

*Draft  
JTF 132  
Lantern file*

*Concepts & Ops. order for  
Jvy roll up to dept of castle  
from states.*

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Order No. 5-52 06-20-53

NOTE

This draft of Operation Order No. 5-52 (CASTLE Planning) is based on the report of CJTF 132 to the Joint Chiefs of Staff, dated 4 August 1952. The JCS have not yet approved the recommendations presented by CJTF in this report, and until such time as the JCS report is approved, this Operation Order will remain in draft form. It will serve as a guide to the Task Force Staff and the Task Group Commanders in the interim period.

*Complete plan with  
Air annex will be mailed week  
of 7/11/52 by courier.*

*DeLengue  
DoD Dir. 5200.10  
3/13/67/Pr*

HEADQUARTERS, Joint Task Force 132  
APO 187 (HOW), c/o Postmaster  
San Francisco, California

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Chart Reference: Naval Survey Map, MARSHALL ISLANDS, ENIWETOK ATOLL, No. 5203, published by Hydrographic Office, Washington, D.C.

Task Organization

See Annex B, Appendices I and II.

- |                                     |   |
|-------------------------------------|---|
| a. TG 132.1 (Scientific Task Group) | Mr. Stanley W. Burriss                    |
| b. TG 132.2 (Army Task Group)       | Col George E. Burritt, USA                |
| c. TG 132.3 (Navy Task Group)       | RADM Charles W. Wilkins, USN              |
| d. TG 132.4 (Air Force Task Group)  | <del>Brig Gen F.E. Glantzberg, USAF</del> |

Definitions

(See Annex A)

1. General

a. This Operation Order applies to the period of operations from the completion of operational phase of IVY to arrival of task-groups in the forward area for the execution of CASTLE. Subsequent instructions will cover forward area operations.

b. By authority of the Joint Chiefs of Staff (JCS), Joint Task Force 132 (JTF 132) was activated on 9 July 1951 for the purpose of conducting Operation IVY at ENIWETOK ATOLL during 1952.

c. On 21 May 1952 JCS authorized Chief of Staff, US Army, Executive Agent to broaden the existing directives of JTF 132 to include the execution of the CASTLE tests as follows:

(1) The Chief of Staff, US Army is designated as Executive Agent for the ENIWETOK tests scheduled for the Fall of 1953, Operation CASTLE.

(2) The Chief of Staff, US Army as Executive Agent is authorized to extend the mission of JTF 132 to include the conduct of the CASTLE shots.

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d. On 4 August 1952 the Commander, Joint Task Force 132, submitted a report to the JCS which outlined the organization of the Joint Task Force, participation by the armed forces, and basic operational plans and policies for the conduct of Operation CASTLE. This Operation Order is based on the plan submitted to the Joint Chiefs of Staff.

e. Task Groups of the Joint Task Force were activated as follows:

<u>Task Group</u>	<u>Date Activated</u>	<u>TG Headquarters</u>
Scientific Task Group (TG 132.1)	2 January 1952	Los Alamos, New Mexico
Army Task Group (TG 132.2)	1 August 1951	Eniwetok Atoll, M.I.
Navy Task Group (TG 132.3)	8 February 1952	Washington 25, D.C.
Air Force Task Group (TG 132.4)	2 January 1952	Kirtland Air Force Base, Albuquerque, New Mexico

f. Upon the completion of IVY, CJTF 132 releases operational control of the Scientific, Navy, and Air Force Task Groups to their respective services. By authority of the JCS, CJTF 132 exercises operational control of these task groups for planning and coordination only, with full operational control to be reassumed by CJTF 132 upon arrival of these task groups at the test site.

g. By authority of the JCS, CJTF 132 exercises administrative control of task groups on matters pertaining to Operation CASTLE.

h. Security, Intelligence and Public Information - See Annex C.

