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NORTH ATLANTIC COUNCIL

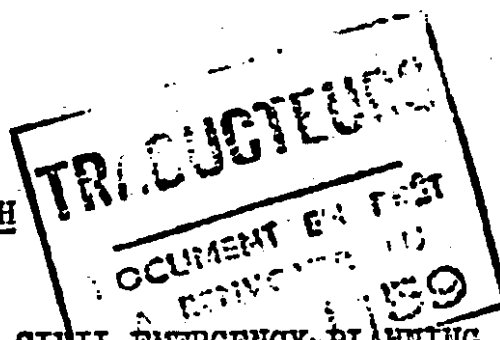
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AC/98-D/476

SENIOR CIVIL EMERGENCY-PLANNING COMMITTEE

FINANCING OF THE TELECOMMUNICATIONS REQUIREMENTS OF NCWAs

Note by the Chairman

In submitting document AC/98-D/475, concerning the financing of telecommunications requirements for NCWAs, I informed the Senior Committee that further developments were under way and that these would be communicated to it in due course.

2. The Civil Communications Planning Committee discussed this matter at length, at its meeting on 27th-29th April, 1970, and the Chairman has now forwarded to me on the CCPC's behalf the report which is attached hereto.

3. In view of the urgency to obtain a decision on the matter, which would allow the budgeting of certain requirements in the 1971 budgets, this report will be placed on the Agenda of the Senior Committee's reinforced meeting to be held in June 1970.

(Signed) Marino DEVEGLIA

NATO,
1110 Brussels.

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REPORT BY THE CIVIL COMMUNICATIONS PLANNING
COMMITTEE ON COMMUNICATIONS REQUIREMENTS
FOR NCWA

1. As reported in document AC/98-D/473, a first isolated attempt to obtain NATO funding for a circuit to meet NCWA communications requirements was not agreed by the Working Group of National Communications Experts as there was no overall plan of requirements or policy governing the precise budget responsible for handling of such requirements.

2. After some contacts with various sections at NATO Headquarters, a series of CCPC staff meetings was arranged for the 21st-22nd April, 1970. During these staff meetings, I had the opportunity to consult, assisted by the Communications Adviser and the Secretary, and according to the various aspects of the problem to be solved, with the German, Netherlands and United States Representatives to the CCPC, members of the C-E Division of the IMS, members of the Signals Section of the Infrastructure Directorate and the Chairman of the Civil and Military Budget Committees.

3. The outcome of these various discussions is that the CCPC will have to submit three different requests:

- (a) to the Civil and Military Budget Committees, according to C-M(63)90, as regards the reserved circuit requirements;
- (b) to the Senior Committee, for a policy decision on the financing of the terminal and other related equipments to be installed in NCWA centres;
- (c) to the Council, through the Senior Committee, for the authorization to include the overall CEP TROL requirements in the existing Infrastructure TROL programme, and for the agreement to the eligibility to common funding of the terminal and other related equipments to be installed in the NATO switching centres concerned(1), as distinct from those intended for NCWA centres.

4. As regards the request to the Civil and Military Budget Committees, mentioned in 3(a) above, this is necessary as the original Council approval of the eligibility to international funding of the reserved circuits did not specify which of the two Budget Committees would, in fine, be responsible for the financial screening and approval thereof. Action has been taken in this respect, including the division of responsibilities as regards the submission of detailed individual requests, in close co-ordination with the NATO Military Authorities.

(1) such as Evre, CINCHAN, etc., as indicated in the diagram at Annex.

5. As regards the terminal and other related equipments to be fitted in NCWA centres, mentioned in 3(b) above, this item covers all the installations described in the Communications Criteria now annexed to AC/98-D/409(2nd revise). In accordance with paragraph 13(e) of the basic criteria C-M(63)90, circuits from NCWAs which have a termination at an establishment of a national civil authority will not be considered for international funding unless the nation concerned undertakes to provide at national expense suitable operating terminal equipment and operating personnel at the national end. Inversely, however, no policy decision has been taken as regards the installations equipping the NCWA end of such circuits. A decision by the Senior Committee is urgently required in this respect.

6. Finally, as regards the TROL cryptographic equipment to be installed throughout the network planned under the temporary arrangements, and the terminal and other related equipments to be installed in the NATO switching centres, mentioned in 3(c) above, eligibility to international funding has to be approved by the Council; it should be noted, in this respect that this integration may involve additional costs for the expansion of physical works and telecommunications facilities in the Infrastructure-provided facilities. The CCPC has therefore prepared the attached draft report, with the request that the Senior Committee agree to forward it to the Council as a matter of urgency, independently of the measures to be taken as requested in paragraph 5 above.

