

Declassified E.O. 12356 Section 3.3/NND No. 785015

ACC

10000/100/425

18pp

Declassified E.O. 12356 Section 3.3/NND No. 785015

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PUBLIC WORKS & UTILITIES
SEPT., OCT. 1943

18pp

Mission - collection of info should be largely thru Italian officials, supplemented by Regional officers. I believe this mission should include arrangement for provision of construction materials for rehabilitation of roads & utilities in agreement with the needs, 1st of Allied Forces, 2nd the needs of Italian economy as noted under Operations.

Staff & Operating Functions need revision
 Final is to be separate sub-commission JGR

Memo 2.

Reference to A. paras 6 and 7.

Organization of Italian State Railways includes Engineering Department, both Civil and Mechanical, competent to put railways in working order provided materials are available.

Chief function of Public Works and Utilities, Sub. Com. as regard, railways will be supply of electric power, because that for railways is largely inter-connected with supply for whole of Italian industry and civil needs.

The effect of war damage on capacity of railways will be temporary. The possible shortage of locomotives, rolling stock, fuel, etc. emphasizes necessity for expert operating supervision by Transportation Sub. Com. to ensure that available facilities are used to maximum and to best advantage to Allied cause.

Colt

785015

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3. Oct. 1943.

W. K. Kelly Col.
Transportation.

JACS.

Ref. letter from Lt. Col. Verry (POWER) 6/Oct/43 on "organization"; forwarded for your info. as requested.

7/Oct/43

D. J. Johnson
Col (F.F.)

7/Oct/43 5A is addressed to JCS and should be distributed to them on arrival at Tizi

5284

10/10/43

10/10/43

7A

TO: J.A.C.S. (S & F)

FROM: P.W.U. A.C.

SUBJECT: Functions of Public Works & Utilities Sub-Commission

REFERENCE: AC/1155

DATE: 26 October 1943

1. Following discussion with you today, arising out of Brigadier Gueterbock's comments on my letter and enclosures dated 22 Oct. 1943 -- I attach a revised and slightly amended statement.

2. Local Bus and train services (electric only).

I have made the position clearer. This sub-commission would deal only with construction problems pertaining to tracks & overhead equipment i.e. for trolley-buses and trains. (Operation of these services would be for Transportation Sub-Commission).

3. Salvage (engineering materials).

I had already included this, and it may stand. Today I have been shown, for the first time, file ACC/1152 on this subject. I am personally acquainted with most of the facts set out in it, and I agree that this S.C. would operate the service (through Italian agencies) on the lines indicated.

4. Harbour Works & Docks.

I note Brig. Gueterbock's comment on this:-

(a) If "Transportation" S.C. have a staff of civil engineers at their disposal, (i) with experience in tidal & structural works, and (ii) material resources behind them, then I see no reason why they should not take over these constructional responsibilities, in place of this S.C.

(b) The same would apply if the British or U.S. Navies have such an engineering staff. At the Admiralty (London) there is a Chief Civil Engineer, with a highly competent and experienced technical staff serving him in every naval dockyard and port

785015

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(b) The same would apply if the British or U.S. Navies have such an engineering staff. At the Admiralty (London) there is a Chief Civil Engineer, with a highly competent and experienced technical staff serving him in every naval dockyard and port (B) in the world. It works with and for the Navy, but in separate and distinct from it.

(c) This S.C. has more than enough to do, without structural responsibility for docks and harbours, but we are quite ready to accept it if it is so decided. Further, it may be that we shall be in a position to enlist Italian technicians, organisation and materials to a greater extent than other S.C.'s could and, certainly, to a greater extent than the Navy could -- (U.S. or British).

5. The attached papers form a revised summary in the light of the above, and to the extent to which my previous suggestions (22 Oct) were accepted.

G. E. RHODES
Lt. Col. R.E.
P.W. & U. A.C.

5279

GER/sar

Suggested Revision of Appendix D, (P.D. No. 7) of 26 Sept. 1943. 7B

FUNCTION OF PUBLIC WORKS AND UTILITIES

SUB-COMMISSION.

1. MISSION.

- (a) To collect, analyse, and collate information through Italian or any other channels, on actual conditions of public works & utilities; supplementing this by actual inspections, visits, or local conferences to the extent necessary.
- (b) Ascertainment of War Damage in its relation to the proper functioning of public works, public utilities, engineering services generally, and essential industries.
- (c) Through Italian agency to arrange for re-habilitation, reconstruction, or repairs, in order of approved priorities; and with particular reference to the needs of the Allied Forces.

2. MAJOR FUNCTIONS.

The P.W. & U. Sub-Commission performs the following Staff Functions:-

- (a) In conjunction with the Industrial Planning Staff formulates policies and plans for the supply of structural materials, and for their allocation, according to priorities and minimum requirements.
- (b) To ensure that repairs of War Damage will generally be on a minimum or "first aid" scale, in nature sufficient only to enable the works or installation to carry on. (Permanent repairs or complete reconstruction will, usually, be a matter for post-war consideration).
- (c) In this connection strict control will normally be possible over the Italian authorities, and executive agencies, by the allocations of materials in (a) above; or, by imposing definite labour or financial restrictions.

