics (Series R) (<i>Target date</i> : 4Q - 99, 00, 01) Statistical Yearbook (Doc 9180) (<i>Target date</i> : 3Q - 99, 00, 01) The World of Civil Aviation annual circular (<i>Target date</i> : 2Q - 99, 00, 01)	F.1, F.7	RB

3.7.5 Sub-programme: **Statistical yearbook** (Strategic Action Plan: *F.7 Statistics*)

- a) **Objectives:** Compile material from different areas of the statistics programme and prepare summaries, estimates and analyses for publication in the ICAO Statistical Yearbook.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Preparation of global edition	Statistical Yearbook (Doc 9180) (<i>Target date</i> : 3Q - 99, 00, 01)	F.7	RA
2. Development of regional editions	Regional compendia	F.7	B

3.7.6 Sub-programme: **Research and studies**

- a) **Objectives:** Monitor, review, analyze and document on an ongoing basis world-wide and regional air transport developments; prepare specific studies on economic issues such as the availability, consumption and price of aircraft fuel, risk assessment and economic aspects of safety, and the limits of liability for air carriers.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. The World of Civil Aviation	Annual circular (<i>Target date</i> : 2Q - 99, 00, 01)	—	RA
2. Specific economic analysis studies	Memoranda, working papers, recommendations	—	B

3.7.7 Sub-programme: **Analysis of airline tariffs and operating economics**
(*F.1 Regulation of international air transport services, F.7 Statistics*)

- a) **Objectives:** Produce surveys of the availability and levels of airline fares/rates and studies of airline revenues/costs, according to distance, for different regions of the world, and from year to year; use the analyses concerned to provide a database for airline revenue proration and for application to identified problem areas with a view to providing a basis for economic policy development.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Surveys of levels of fares and rates	Triennial circular (<i>Target date: 3Q - 01</i>)	F.7	RB
2. Studies of regional differences in fares, rates and costs ¹	Annual circular (<i>Target date: 3Q - 99, 00, 01</i>)	F.1, F.7	RA
3. Development of cost allocation procedures for revenue proration ²	Annual prorate factors (<i>Target date: 1Q - 99, 00, 01</i>)	—	RA

3.7.8 Sub-programme: **Statistical information services**
(Strategic Action Plan: *F.7 Statistics*)

- a) **Objectives:** Maintain a library of aviation statistics issued by ICAO and other producers; maintain and update the ICAO statistics site on the World Wide Web; prepare statistical material for the United Nations Statistical Division; collect, analyze and process information on orders and deliveries of civil aircraft. Provide *ad hoc* reports on civil aviation on statistics in response to enquiries.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Bibliographic services	Library, Web site	F.7	RB
2. ICAO statistics on the Internet ³	Electronic files	F.7	RA
3. Statistics for UN Statistical Division	Compendium of financial statistics (<i>Target date: quarterly</i>) UN Monthly Bulletin UN Statistical Yearbook	—	RB
4. Changes to the civil aircraft fleet	Statistical Yearbook (Doc 9180) (<i>Target date: 3Q - 99, 00, 01</i>) The World of Civil Aviation annual circular (<i>Target date: 2Q - 99, 00, 01</i>)	F.7	RB

¹Partially funded by the Prorate Agency

²Entirely funded by the Prorate Agency

³Activities which will generate substantial income from external sources.

5. <i>Ad hoc</i> reports on civil aviation statistics in response to enquiries ³	Reports, diskettes, electronic files	—	RA
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3.7.9 Sub-programme: **Adjustment and co-ordination of statistical activities**
(Strategic Action Plan: *F.7 Statistics*)

- a) **Objectives:** Implement revisions to the ICAO statistics programme with the assistance of the Statistics Panel; ensure that the statistics programme of ICAO is adequately co-ordinated and harmonized with those of other United Nations bodies, IATA, ACI and other international organizations.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Statistics Panel	Working papers, report	F.7	A
2. Implement revisions to the statistics programme	Revised digests (Target date: 2Q 00)	F.7	A
3. Co-operation with other international organizations on statistical matters	Advice and assistance, guidance material	F.7	RA

3.7.10 Sub-programme: **Guidance on aviation statistics**
(Strategic Action Plan: *F.7 Statistics*)

- a) **Objectives:** Revise and update the Manual on the ICAO Statistics Programme; maintain a continuous, systematic effort to improve the quality of aviation statistics in Contracting States, and to promote proper use of such statistics, by holding regional workshops and other informal meetings with the assistance of regional offices.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Regional workshops/seminars	Working papers, guidance material	F.7	RA
2. Manual on the ICAO Statistics Programme	Revised edition (Doc 9060) (Target date: 4Q 00)	F.7	A