7. It is hoped that the Senior Committee might find it possible to consider this report and, in particular, agree to forward the draft report to the Council attached hereto, at its forthcoming reinforced meeting of June 1970. A diagram of the overall temporary arrangements is annexed to the draft report to Council.

(Signed) Finn VALEUR
Chairman

PROVISION OF COMMUNICATIONS TO NATO CIVIL WARTIME
AGENCIES - OVERALL TROL REQUIREMENTS AND ELIGIBILITY
TO INTERNATIONAL FUNDING OF TERMINAL AND OTHER RELATED
FACILITIES AT NATO SWITCHING CENTRESDraft Report to the Council by the Senior
Civil Emergency Planning Committee

1. In accordance with its Terms of Reference(1), the Civil Communications Planning Committee has been charged with the planning and implementation of communications for NATO Civil Wartime Agencies (NCWAs). It has therefore been planning for a network, based on the common-user principle, to cover the telecommunications requirements of NCWAs, by linking them to each other, NATO Headquarters, the Major and Subordinate NATO Commands and the wartime seats of the fifteen governments.

2. This planning had, by 1963, progressed enough to allow for the establishment of criteria for the eligibility to international financing of the circuits necessary to meet the NCWAs communications requirements. These criteria were submitted to the Council in C-M(63)90 and approved in January 1964(2).

3. In the meantime, the Civil Communications Planning Committee was informed that SHAPE had initiated a study on an overall NATO common user network, now known as the NATO Integrated Communications System (NICS), which would also cover civil emergency requirements. It consequently discontinued its own work and contributed to the SHAPE study to the maximum extent possible. However, since the SHAPE study was and still is a long-term project, the Civil Communications Planning Committee developed, in agreement with the NATO Military Authorities, shorter term "temporary arrangements" intended to cater for essential immediate requirements. A diagram of the relevant plan is annexed hereto. Short-term crypto requirements were also calculated and communicated to the NATO Military Authorities with the request that these be included in their own assessments for the relevant military installations which were to provide switching facilities for this solution(3).

4. The temporary arrangements imply the provision of a maximum of 33 duplex circuits, plus the installation of a maximum of 66 TROL cryptographic equipments (of which 2 to be financed by France) at the NCWA, military and national entry points, and at the NATO switching centres, as well as the provision of related terminal equipments at the selected NATO switching centres. These estimates may be reduced, after detailed study of the possibly existing extra capacity available in

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- (1) now set out in paragraph 2 of Annex III to C-M(66)66,
approved by Item III of C-R(66)63
(2) C-R(64)1, Item II, as amended by RDC/64/206
(3) paragraph 13 of C-M(63)90

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Infrastructure provided facilities, it being intended to make the maximum possible use thereof in order to reduce capital and annual rental costs. All the above requirements are intended to form, later on, an integral part of the planned NICS.

5. The appropriate requests regarding the circuits are being addressed to the Civil and Military Budget Committees, in accordance with the provisions of C-M(63)90.

6. As regards however the TROL equipment, which is considered as an essential part of the circuit, the Civil Communications Planning Committee, has, in consultation with the NATO Military Authorities and the Infrastructure Directorate, come to the conclusion that the most rational approach would be to obtain their inclusion as an add-on item to the existing Infrastructure TROL procurement programme, as has been done for the NATO-wide communications system. The overall maximum cost is expected to amount to about B.fr. 28,800,000 (IAU 206,000).

7. In addition, no policy decision has as yet been taken on the eligibility to international financing of the terminal and other related equipments required in NATO switching centres to accommodate the new circuits. The overall maximum cost is expected to amount to about B.fr. 15,000,000 (IAU 108,000). Additional personnel in these NATO switching centres may, eventually, be required.

8. Prior therefore to the screening of detailed requests by the Infrastructure and Civil and/or Military Budget Committees, a decision is required on both items mentioned in paragraphs 6 and 7 above.