Important.

- (d) Establishes Liaison with other Sub-Commissions as shown in Appendix A, attached.
- (e) Makes recommendations to the Commission with respect to the foregoing.

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Important.

- (d) Establishes Liaison with other Sub-Commissions as shown in Appendix A, attached.
- (e) Makes recommendations to the Commission with respect to the foregoing.

3. THE P.M. & U. Sub-Commission directly performs the following FUNCTIONS.

- (a) Supervises the execution of work by means of its Functional organization.
- (b) Issues technical Directives (to the extent approved by the Commission) to Italian executive agencies, on matters noted above.
- (c) Carries out inspections of sites, schemes proposed, & works in hand.
- (d) Examines and reports on plans, estimates, calculations, and engineering facts or data put forward by the Italian authorities with a view to advising agreement, modification, or rejection by the Commission.
- (e) Suggests suitable alternatives, from time to time, and initiates plans and designs (in outline only) to the Italian authorities for development & execution by them.

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APPENDIX A

LIAISON WITH OTHER SUB-COMMISSIONS

LEGAL

Compulsory land acquisition. Wayleaves and Easements. Ownership and Management of Utilities.

PUBLIC HEALTH

Shelters. Water, Main Drainage and Disposal. Flood Prevention. Anti-Malarial measures. Selection of Sites. Refuse Destroyers, etc.

PUBLIC SAFETY

Shelters, Bomb Disposal. Water Distribution (Fire.) Demolitions (generally).

EDUCATION AND FINE ARTS

Ancient Monuments (selection of sites, preservation).

LABOUR

General Liaison. (all branches of P.W. & U.)

PROPERTY CONTROL

Notifications or consultations, re proposed P.W. schemes.

FINANCE

Submission of Estimates. Regularising excess expenditure matters. Sanctions and Approvals.

INDUSTRY & COMMERCE

National factory re-construction work. Priorities. Materials Supply.

AGRICULTURE, FORESTS AND FISHERIES

Timber Supplies. Irrigation, Flood Prevention. Land Drainage. Wayleaves. Access.

FUEL

Solid and liquid supplies. (for Public Services)

TRANSPORTATION

Bridges, Highways. Ports. Railways. Electric Power. (construction and repair questions only.)

TELECOMMUNICATIONS

Inter-communication between essential key points (Utilities)

P.W. & U. S.C. Now being revised. (see F.D. No. 12)

Officers
W.E. 16

Functions:-

(1) Municipalities & Engineering Services

(a) Water (reservoirs
(filtration plants
(aqueducts & distribution systems
(pumping stations

(b) Gas -- undertakings generally.
(c) Town Planning
(d) Bomb disposal (UXB's)
(e) Refuse disposal services
(f) Irrigation
(g) Flood prevention projects
(h) Land drainage
(i) Main drainage & Disposal
(j) Trainways & trolley-bus services (electric) -- track & overhead equipment (only)

2) Mechanical

(a) Machinery
(b) Steam power
(c) Compressed air.

3) Structures

(a) Brigades
(b) Public buildings
(c) Shelters
(d) Demolition
(e) Salvage (engineering materials)
(f) Tunnels (road)

4) Electric Power & distribution

(a) Installations
(b) Transmission
(c) Distribution
(d) Traction

5) Highways, Canals (Ports?)

(a) Inland waterways (canals)

- (g) Flood prevention projects
- (h) Land drainage
- (i) Main drainage & Disposal
- (j) Trainways & trolley-bus services (electric) -- track & overhead equipment (only)

2) Mechanical

- (a) Machinery
- (b) Steam power
- (c) Compressed air.

3) Structures

- (a) Brigades
- (b) Public buildings
- (c) Shelters
- (d) Demolition
- (e) Salvage (engineering materials)
- (f) Tunnels (road)

4) Electric Power & distribution

- (a) Installations
- (b) Transmission
- (c) Distribution
- (d) Traction

5) Highways, Canals (Ports?)

- (a) Inland waterways (canals)
- (b) Highways
- (c) Ports, harbour works & docks. (?) See para. 4, letter 26 Oct. attached.

5276

785015

** Put on file*
** Now 11A*
See letter
26/10 - 8
received
statement
attached
GEP
26/10

TO: Brig. Quaterback.
FROM: Lt. Col. G.E. Rhodes, R.E.
SUBJECT: Report on P.D. 7. dated 26 Sept. 43.
REFERENCE: AC/1001/PWU.
DATE: 22 October 1943.

With ref. to the instructions you gave me on the afternoon of Tuesday 19 Oct 43, I attach, herewith, in draft form some suggestions in amplification of P.D. No.7. of 26 September last.

You will note that I have made a number of alterations, as well as additions.

G.E. Rhodes

22.10.43.

G.E. RHODES.

Lt. Col. R.E.

A/Chief of P.W. & U. Sub-Commission.