3.7.11 Sub-programme: **Technological applications**

- a) **Objectives:** Develop automation in the transmission of statistical material amongst the providers of input data, the Secretariat, and the recipients of the processed statistics; further automate the processing of statistical data with a view to improved productivity and quality control; develop electronic publishing of ICAO civil aviation statistics.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Development and implementation of increased reporting and dissemination of data in electronic form, and of statistics programme quality control	Electronic files, CD-Rom, magnetic tapes, diskettes	—	A

3.7.12 Sub-programme: **Technical support**

(Strategic Action Plan: *E.7 Airport and airspace congestion, F.7 Statistics, G.1 Technical co-operation programme*)

- a) *Objectives:* Provide advice, information and material for presentations on statistical matters, air carrier tariffs and operating economics to or for other programmes of the Organization, States and other international organizations, including regional civil aviation bodies and airline associations.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	E.7, F.7, G.1	RB
2. Work for ANB, EPO, RAO, etc.	Advice and assistance, news releases	—	RB
3. Contributions to Annual Report of Council	Report (<i>Target date:</i> 1, 4Q - 99, 00, 01)	—	RA
4. Assistance to States, the UPU ⁴ , regional civil aviation bodies, IATA and regional airline associations	Advice and assistance, guidance material	F.1	RB

⁴Funded by the UPU

3.8 PROGRAMME: FACILITATION (FAL)

- a) **Objectives:** Achieve maximum efficiency in landside operations for clearance of aircraft, passengers and cargo through necessary border formalities (immigration, customs, agriculture, public health and aviation security) and reduce congestion in airport terminals, by promoting the implementation of the Standards and Recommended Practices (SARPs) of Annex 9; maintain currency of Annex 9 and related guidance material; maintain specifications for machine readable travel documents and promote their implementation; provide technical support within and outside ICAO on FAL issues.

SUMMARY FOR PROGRAMME 3.8: FAL

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P	GS		MEETINGS ¹	STAFF Strength	GEN. OP. EXPENSES ²	EQUIPMENT ³	OTHER
1999	24	12	289	15	260	12	2	
2000	24	12	294	15	265	12	2	
2001	24	12	309	26	269	12	2	

¹ Amounts relate to FAL Area meeting in 1999 and 2000 and FAL Division in 2001

² Amounts relate to travel on official business

³ Amounts relate to acquisition of office automation equipment

3.8.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative tasks related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support.

3.8.2 Sub-programme: Implementation of Annex 9

(Strategic Action Plan: *A.4 Seminars, workshops and symposia, E.7 Airport and airspace congestion*)

- a) **Objectives:** Improve the level of implementation of the policies reflected in Annex 9 through missions to States, regional meetings and seminars, communication with FAL professionals in States, liaison with regional offices, participation in FAL activities of other international organizations and publication of differences to Annex 9 SARPs.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Monitoring and publication of differences to Annex 9	Supplements to Annex 9	B.1	RA
2. Implementation of Annex 9 in States	Guidance material, answers to queries	E.7	RA
3. FAL area meetings/seminars	Conclusions and FAL programme enhancements (Target date: 3Q - 99, 00)	A.4	RA
4. Co-ordination of FAL action with other international organizations	Updated policy and guidance material	—	RA

3.8.3 Sub-programme: **Development of Annex 9 and related guidance material**
(Strategic Action Plan: *B.1 Maintaining the currency of 18 existing Annexes to the Convention and developing new Annexes as required*)

- a) *Objectives:* Develop and amend provisions of Annex 9, as necessary, to keep them current; update policy documentation; produce guidance material as needed by Contracting States.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Development of new or amended SARPs	Reports of FAL Panel, amendments to Annex 9 (Target date: 3Q - 99, 00, 01)	B.1	RA
2. FAL involvement in narcotics control, AVSEC, and control of travel documents fraud	Doc 7891 (Revised) (Target date: 4Q 99)	E.1	A
3. Development of guidance material	Checklists, reference material	—	A

3.8.4 Sub-programme: **Machine readable travel documents (MRTDs)**
(Strategic Action Plan: *B.1 Maintaining the currency of 18 existing Annexes to the Convention and developing new Annexes as required, E.7 Airport and airspace congestion*)