9. The Council is therefore invited to:

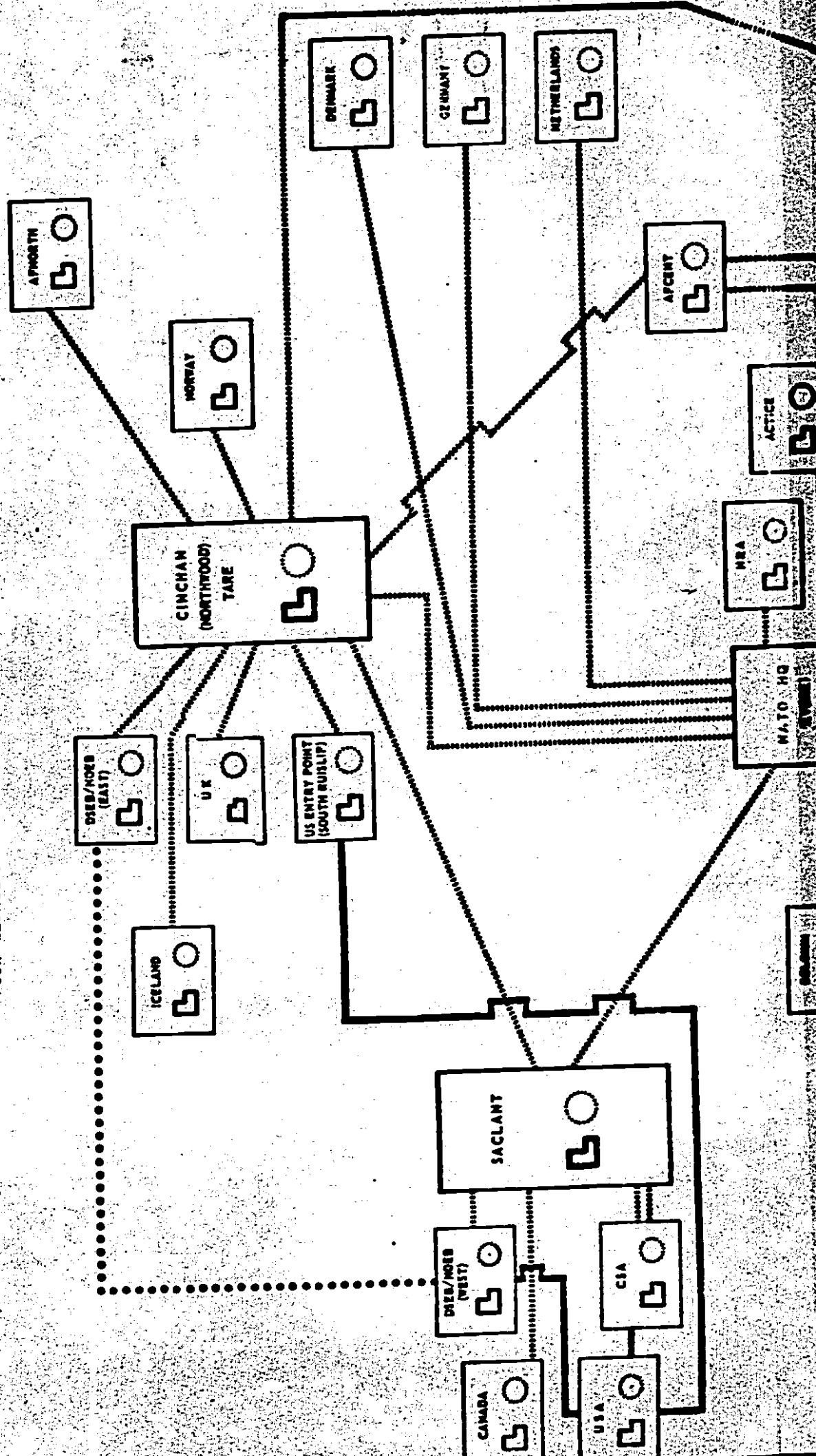
- (1) note the progress made in planning for the communications requirements of NCWAs;
- (2) note that the temporary arrangements to meet the most urgent of these requirements, as outlined in the diagram annexed to this report, are based on the maximum possible use of the existing extra capacity available in Infrastructure provided facilities which may, however, require expansion when the traffic volume is known;
- (3) agree that the overall TROL requirements, with the exception of the equipment for France which is to be nationally financed, should be incorporated in the existing Infrastructure TROL procurement programme as an add-on to the present number included in the Slices XXI and XXII;

- (4) agree to the eligibility to international financing, out of civil or military budget funds, of the terminal and other related equipments required for installation in NATO switching centres to cater for the NCWA circuits, subject to the normal budgetary screening procedures applicable to the circuits they are related to.