→ *Col. Adams* ✓

Though I do not accept all this exactly as it stands, it is an interesting and helpful document.

Carquett
 Brig.
 24 Oct.

5271

** This note "PUT ON FILE" was evidently misread by the Clerk for "LABOUR FILE" (No 1160) - which it was found.*
Refilled 20 Mar 44
of G.H.M.

6581

Appendix A.

NOTES ON

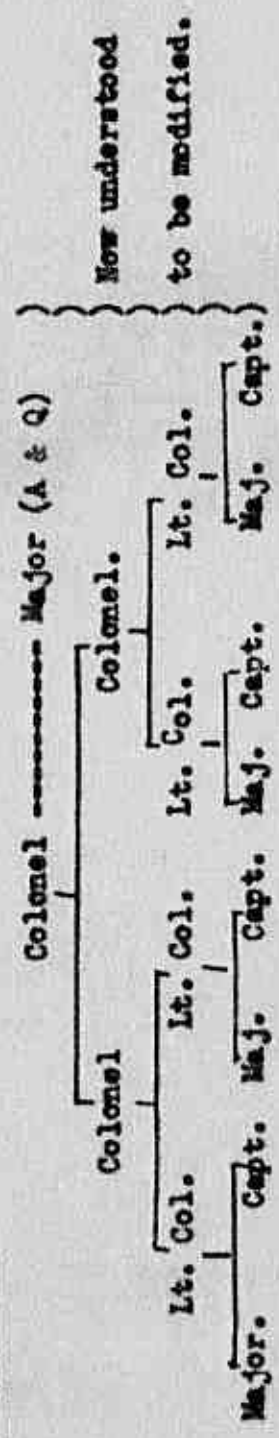
PUBLIC WORKS & UTILITIES SUB-COMMISSION.

1. W/E. (original.)

Rank.	British.	American.	Totals.
Colonels.	2.	1.	3.
Lt. Cols.	1.	2.	3.
Majors.	3.	3.	6.
Captains.	-	4.	4.
TOTALS.	6.	10.	16.

Now understood to be modified.

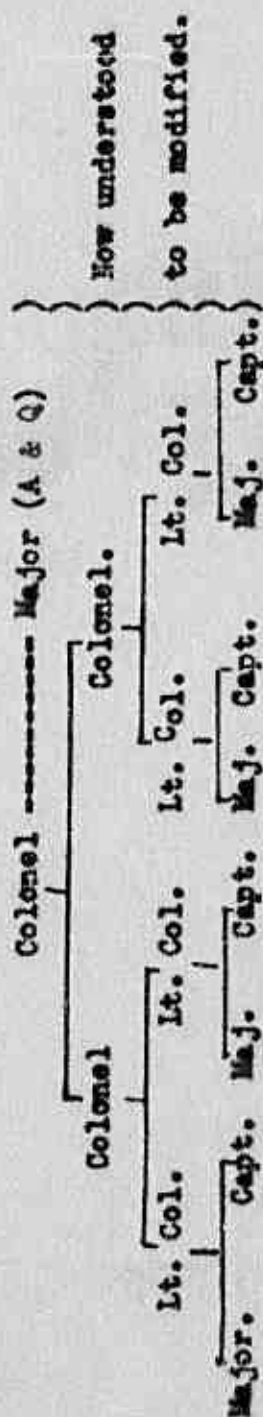
2. POSSIBLE SET-UP.



3. FUNCTIONS. - (Appendix B to P.D. No. 7, dated 26 Sept. 45.)

- (1). POWER. a. Reservoirs.
b. All types of Power Stations.
c. Electrical transmission and distribution systems.
d. Electrical equipment in important installations.
e. Steam Power.
f. Compressed Air.
- (2) WATER. a. Reservoirs.
b. Purification Plants.
c. Water Mains.
d. Aqueducts.

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b. All types of Power Stations.
c. Electrical transmission and distribution systems.
d. Electrical equipment in important installations.
e. Steam Power.
f. Compressed Air.

- (2) WATER. a. Reservoirs.
b. Purification Plants.
c. Water Mains.
d. Aqueducts.

- (3) SEWERS. a. Sewer Mains.
b. Disposal and Disposal Plants.

- (4) GAS. a. Gas Production Plants.
b. Gas Mains.

- (5) TRANSPORT. a. Local Bus and Tramways.

- (6) HIGHWAYS. a. Main City and Country Highways.
b. Bridges and trestles.
c. Road Tunnels.

Observations on the above: -

(a) Under WATER add Pumping Stations.

(b) Under TRANSPORT. Should include only provision of facilities (e.g. Track or water equipment) for operation, and might be included under POWER or HIGHWAYS (see App. A. - P.2.)

(c) There is no provision for the following:-

- { a. Harbour Works and Docks.
b. Inland Waterways. (Canals.)
c. Public Buildings.
d. Town Planning.
e. Refuse Disposal.
f. Bomb Disposal.

IMPORTANT.

Transportation 5275

P.T.O. →

Internal Transport
I do not think is deal with local
will want to deal with more in the
conway, more in the
e.g. Track or water
equipment for operation, and might be included under POWER or HIGHWAYS (see App. A. - P.2.)