- a) *Objectives:* Maintain currency of specifications in Doc 9303, Machine Readable Travel Documents, Parts 1 to 4, consistent with new developments in machine reading technology and anti-fraud techniques; extend guidance material to devices for automated border inspection; co-ordinate with International Organization for Standardization (ISO) for endorsement of ICAO specifications as ISO Standards; promote worldwide implementation of MRTD specifications.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Updating of MRTD specifications	Doc 9303, new editions, Parts 1, 2, 3 (<i>Target date:</i> 1Q - 99, 00, 01)	B.1	B
2. Automated border inspection devices	New specifications (<i>Target date:</i> 2Q 99)	E.7	B
3. Implementation of specifications	Speeches, published articles, increased participation by States	E.7	B

3.8.5 Sub-programme: **Technical support**
(Strategic Action Plan: *A.5 Technical co-operation programme, E.7 Airport and airspace congestion*)

- a) *Objectives:* Provide expertise and material for presentations in matters involving facilitation issues, within and outside ICAO.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Technical co-operation	Advice and assistance	A.5, E.7	RB
2. Work for ANB, EPO, RAO, etc.	Advice and assistance	E.7	RB
3. Contributions to Annual Report of Council	Report (<i>Target date:</i> 4Q - 99, 00, 01)	—	RA
4. Inter-organization liaison	Joint documents	E.7	RB

3.9 PROGRAMME: AVIATION SECURITY (AVSEC)

- a) **Objectives:** Maintain the currency of Annex 17 and related documents; plan, develop and co-ordinate the activities of the Organization in the field of aviation security, keep current information on implementation of security measures, update guidance material, keep abreast of research and development and technological innovations, liaise with regional AVSEC co-ordinators, analyze recent occurrences and follow-up on reporting procedures; provide assistance to States through advice on AVSEC organization and techniques, the conduct of surveys and assessments on a confidential basis, the co-ordination of training requirements and the planning and implementation of regional/sub-regional seminars and workshops; liaise, negotiate and co-ordinate with potential donor States/Organizations bilateral, regional and multi-lateral assistance; pursue voluntary financial, technical and material contributions to the programme; develop and maintain the ICAO Training Programme for AVSEC and plan and conduct training for States' AVSEC personnel and other staff. Provide support services to the Committee on Unlawful Interference, the Aviation Security Panel, the *Ad Hoc* Group of Specialists on the Detection of Explosives (AH-DE) and other technical bodies; provide support to the Technical Co-operation Bureau, the Air Navigation Bureau and other bureaux; maintain close and constant liaison with international bodies by way of advice and information.

SUMMARY FOR PROGRAMME 3.9: AVSEC

REGULAR BUDGET - RESOURCE REQUIREMENTS

YEAR	WORK MONTHS Strength		TOTAL COST (\$ 000)	DIRECT COSTS (\$ 000)				
	P ¹	GS		MEETINGS ²	STAFF Strength	GEN. OP. EXPENSES ³	EQUIPMENT ⁴	OTHER
1999	48	60	655	6	596	46	7	
2000	48	60	664		611	46	7	
2001	48	60	685	6	622	49	8	

¹ Excludes 1 Professional staff (12 work months per annum) to be financed by increased revenues from sales of the ICAO Training Programme for Aviation Security

² Amounts relate to AVSEC Panel and AH-DE

³ Amounts relate to travel on official business and software acquisition

⁴ Amounts relate to acquisition of office automation equipment

3.9.1 Sub-programme: Programme management

- a) **Objectives:** Plan, develop and supervise the implementation of the programme; co-ordinate administrative aspects related to the execution of the programme and personnel questions; maintain high levels of professional expertise; provide secretarial support; maintain awareness of technical trends and developments.