2. Mission: The immediate missions of JTF 132 are:

a. To prepare for the conduct of Operation CASTLE scheduled for the Fall of 1953.

b. To prepare for the conduct of experimental and technical measurements proposed by the Atomic Energy Commission (AEC) and the Department of Defense (DOD) as approved by their respective agencies.

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3. Tasks for Subordinate Units

a. Commander, Scientific Task Group (CTG 132.1) will perform the missions outlined below. See Annex D for summary of ultimate tasks, and list of military personnel and services and equipment to be made available to CTG 132.1.

(1) Maintain a staff capable of assisting the Commander, Scientific Task Group in the accomplishment of tasks and missions assigned.

(2) Prepare for the conduct of experimental devices tests.

(a) Procure, assemble and place the devices to be tested.

(b) Arm and detonate the devices to be tested.

(3) Prepare for the conduct of technical and measurement programs as finally approved.

(4) Prepare for the conduct of documentary film operations.

(5) Prepare for and conduct the radiological safety program as set forth in Annex H.

(6) Operate and maintain certain specified utilities and facilities on ENIWETOK ATOLL.

(7) Plan, construct and operate installations and facilities on BIKINI ATOLL (including AEC contractor boat pool) with military assistance as required.

(8) Provide necessary base facilities and logistic support for tenant military personnel at BIKINI ATOLL.

(9) Establish the technical mission for JTF 132 test aircraft.

(10) Through early definitive scientific planning provide CJTF with detailed military requirements.

b. Commander, Army Task Group (CTG 132.2) will perform the missions outlined below. See Annex E summary of ultimate tasks, and military personnel and services and equipment to be made available to CTG 132.2 during the development phase of the task group. CTG 132.2 will prepare for the conduct of Operation CASTLE through:

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- (1) The continuing execution of instructions contained in CJTF 132 Operation Order No. 4-52, date \_\_\_\_\_.
- (2) Maintain all base facilities on ENIWETOK ISLAND except those specifically allocated to CTG 132.1 and CTG 132.4 in accordance with existing agreements between the AEC and the Department of Defense.
- (3) CTG 132.2 will be prepared to provide ground security for ENIWETOK ATOLL.
- (4) With capabilities provided by CTG 132.4 operate an intra-atoll airlift at Eniwetok and an inter-atoll airlift system to support JTF 132 elements on ENIWETOK, BIKINI, and KWAJALEIN.
- (5) With capabilities provided by CTG 132.3 operate a boat pool at ENIWETOK and an inter-atoll surface lift system.
- (6) CTG 132.2 will be prepared to operate the following facilities:
- (a) Port facilities.
  - (b) Base facilities.
  - (c) Signal communications.
- (7) CTG 132.2 will maintain a staff capable of assisting the Commander, Army Task Group in the accomplishment of tasks and missions assigned.
- c. Commander, Navy Task Group (CTG 132.3) will perform the missions outlined below. See Annex F for summary of ultimate tasks, and for naval personnel and services and material to be made available to CTG 132.2.
- (1) Maintain a staff capable of assisting the Commander, Navy Task Group in the accomplishment of tasks and missions assigned.
- (2) Organize, equip, and train a boat pool element for ENIWETOK, and an intra-atoll surface lift system.
- (3) By liaison with appropriate parent commands, assure the proper training and equipping and the timely reporting of elements to the Task Group.
- (4) Prepare to discharge, within the capability of forces available, the off-shore and air security responsibilities for ENIWETOK ATOLL.

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*Annex H*

d. Commander, Air Force Task Group (CTG 132.4) will perform the missions outlined below. See Annex H for summary of ultimate tasks and Air Force personnel, services and material to be made available to Air Force Task Group. CTG 132.4 will take necessary action to obtain personnel for the manning of his group along the lines indicated in this annex.

(1) Maintain a staff capable of assisting the Commander, Air Force Task Group in the accomplishment of tasks and missions assigned.

(2) By liaison with appropriate parent commands, assure the proper training and equipping, and the timely reporting of elements to the task group.