Appx. A.

3. FUNCTIONS (Cont.)

Observations cont.

- (e). g. Irrigation.
 (f. Flood Prevention.
 (h. Demolitions.
 (j. Salvage. (Engineering Materials.)

IMPORTANT. (j. Salvage. (Engineering Materials.)

4. Suggested functional organization.MUNICIPALITIES AND ENGINEERING SERVICES.

Reservoirs.			
Irrigation.			
Flood Prevention.			
Land Drainage.			
Main Drainage.			
Water.			
Gas.			
Town Planning.			
Bomb Disposal.			
Refuse Disposal.			

Major.

Lt. Col.

Capt.

On N.E. approved provis-
 ionally i.e. 16 only.

Col.

Col. (Chief.)

Major. (A & Q)

ELECTRIC POWER AND DISTRIBUTION.

Installations.			
Transmission.			
Distribution.			
Traction.			

Major.

Lt. Col.

Capt.

STRUCTURES.

Bridges.			
Structures.			
Buildings.			
Shelters.			
Demolitions.			
Salvage. (Eng.)			

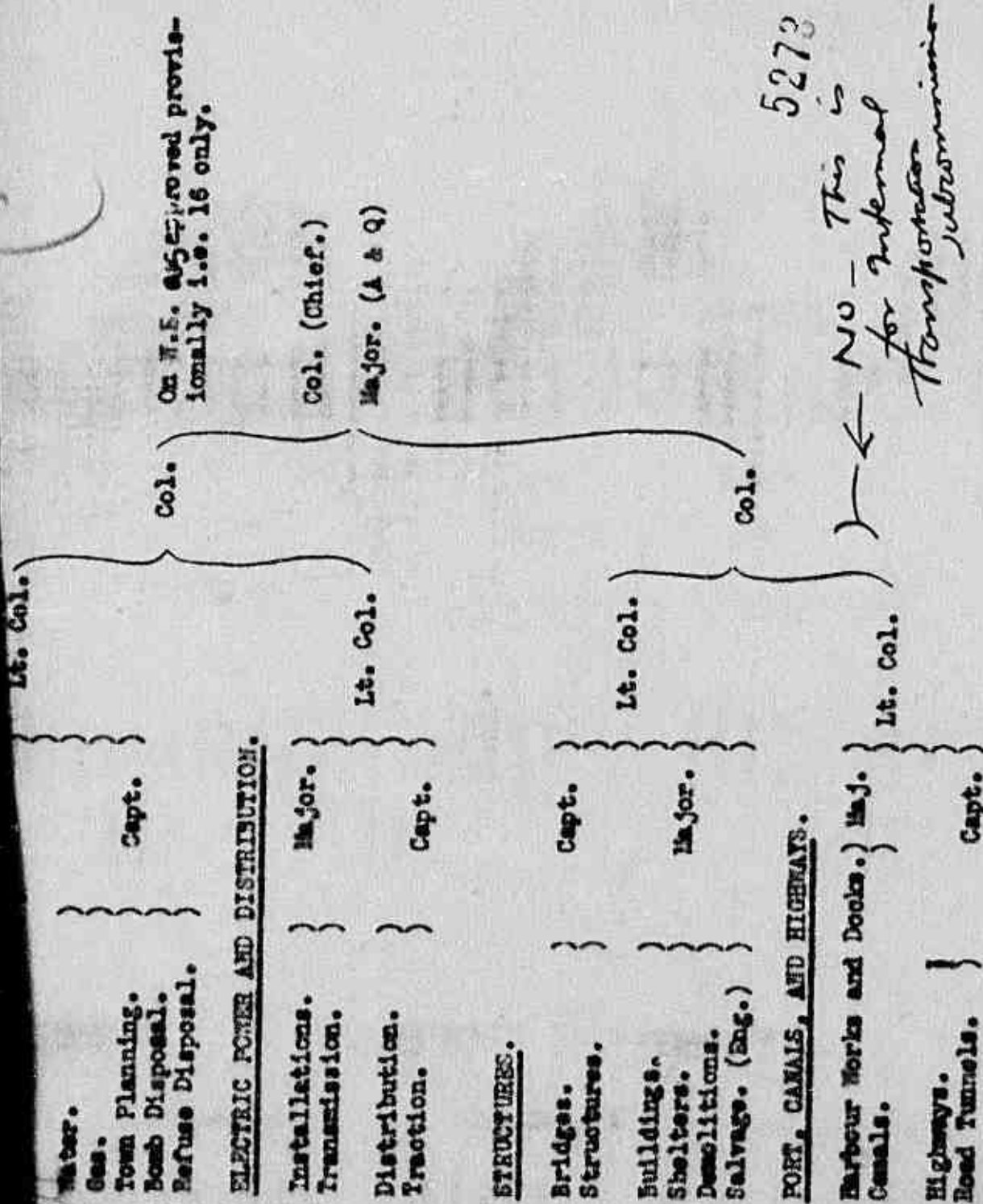
Capt.