3.9.2 Sub-programme: **Support for deliberative bodies**
(Strategic Action Plan: *E.1 Unlawful interference programme*)

- a) **Objectives:** Research, analyze, report, prepare and present papers for the Council, the Committee on Unlawful Interference, the Aviation Security Panel, the *Ad Hoc* Group of Specialists on the Detection of Explosives and other technical working groups as well as the Air Navigation Commission and carry out the necessary secretarial functions on behalf of deliberative bodies.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Support for work of ICAO technical bodies in relation to aviation security matters including funding and implementation of assistance programmes	Analysis, support and assistance (Annex 17, Doc 8973) Memoranda, working papers (Target date: 1, 2, 4Q - 99, 00, 01) Reports	E.1	RA

3.9.3 Sub-programme: **Maintenance of Annexes and related documents**
(Strategic Action Plan: *B.1 Maintaining the currency of 18 existing Annexes to the Convention and developing new Annexes as required*)

- a) **Objectives:** Maintain the currency of Annex 17, taking into account the deliberations of the Council and its subordinate bodies and the need for harmonization with the practices and procedures of other international bodies; receive and publish differences and co-ordinate compatibility of the document with other Annexes.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Update of Annex 17	Amendments to Annex 17 and other Annexes	B.1	RA
2. Harmonization of SARPs with practices and procedures of other international bodies	Enhanced requirements	B.1	RA
3. Receipt and analysis of information on differences	Publication of findings	B.1	RA

3.9.4 Sub-programme: **Incident reporting and analysis**
(Strategic Action Plan: *E.1 Unlawful interference programme*)

- a) **Objectives:** Ensure that all acts of unlawful interference are reported as required and maintain the AVSEC data base; provide analysis of occurrences and adjust activities as required by the Council; disseminate information to States, international organizations and industry.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Liaise with Regional Offices	Reports from States	E.1	RA
2. Compilation and maintenance of ICAO incident reporting data base	Statistical breakdown of incidents	E.1	RA
3. Analysis of data and adjustment of activities	Analysis, memoranda, activities and State letters	E.1	RA

3.9.5 Sub-programme Guidance material

(Strategic Action Plan: *E.1 Unlawful interference programme, A.3 Unlawful interference programme*)

- a) *Objectives:* Analyze global aviation security activities, implementation difficulties and recent occurrences as well as requests from Council, ANC, committees, panels, study groups, States and industry; follow up to keep all guidance material up to date and available to States.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Review of specifications in ICAO documents to safeguard international civil aviation against acts of unlawful interference	Determinations for new or amended guidance material (Doc 8973, other documents)	E.1	RA
2. Update of guidance material	Amendments to guidance material (Doc 8973, other documents)	A.3	RA

3.9.6 Sub-programme: AVSEC training programme development

(Strategic Action Plan: *E.1 Unlawful interference programme*)

- a) *Objectives:* Develop, employing TRAINAIR methodology, Standardized Training Packages (STPs) as integral parts of the training programme; maintain all module components of each STP and update them to reflect, among other elements, user-States' requirements and observations, technological developments related to security, and trends and developments in acts of unlawful interference.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Determination of States' training needs	Identification of STPs	E.1	RA
2. Conduct of subject matter analysis phase	Identification of content	E.1	RA
3. Development of subject matter text	Modules	E.1	RA
4. Development of audio-visual aid component	Training aids, State letter (Target date: 2Q - 99, 00, 01)	E.1	RA
5. Conduct of test course of individual STPs	Material validation	E.1	RA

6. Review of information input necessary to update material	Current material (TRAINAIR Training Development Guideline)	E.1	RA
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3.9.7 Sub-programme: **Status and impact of technology**
(Strategic Action Plan: *E.1 Unlawful interference programme*)

- a) **Objectives:** Keep abreast of security equipment available on the market and research and development being carried out by States and industry; develop technical specifications in respect of security equipment for the purpose of providing advice to States and industry on acquisition, further research and application; monitor the development of explosive detection devices; study the implications of these developments on the human resources component.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Collection and collation of information on available security equipment	Comprehensive listing and data base	E.1	RA
2. Monitoring of research and development efforts	Co-ordination	E.1	RB
3. Development of technical specifications	Advice and guidance to States and regional training facilities	E.1	RA
4. Monitoring of the development of explosive detection devices	Advice to States and technical bodies (<i>Target date:</i> 2, 4Q - 99, 00, 01)	E.1	RA
5. Monitoring of human factor implications	Criteria for personnel selection and identification of specialized training (Annex 17, Technical Annex to the Convention on the Marking of Explosives)	E.1	RA

3.9.8 Sub-programme: **Technical support**
(Strategic Action Plan: *A.3 Unlawful interference programme*)

- a) **Objectives:** Provide General Service support to the Mechanism for financial, technical and material assistance to States with regard to aviation security.

b) <i>Programme elements:</i>	Output, reference and target date	SAP-Key Activity	Priority
1. Support for work of ICAO Mechanism assistance programme	Collation, analyses and production of reports (Various protocols and agreements)	A.1	RA