(3) Organize, equip and train an air element capable of providing an intra-atoll airlift at ENIWETOK, and an inter-atoll airlift system to support JTF 132 elements on ENIWETOK, BIKINI, and KWAJALEIN.

x. (1) TG 132.2 build-up instructions covered herein are in addition to the operational directives to ATCOM and CTG 132.2 contained in CJTF 132 Operation Order No. \_\_\_\_\_ dated \_\_\_\_\_, which remains in effect.

(2) By liaison with appropriate parent command, commanders of task groups will assure the early initiation of security clearance for participating personnel and that due emphasis in training of elements of task groups has been placed on radiological safety and other matters peculiar to an operation of this nature.

(3) CTG 132.2 will arrange to have individual weapons for atoll defense available for issue as required.

(4) All military personnel to be stationed on ENIWETOK ATOLL will be qualified in marksmanship training for the weapon with which they are armed prior to departure from the Zone of Interior (ZI).

(5) Task group commanders will maintain detailed records of activities of their task groups. Reports for historical purposes and other reports will be submitted to CJTF 132 in accordance with JTF 132 directives.



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(6) Task group commanders will keep CJTF 132 fully informed as to progress of task group development, requesting assistance where required in effecting agreements with affected commands or Services.

4. Administrative and Logistical Matters

- a. Administration - Refer to JTF 132 Administrative Standing Operating Procedure (SOP) and Annex J.
- b. Logistics - See Annex K.
- c. Financial - See Annex L.
- d. Reports Control - A reports control system will be utilized by this Task Force. Specific reporting instructions are contained in SOP series 172 (Reporting Directives) of this headquarters.

5. Command and Signal Matters

a. Command Relationships - Annex B applies. Also, see letter Hq. JTF 132 subject: "Exercise of Command, JTF 132" published on 8 February 1952.

b. Command Posts (prior to movement to forward area).

- |               |  |
|---------------|--|
| (1) CJTF 132  | WASHINGTON 25, D.C.                                  |
| (2) CTG 132.1 | LOS ALAMOS, NEW MEXICO                               |
| (3) CTG 132.2 | ENIWETOK ATOLL, M.I.                                 |
| (4) CTG 132.3 | WASHINGTON 25, D.C.                                  |
| (5) CTG 132.4 | Kirtland Air Force Base, ALBUQUERQUE,<br>NEW MEXICO. |

c. Signal Communications:

(1) Communication facilities of TG 132.2 will be augmented as required to meet increased traffic conditions and will continue to operate in accordance with Annex \_\_\_\_ to CJTF 132 Operation Order No. \_\_\_\_\_.

(2) Units of JTF 132 at stations other than ENIWETOK and BIKINI will utilize existing communication facilities at their base stations.

(3) See Annex M.

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~~SECRET SECURITY INFORMATION~~

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P. W. CLARKSON  
Major General, USA  
Commander

Annexes:

- A - Definitions
- B - Concept and Narrative of Operations
- C - Organization and Command Relationships
- D - Security, Intelligence and Public Information
- E - Summary of Tasks of Scientific Task Group
- F - Summary of Tasks of Army Task Group
- G - Summary of Tasks of Navy Task Group
- H - Summary of Tasks of Air Force Task Group
- I - Radiological Safety
- J - Administrative
- K - Logistics
- L - Financial
- M - Signal and Communications.

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HEADQUARTERS, Joint Task Force 132  
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San Francisco, California

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ANNEX A to CJTF Operation Order No. 5-52

DEFINITIONS

The following definitions of terms used in this operation order will apply:

- a. "Operational Control for Planning and Coordination", as it pertains to the Commander, Joint Task Force 132 (CJTF 132), comprises those functions involving the composition and internal organization of subordinate units, the designation of objectives, the assignment of tasks and specific training for these tasks when it varies from a standard unit training, and the authoritative direction in planning that is necessary to accomplish the mission. It does not include such matters as routine administration, discipline and unit training.
- b. "Administrative control", as the term is used in this Operation Order, is that control exercised by CJTF 132 for the purpose of coordinating fiscal matters, reports and movements, but does not include personnel administration for task groups other than TG 132.2.
- c. "Forward area", as the term is used in this Operation Order, is defined as that area in which the following islands lie: ENIWETOK ATOLL, KWAJALEIN ATOLL, BIKINI ATOLL, MAJURO ATOLL, KUSAIE ISLAND and PONAPE ISLAND.
- d. "Eniwetok Danger Area", as the term is used in this Operation Order is that area centered on ENIWETOK ATOLL and bounded by the meridians 160° 35' - 160°-55' east longitude, and by the parallels 10°-15' - 12°-45' north latitude, an area of 150 miles by 200 miles.
- e. "Bikini Danger Area", as the term is used in this Operation Order is that area centered on BIKINI ATOLL and bounded by meridians 165°-10' - 165°33' east longitude and by parallels 11°~~39'~~ - 11°42' north latitude; an area of 15x25 miles. Action has been taken by this headquarters to obtain modification of the BIKINI Danger Area.

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ANNEX A TO CJTF OPERATION ORDER NO. 5-52

f. "Closed area", ENIWETOK ATOLL and BIKINI ATOLL for this purpose is defined as including the land areas of the atoll and the water areas of the lagoon within three (3) miles to the seaward side of the periphery of the land areas.

g. "Task Group 132.1". The Scientific Task Group refers to those AEC personnel (including contractors) and military personnel whose activities are directly related to the functions of the Scientific Task Group and the maintenance of the AEC Proving Ground, and who are not originally attached to any of the three military task groups supporting the scientific effort.

P. W. CLARKSON  
Major General, USA  
Commander

OFFICIAL:

F. J. SACKTON  
Colonel, USA  
Assistant Chief of Staff, J-3

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ANNEX B TO CJTF 132 OPERATION ORDER NO. 5-52

CONCEPT AND NARRATIVE OF OPERATIONS

1. The period covered by this narrative extends beyond the period for which this Operation Order is effective. This has been done to acquaint all elements of the Task Force at the earliest practicable date with the nature and scope of Operation CASTLE.
2. There will be three (3) or four (4) experimental devices tested at the AEC Pacific Proving Ground. There may be an air drop during Operation CASTLE. There are three (3) possibilities at present:
  - a. Two (2) thermonuclear devices (NAN and OBOE) will be detonated at BIKINI. Two (2) fission devices (PETER and SUGAR) will be detonated at ENIWETOK.
  - b. One (1) thermonuclear device (NAN) will be detonated at BIKINI. Three (3) devices (OBOE thermonuclear, TARE and SUGAR fission) will be detonated at ENIWETOK.
  - c. Three (3) devices (NAN, PETER and SUGAR) will be detonated at ENIWETOK.
3. All personnel based on ENIWETOK ATOLL will be evacuated prior to each thermonuclear ENIWETOK shot. Reentry after each shot is expected to be accomplished in two or three days. Because of the possible residual radiation it may be necessary to quarter personnel aboard ship for a period of three to ten days. All personnel based on BIKINI ATOLL will be evacuated prior to each BIKINI shot. In the event of two shots at BIKINI, reentry and operation of the second base camp will be required after the first shot. In the event of one shot at BIKINI, or after the second shot of two shots, reentry will be limited to the recovery of scientific instrumentation and data. No permanent type facilities will be constructed at BIKINI.

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4. Approximate strengths and disposition of JTF 132 during the operational period will be as follows:

<u>ELEMENT</u>	<u>APPROX STRENGTH</u>	<u>PRE-SHOT BASED</u>	<u>BASED DURING SHOTS</u>
HQ JTF 132	92 Off* 95 EM	PARRY ISLAND	Command Ship
TG 132.1	300 Civ 66 Off 83 EM	PARRY ISLAND	Transports and Firing Control Ship
AEC Contractor	1400 Civ	ENIWETOK ATOLL BIKINI ATOLL	Transports LST
TG 132.2	76 Off 1184 EM**	ENIWETOK with small dets on PARRY ISLAND	Transports
TG 132.3	286 Off 3358 EM 50 Off 250 EM	Afloat  KWAJALEIN	Afloat  KWAJALEIN
TG 132.4	229 Off 1313 EM  67 Off 543 EM	KWAJALEIN  ENIWETOK	KWAJALEIN ?  Afloat

NOTE: \* Includes 20 VIPs and Official Observers

\*\* Includes Navy Detachment of approximately 13 and Coast Guard (LORAN) detachment of 8.