Lt. Col.

Major.

Col.

5272

**Note:-**

- (1) The foregoing indicates that a total of 16 officers is probably inadequate
- (11) With a slight increase in numbers, a much better organisation than the above might be possible.

P.T.O.

Liaison matter

785015

Reference: AG 1149/8.

12 Oct. 43. BA

Minutes of Conference held at Hollywood (Room 4) 12 Oct. 43 at 1130 hrs.

Subject: Procurement of structural timber.Present: Col. G.S. Adams E.F. Directorate
Lt. Col. Jenay PW & U.
Major Hartman Agric.
Lieut. McDonald Agric. (Forestry)

After discussing general requirements and possible sources, Italy, U.S., Australia, West Africa and other; Agreed that Lt. Col. Jenay (PW&U) will furnish to Agriculture an estimate of kind and types of heavy timbers and other, required for immediate emergency needs. That Agriculture will explore various sources of supply, having in mind security of shipping and necessity of using local sources and also substitutes adequate for temporary structures, and prepare a report as soon as practicable so that requisitions can be prepared.

That Agriculture will furnish information to Ind-Cos as to the availability of saw mill machinery, including "log carriers" that will be required for use in Italy including possibility of securing "Lumber Co's" (Army) Royal Eng's or U.S. Eng's. Procurement of machinery and equipment will be by Ind-Cos Sub. Cos.

That Agriculture will have the responsibility for saw mill operations. That Agriculture will set up liaison promptly with the Forest Products Research Lab. at Princes Risborough and U.S. Forest Products Lab. at Madison Wis. to secure information as to substitutes such as built up and laminated structural timber.

That Agriculture will also set up liaison with N.A.S.B. through proper channels.

G.S. Adams
G.S. ADAMS
Colonel.
E.F. Directorate.

Distribution:

E-F
PW & U Sub-Cos.
Agric. "
Ind-Cos.
File 1074
" 1155 ✓

5272

785015

EA
J

ALLIED FORCE HEADQUARTERS
Military Government Section

DW/cags

9th October, 1943.

SUBJECT: Engineer Construction.

TO : H.Q., A.M.G., C.M.F.,
J.A.C.S. ✓

did not
reach Hollywood
B.H. Peckham
Acting Chief Clerk
9/10/43
10 Oct 43.

Reference attached copy of a memorandum from Chief Engineer, A.F.H.Q. regarding weekly Construction Progress Report for I.B.S. for week ending 11th September, 1943. (Copy of Progress Report not attached.)

1. Chief of M.G. Section has replied to Chief Engineer, A.F.H.Q. agreeing in principle with the points raised, but stating that copies of the memorandum have been sent to you for comment.

2. Please forward your comments and recommendations in regard to policy to be adopted to this H.Q.

Signed
D.S. JACKLING
Lt. Colonel

AC/1155
PWC

CR/ 10 Oct/1174

785015

TO: Joint Chiefs of Staff Secretariat.

FROM: Chief of Public Works and Utilities Sub-Commission A.C.

SUBJECT: Organization.

REFERENCE: AC/1155/ (FPU)

DATE: 6 October 1943.

During our discussion yesterday afternoon I offered to furnish you with an outline of the various functions to be performed by the heads of the 3 sub-divisions of this sub-commission. However, I wish to emphasize that engineering is a highly specialized field. An electrical engineer does not build the structure housing or supporting his installations, but that is done by a structural engineer who is an expert in that field. The structural engineer serves all other fields of engineering and provides their structures such as bridges, trestles, transmission towers, docks, buildings, etc. The functions covered by the three sub-branches are as follows:

<u>Electric Power.</u>	<u>Structures.</u>	<u>Public Works.</u>
Electric Power.	Bridges.	Water Supply.
Elec. Transmission.	Buildings.	Sewers and disposal.
Elec. Distribution.	Shelters.	Flood protection.
Elec. Traction.	Harbor Works.	Health projects.
Elec Power for ports.	Highways.	Irrigation and drainage.
	Construction salvage.	Gas plants.
		Town planning.
		Disposal of unexploded bombs.

Lt./eer.

Lt. Col. Engineer A.U.S.

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		Disposal of unexploded bombs.

L.A.J/eev.

Lt. Col. Engineer A.U.S.

527

Copy in "Ketch" file

TO: Joint Assistant Chiefs of Staff, Armistice C.C.

FROM: Chief of Public Works and Utilities Division.

SUBJECT: Functioning of Public Works Ministry in Italy.

REFERENCE: AOC/1165 (PWT)

DATE: 30 September 1943.