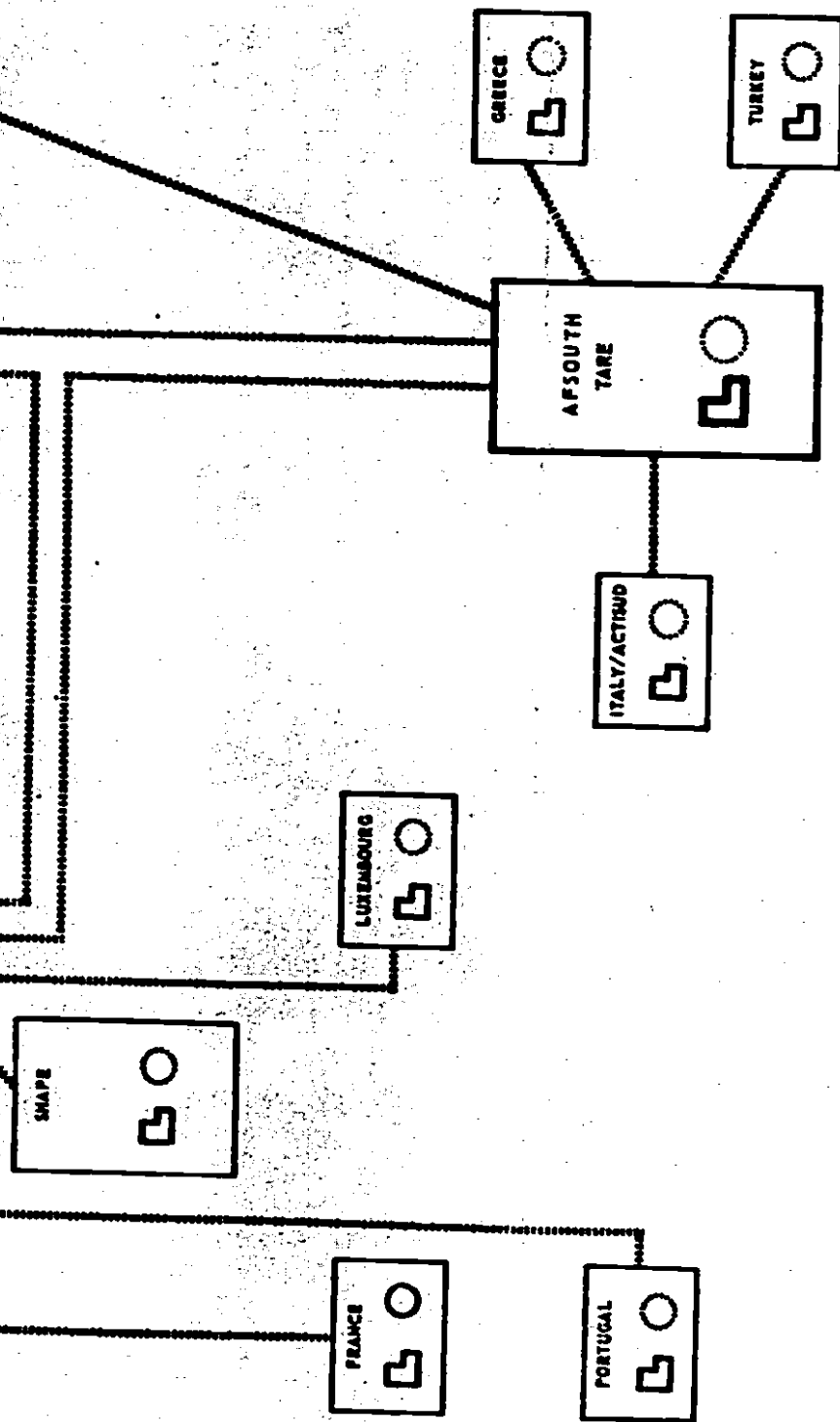
OVERALL DIAGRAM OF THE PROPOSED TEMPORARY ARRANGEMENTS
FOR NCWA's COMMUNICATIONS REQUIREMENTS

SCHEMA D'ENSEMBLE DES DISPOSITIONS PROPOSEES
POUR LES BESOINS EN TELECOMMUNICATIONS DES ACOC

CCPC CHART 4/A



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DUPLEX CIRCUITS REQUIRED, OR POSSIBLY REQUIRED, TO DE NATO FINANCED
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**EXISTING NATIONAL CIRCUITS
CIRCUITS NATIONAUX EXISTANTS**

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