5. Technical aspects

- There will be a limited capability for military effects tests.
- The instrumentation, basic measurements, determination of field variables and laboratory type testing will be accomplished by CTG 132.1 for both the AEC and DOD, CTG 132.1 will be responsible for the conduct of all scientific programs assigned to JTF 132.

- Construction Required in the Target Area. Construction will be limited to that required for normal maintenance of existing facilities and for the support of the test programs. Construction will be planned by CTG 132.1 and executed by AEC contractor who will procure required materials and supplies. One of the shot island facilities on BIKINI must function as a small base camp because of the distance to ENIWETOK. It is intended to be on a minimum

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scale necessary to support the shot sites developed there. All BIKINI test equipment not required for shot destruction will be returned to ENIWETOK for storage in order that no garrison force or frequent visits will be required between operations. The AEC contractor will continue to be responsible for maintenance of facilities in accordance with existing agreements.

7. Logistic Considerations

a. CJTF 132 will be responsible for support of Task Force weather stations based on PONAPE, KUSAIE, MAJURO and BIKINI.

b. CJTF 132 will be responsible for support of TG 132.4 based on KWAJALEIN, except for housekeeping. TG 132.4 participation in housekeeping details, as provided by COMNAVSTAKWAJ with personnel augmentation from TG 132.4, will be in accordance with agreements made between COMNAVSTAKWAJ and CJTF 132.

c. All vessels loading cargo for discharge in ENIWETOK lagoon and BIKINI lagoon must be self-sustaining because of lack of floating crane or deep water dock. The discharge of cargo is a ship to barge or small craft operation.

8. Narrative of Operations

a. Organization and Planning Phase

(1) It is envisaged that operations of the Task Force during the current organization and planning phase covered by this Operation Order will encompass those activities involved in:

(a) Reorganization and retraining of task group headquarters and staff as required.

(b) Analysis and preparations for accomplishment of Task Group missions.

(c) Evaluation of test measurements and programs.

(d) Development of operating and training plans and procedures.

(e) Screening, procurement and security clearance of personnel and units to constitute task group elements.

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(f) Action on the procurement of materiel and services being made available by the armed forces.

(2) Many of these activities, by virtue of scope and variance in Service procedures, will naturally be conducted concurrently. Prompt organizational action is indicated at all levels of command to insure that Task Force elements are afforded sufficient time to accomplish time consuming security clearances and training for specific tasks.

b. Training and Overseas Phasing

(1) It is contemplated that task group commanders pace the development and training of their task groups with the operational requirements for those elements in the forward area as projected in Annexes E, F, and G. In addition to the training prescribed by task group commanders toward accomplishment of assigned missions, appropriate emphasis should be placed on certain subjects peculiar to this type of operation. Maintenance of good physical condition is essential. Land based military elements will be proficient with the individual weapon with which armed to insure functioning as an effective ground security force in the event of hostile action. The nature of the operation also dictates training emphasis in radiological safety and first aid. Inherent in an amphibious effort is the need for instruction in swimming and survival, and where practicable this will be accomplished. Because of operations being conducted in a locale where materiel deteriorates rapidly, stress will be placed on those subjects relating to care and maintenance of equipment.

(2) (a) The processing of units, personnel and naval elements to the forward area will be the responsibility of the task group commander. CTG 132.1 will issue travel orders to the forward area for all personnel, military and civilian, on duty with the Scientific Task Group, with the exception of certain AEC contractor personnel. Holmes & Narver will request military transportation orders from the appropriate military agency for overseas travel for their employees. CTG 132.1 will provide for their return travel.