PUBLIC WORKS AND UTILITIES

On my trip to Sicily I have not only enquired into the problem of the ANMOT insofar as Public Works are concerned, and the extent and type of damage done at ports, cities and the interior, but I have spent considerable time with Italian city and provincial engineers to learn what their problems were and how they were able to carry out instructions given them by ANMOT. I have also been interested to know just how directives came to them from ROME and what classes of work are included in the Public Works administration. It may be stated that, broadly speaking, the Public Works Department is the Engineering and construction agency for the Government. Work to be done for any other Ministry is originated by that Ministry, and financed by that Ministry. The Public Works Ministry is consulted on this work and makes tentative plans and estimates and, based upon these, funds are appropriated by the Ministry making the request. When funds are available the Public Works Ministry is then authorized to proceed with detailed plans and construction. Local utilities such as sewers, water and gas, and streets as well as buildings, do not come under the Ministry of Public Works, but are planned, financed and built by the local communities. However, if these are extensive and State funds are asked for, then the Ministry of Public Works reviews plans, makes necessary modifications, and authorizes construction, and supervises the work.

Flood control.

The Ministry of Public Works handles construction of all main highway arteries between cities, inland waterways, and all public buildings, all war damage reconstruction, some railroad construction, all drainage, irrigation and flood protection, harbour installations, sea walls, dredging, piers, docks, quays, except where these are privately owned, larger waterworks, and some power plants. Many of these originate in other Ministries. For example: Irrigation is the Ministry of Agriculture, some buildings the Ministry of the Interior, some harbour improvements the Ministry of Merchant Marine, etc.

It may thus be seen that this is a very important department which reaches out into many other State Departments and functions.

It will, therefore, be necessary for our Public Works and Utilities Division to carry on the same functions as are handled by the Ministry of Public Works.

In our latest functional outline, street car and bus operation have

tentative plans and estimates and, based upon these, funds are appropriated by the Ministry making the request. When funds are available the Public Works Ministry is then authorized to proceed with detailed plans and construction. Local utilities such as sewers, water and gas, and streets as well as buildings, do not come under the Ministry of Public Works, but are planned, financed and built by the local communities. Moreover, if these are extensive and State funds are asked for, then the Ministry of Public Works reviews plans, makes necessary modifications, and authorizes construction, and supervises the work.

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It will, therefore, be necessary for our Public Works and Utilities Division to carry on the same functions as are handled by the Ministry of Public Works.

In our latest functional outline, street car and bus operation have been added to the Public Works and Utilities Division. However, buildings have been omitted. This is an error, and should be corrected, as buildings very definitely come under Public Works. We will also have to add all port developments, inland waterways, and all war damage reconstruction.

From my observation in Sicily, and various conferences held with officials, I feel that in our transportation work about 2/3 of the problem will be engineering reconstruction and only 1/3 operation. Operational difficulties in Italy will be the lack of equipment. There is the organization to operate the railroads, but it lacks materials for construction.

In view of the fact that the Public Works and Utilities Division will have to provide bridges, docks and piers as well as electric traction power for operating the railroads, as this current is interconnected with the main electric transmission lines, it may be seen that a considerable portion of the transportation facilities will have to be provided by the Public Works and Utilities Division.

* Air raid shelters and Maltese control

785015

It must be quite obvious that any organization planned at this time can only be considered as tentative. I can foresee the possibility of assigning a ranking officer of this Division to a city like Naples to take charge of that immediate region, as the problems to come up there may be of such magnitude, and require high technical skill/beyond the ability of the local AMOT representative to handle.

LAM/rzy.

L. J. JERRY
L. J. JERRY.
Lieut. Colonel.
Engineers, A.U.S.

2H
TO: Joint Assistant Chiefs of Staff

FROM: Chiefs of P.W. & U. Section.

SUBJECT: Functions of P.W. & U. Section.

REFERENCE: ACC/1156 (PWU).

DATE: 18 September 1943.

PUBLIC WORKS AND UTILITIES SECTION
(This appears to be the latest designation)

The following is a brief outline of the functions to be performed by this Section as they appear on this date.

MISSION.

To initiate, develop and direct the collection of information, either directly or through regional officers, on, and to investigate and analyse, the status of public works and utilities in all occupied and controlled regions and, through proper Italian authority, arrange for and follow through, the construction, rehabilitation and early effective operation of these facilities.

STAFF FUNCTION.

These will include the formulation of policies, plans and procedures, the allocation of construction materials, based upon material allocations which must be made by some higher central authority to be created, the direction of construction priorities, the enforcement of policies formulated by itself or by higher authority concerning this section, the maintenance of effective contact with proper Italian authority concerning public works and utilities and to see that this Italian authority is carrying out rules and directives issued by, or in the name of the A.C.C.

OPERATIONS.

5268
Establish the need of rehabilitation of certain essential facilities required to maintain life and commerce and to arrange for and direct the creation and simple rehabilitation of these facilities and their proper operation. This will be accomplished either from headquarters or through P.W. & U. regional officers.

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SCOPE OF WORK.

1. Power

- a. Reservoirs.
- b. All types of power stations.
- c. Elec. transmission and distribution systems, including railroad traction lines and port power.
- d. Elec. equipment in important installations served by this power.
- e. Steam power.
- f. Compressed air.

2. Water

- a. Reservoirs.
- b. Purification plants.
- c. Water mains.
- d. Aqueducts.

52488

3. Sewers

- a. Sewer mains.
- b. Disposal and Disposal plants.

4. Gas

- a. Gas production plants.
- b. Gas mains.

5. Highways

- a. Main City and Country highways.
- b. Bridges and Trestles.

6. Buildings

- a. Public buildings.
- b. Important and necessary private buildings.

7. Fuel

- a. Fuel producing plants.
- b. Fuel storage plants.
(but not operation or supply).

LAL/ech.

Head of Public Works and Utilities Section,
Armistice C.C.
Lieut. Colonel,

7. Fuel.

- a. Fuel producing plants.
- b. Fuel storage plants.
(but not operation or supply).

LAJ/gch.

Head of Public Works and Utilities Section,
Lieut. Colonel,
Armistice C.S.

...necessary private buildings.

785015

Planning
RESTRICTED EQUALS BRITISH CO' FIDENTIAL

AFHQ MESSAGE CENTER

INCOMING MESSAGE

*3A destroyed
Covering note only
a/c*

JAJA

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TOD 161630

ROUTINE

FROM: TROOPERS

TO: FREEDOM

REF NO THIS MSG: 70025 OS 8, 16 September 1943

Cite PHONE. Your BRIT/ORD 98 28 August.

1st. Early information required as to condition and capacity of industrial gas plants in SICILY and occupied ports in ITALY.

2nd. Additional mobile plants will NOT be supplied pending above report.

ACTION: ORD (B)

INFORMATION: Q (AE)
KIL GOVT SEC
Q (MAINT)
AO RECORDS

5267

LC IN 11100

19 SEP 43

0737B

Ref No: 70025 OS 8 htv/R

MILITARY COPY SECTION FILE

SUBJECT

FILE NO. MES

Spare

RESTRICTED EQUALS BRITISH CONFIDENTIAL

COPY NO. 11

THE MAKING OF AN EXACT COPY OF THIS MESSAGE IS FORBIDDEN

785015

Joint Assistant Chiefs of Staff.

FROM : Chief of P.W.U.

SUBJECT: Organization of P.W.U.

REFERENCE: AGO/1015/2.

DATE: 19 September, 1943.

I am submitting herewith a tentative organization chart for the creation of the P.W.U. Section of the A.C.A. It should be understood that this is tentative and that changes and a rearrangement of officers will have to be made, first, depending upon the classes and magnitude of each type of work to be encountered and, second, the scope of experience of the men who will be assigned.

At present we have at this office a Capt. J.J. Fagan, M.C., R.E. (British) who has an engineering training with experience in Water Works and Fuel problems. It is the intention to assign him to sub-section B-1.

There is need for an officer to assist him, experienced in Gas Producing and Distribution Plants. It is requested that a Captain with such experience be assigned to this Section.

It is also requested that the following officers be assigned to this Section:

2 Colonels and 2 Lt. Colonels. These should be very high type men of Consulting Engineer calibre. It is suggested that, if not available, the British Institution of Consulting Engineers and the American Institute of Consulting Engineers, 70 West St., New York, be contacted to furnish such men. Their qualifications should be as follows:

1 Colonel and 1 Lt. Colonel, experienced in the development, construction, operation and maintenance of Reservoirs, Power Stations of all types, Transmission and Distributing Systems. Able to take charge.

1 Colonel and 1 Lt. Colonel, experienced in the development, construction, operation and maintenance of Water Supply, Sewers, Highways, Structures, Buildings, Gas and Fuel Producing plants. Able to take complete charge.

In addition to these the following officers are needed and it is requested that they be assigned to this Section. They should all be engineers.

1 Major, experienced in the development, construction, operation and maintenance of Reservoirs, Power Stations of all types (electricity).

There is need for an officer to assist him, experienced in Gas Producing and Distribution Plants. It is requested that a Captain with such experience be assigned to this Section.

It is also requested that the following officers be assigned to this Section:

2 Colonels and 2 Lt. Colonels. These should be very high type men of Consulting Engineer calibre. It is suggested that, if not available, the British Institution of Consulting Engineers and the American Institute of Consulting Engineers, 70 West St., New York, be contacted to furnish such men. Their qualifications should be as follows:

1 Colonel and 1 Lt. Colonel, experienced in the development, construction, operation and maintenance of Reservoirs, Power Stations of all types, Transmission and Distributing Systems. Able to take charge.

1 Colonel and 1 Lt. Colonel, experienced in the development, construction, operation and maintenance of Water Supply, Sewers, Highways, Structures, Buildings, Gas and Fuel Producing plants. Able to take complete charge.

In addition to these the following officers are needed and it is requested that they be assigned to this Section. They should all be engineers.

1 Major, experienced in the development, construction, operation and maintenance of Reservoirs, Power Stations of all types (electric, steam, etc.) and mechanical equipment required for these.

1 Major, experienced in the development, construction, operation and maintenance of Electric Transmission and Distribution Systems.

1 Captain with similar experience.

1 Major, experienced in the development, construction, operation and maintenance of Sewers, Buildings, Highways and Structures.