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CJTF 132 will monitor requests for forward area movement orders to insure proper phasing of individuals and units into the forward area.

(b) Attention is directed to economy measures to be employed in connection with travel performed on JTF 132 funds. See CJTF 132 letter, subject: "Conservation of Joint Task Force Funds," file AG 120, dated 8 February 1952.

1. Operations during this phase will include:

a. Completion of preliminary plans for evacuation of ENIWETOK and BIKINI during firing, and for the disposition of JTF 132 forces upon completion of the tests.

b. Performance of actual military support missions in preparation for the shots.

c. Intensification of security measures.

d. Measures to insure diversion of air and water traffic as necessary.

e. Refinement of test operational procedures.

f. Test rehearsals.

d. Test Operations

(1) Definitions:

NX Day	Applies to rehearsal for NAN.
N Day	Applies to day on which device will be detonated. (NAN shot)
OX Day	Applies to rehearsal for OBOE.
O Day	Applies to day on which device will be detonated. (OBOE shot)
PX Day	Applies to rehearsal for PETER.
P Day	Applies to day on which device will be detonated. (PETER shot)
SX Day	Applies to rehearsal for SUGAR.
S Day	Applies to day on which device will be detonated. (SUGAR shot)
H Hour	Applies to time of detonation of each shot.
R Hour	Applies to time on which post shot operations are based, which is dependent upon radiological considerations.

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(2) Rehearsals

(a) Status of the training and adequacy of equipment will be tested periodically by means of partial and complete rehearsals as required.

(b) At the appropriate time CJTF 132 will announce NX Day for a final rehearsal of NAN shot. Final servicing of the NAN device will be at the discretion of CTG 132.1. In other respects, simulation will be resorted to where actual participation would interfere with preparations for the test.

(c) Search and Rescue Throughout on-site operations, control of search and rescue operations will be executed by the Commander, TG 132.4. He will further delegate this control to the existing SAR organization except during periods when the task force is assembled for rehearsals and shots.

(d) Announcement of N Day At the completion of the final rehearsal, task group commanders will furnish CJTF 132 a report of readiness for actual test operations. Based on these reports CJTF 132 will announce N Day.

(3) Operation

(a) N-4 Day

Weather briefing establishes favorable outlook for five day period. Task Group commanders report by telephone or dispatch confirming readiness. All maintenance schedules are arranged to provide the highest possible in commission status at the appropriate time. Defense forces intensify surveillance of the ENIWETOK and BIKINI Danger Area. Evacuation begins.

(b) N-3 Day

If weather briefing confirms favorable outlook for N Day, CJTF 132 announces N Day. Aircraft stand down for special inspection and final preparations. Final checks are made of all installations of scientific

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test equipment.

(c) N-2 Day

Weather briefing confirms favorable outlook for N Day.

(d) N-1 Day

Weather briefing confirms favorable outlook for N Day.

Security forces operate at maximum capability. Security sweeps of the shot island are conducted. Evacuation is completed by 1600 except for firing party.

(e) N Day

Arming of weapon, checking of instrumentation and evacuation of shot island. Samples and scientific data are collected as soon as possible consistent with safety of personnel. Fighter aircraft are directed through appropriate sections of cloud by director aircraft, refueling of fighters by tankers taking place as necessary. Weather reconnaissance aircraft accomplish cloud tracking missions. All units are on alert to participate in air rescue operations during period of increased air activity.

(f) OBOE shot - PETER shot - SUGAR shot.

In general, the same concept of operations will be followed for the test of the OBOE, PETER and SUGAR devices which will be scheduled at two week intervals. The order in which the devices will be detonated will be determined later.

P. W. CLARKSON  
Major General, USA  
Commander

OFFICIAL:

F. J. SACKTON  
Colonel, USA  
Assistant Chief of Staff, J-3

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