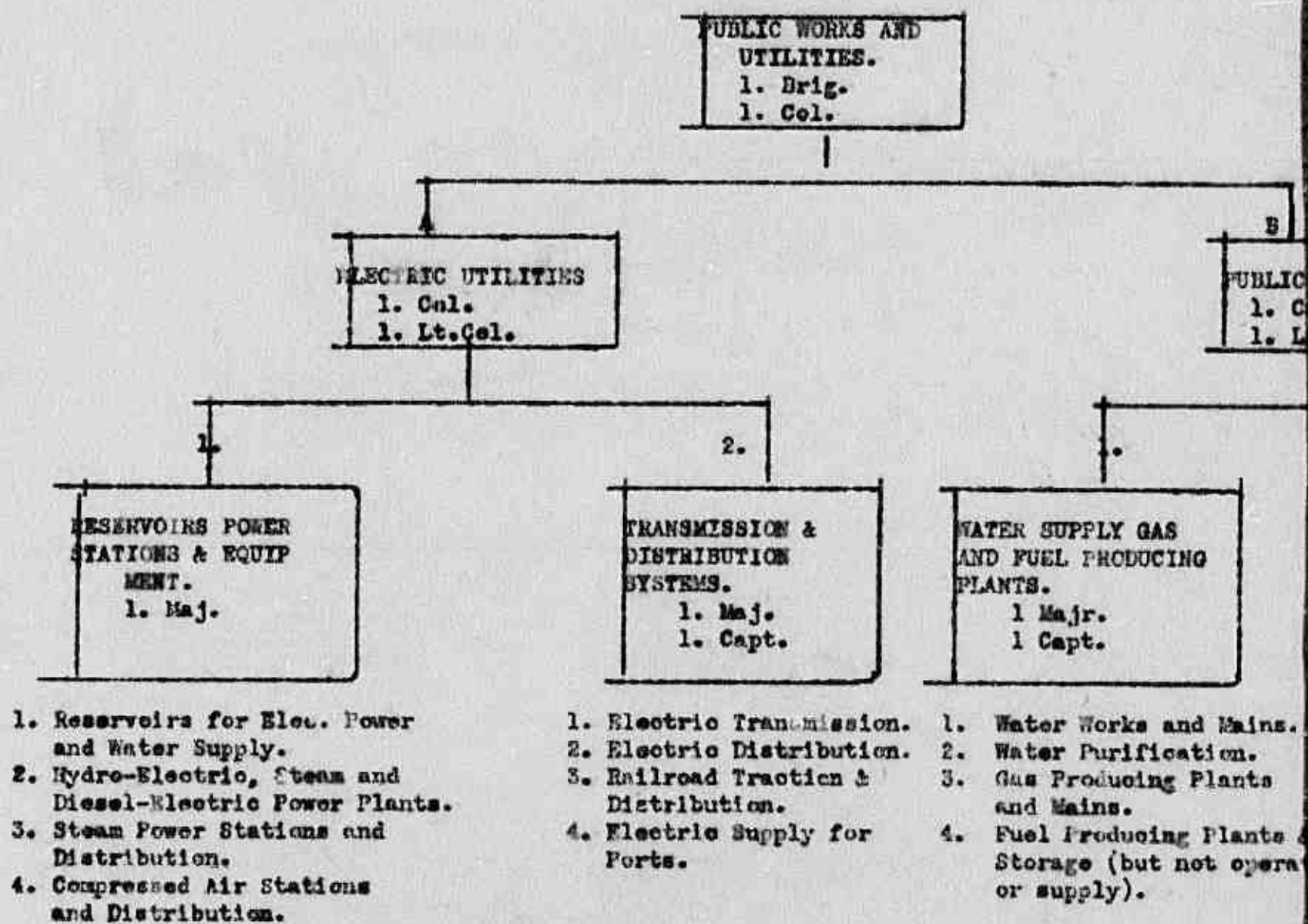
1 Captain with similar experience.

If it is not possible to obtain one officer to fill all branches of experience required here, it may be possible to find one with experience in some of the branches cited and the other officer to supplement this experience.

ad

1st Lieut.-Colonel.
Head of Public Works and Utilities Division.
Armistice C. C.

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PUBLIC WORKS AND
UTILITIES.1. Brig.
1. Col.

B

PUBLIC WORKS.

1. Col.
1. Lt.Col.

2.

TRANSMISSION &
DISTRIBUTION
SYSTEMS.1. Maj.
1. Capt.

1. Electric Transmission.
2. Electric Distribution.
3. Railroad Traction & Distribution.
4. Electric Supply for Ports.

WATER SUPPLY GAS
AND FUEL PRODUCING
PLANTS.1. Majr.
1. Capt.

1. Water Works and Mains.
2. Water Purification.
3. Gas Producing Plants and Mains.
4. Fuel Producing Plants & Storage (but not operation or supply).

2.

SEWERS, HIGHWAYS
BUILDINGS & STRUCTURES.1. Maj.
1. Capt.

1. Sewer Mains and Disposal.
2. Buildings.
3. Highways & City Streets.
4. Bridges & Structures.

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