



**ELECTRIC SCHEDULE NEMFC** Sheet 1  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

**APPLICABILITY:** This schedule is applicable to a Bundled Service, Community Choice Aggregation Service (CCA Service) or Direct Access Service (DA Service) Customer who is served under a Time-of-Use (TOU) rate schedule, and who:

(1) installs an Eligible Fuel Cell Electrical Generating Facility, as defined below, with a generating capacity no greater than 5,000 kW, located on or adjacent to the customer's owned, leased or rented premises, that is interconnected and operates in parallel with PG&E's grid while the grid is operational, and is sized to offset part or all of the Customer's electrical requirements;

(2) is the recipient of local, state, or federal funds, or who self-finances projects designed to encourage the development of Eligible Fuel Cell Electrical Generating Facilities, and

(3) uses technology that achieves reductions in emissions of greenhouse gases (GHG) pursuant to Public Utilities Code Section 2827.10 subdivision (b) as established by the California Air Resources Board (ARB) and as regularly updated consistent with the statute (GHG Standards), except as provided in Special Condition 8 of this tariff and

(4) meets all other requirements in this schedule.

Such a customer will be referred to hereafter as a "Fuel Cell Customer-Generator." Customers eligible for service under this schedule are exempt from any new or additional charges not included in their Otherwise Applicable Schedule (OAS), except as described in Special Condition 2.

This service is not applicable to a CCA Service or DA Service Fuel-Cell Customer-Generator where the customer's Community Choice Aggregator (CCA) or DA Electric Service Provider (ESP) does not offer a fuel cell net energy metering tariff. In addition, if an eligible Fuel Cell Customer-Generator participates in direct transactions with a CCA or ESP that does not provide distribution service for the direct transactions, the CCA or ESP, and not PG&E, is obligated to provide net energy metering to the customer.

A Fuel Cell Electrical Generating Facility greater than one megawatt seeking interconnection with PG&E's transmission system under this Rate Schedule that is not subject to one of the exceptions described in Electric Tariff Rule 21 Section B.1 (*Applicability*) shall interconnect in accordance with the instructions provided there. Such customers shall also apply via PG&E's online application portal (*YourProject*) for the purpose of initiating an application and determining eligibility of their Fuel Cell Electrical Generating Facility under this Schedule. This requirement is not applicable to such Fuel Cell Electrical Generating Facilities with Permission to Operate letters received as of May 6, 2022, or proposed Fuel Cell Electrical Generating Facilities with materially complete interconnection applications submitted as of May 6, 2022.

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(N)  
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(L)  
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(L)

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 2  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

APPLICABILITY: (Cont'd.) The "Eligible Fuel Cell Electrical Generating Facility" is defined as a generating facility that meets all applicable safety and performance standards in accordance with PG&E's Electric Rule 21 and pursuant to PU Code Section 2827.10 (a)(2) that includes:

- 1) an integrated powerplant systems containing a stack, tubular array, or other functionally similar configuration used to electrochemically convert fuel to electric energy;
- 2) an inverter and fuel processing system where necessary, and
- 3) other plant equipment, including heat recovery equipment necessary to support the plant's operation or its energy conversion.

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations. Pursuant to PU Code Section 2827.10, this schedule is available on a first-come, first-serve basis and will be closed to new customers once 281 MW of cumulative rated generating capacity (the Cap) is served under this schedule.

Customers seeking preference for eligibility under this rate shall file an application with the CPUC to establish that their facilities are located in a community with significant exposure to air contaminants, or localized air contaminants, or both, including but not limited to communities of minority populations or low-income populations, or both, based on the ambient air quality standards established pursuant to PU Code Section 2827.10(d) and Division 26 (commencing with Section 39000) of the Health and Safety Code. The CPUC shall determine how such preference shall be implemented. In no event shall such an application, if granted, cause the cumulative rated generating capacity served by PG&E under this schedule to exceed the Cap.

A fuel cell electrical generating facility shall not be eligible for participation in the NEMFC tariff unless it commences operation on or before **December 31, 2023**.

Schedule NEMFC applies also to specified Net Energy Metering-eligible (NEM-eligible) generators in a generating facility comprised of multiple NEM and non-NEM Eligible generators, served through the same Point of Common Coupling (PCC), where the any NEM-eligible generating capacity is not more than allowed in the Applicability Section of its respective NEM tariff. Such facilities will be referred to as Multiple Tariff Facilities, and any group of generators within such a facility that is subject to the same tariff provisions for billing and metering purposes will be referred to as a Constituent Generator Group. In order to be eligible for this rate schedule in a Multiple Tariff Facility, the Customer-Generator must meet all the requirements of Special Condition 7 for the Schedule NEMFC eligible generator, and must also meet any other applicable tariffs.

(Continued)

<i>Advice</i>	6682-E-A	<i>Issued by</i>	<i>Submitted</i>	<u>September 19, 2022</u>
<i>Decision</i>	D.22-07-001	<b>Meredith Allen</b>	<i>Effective</i>	<u>February 28, 2023</u>
		<i>Vice President, Regulatory Affairs</i>	<i>Resolution</i>	



**ELECTRIC SCHEDULE NEMFC** Sheet 3  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

**APPLICABILITY:** (cont'd) Due to the complexity of Multiple Tariff Facilities, NEMFC generating facilities interconnecting under the provisions of Special Condition 7 may require additional review and/or interconnection facilities and other equipment, and may incur interconnection costs, as provided for in PG&E's Electric Rule 21 and Special Condition 2.

**TERRITORY:** The entire territory is served. (T)

**RATES:** Only the Generation Rate Component of the energy charge (kWh) of the Fuel Cell Customer-Generator's OAS ("Generation Rate Component") shall be used in the calculation of credits when the Fuel Cell Customer-Generator is a net energy producer, on a monthly basis, for any TOU period. Only the Generation Rate Component of the Fuel Cell Customer-Generator's OAS shall be used to calculate the charge for generation when the Fuel Cell Customer-Generator is a Net Energy consumer on a monthly basis, for any TOU period. If the Fuel Cell Customer-Generator is being served under CCA Service or under DA Service, the applicable monthly bill charges or credits related to the Generation Rate Component will be specified by their CCA or ESP, as applicable, in accordance with the eligible Fuel Cell Customer-Generator's OAS and PG&E's Community Choice Aggregation and Direct Access tariffs. All other charges, including but not limited to, Transmission Charges, Distribution Charges, Monthly Customer Charges, Minimum Charges, Demand Charges, and non-energy related charges, shall be calculated according to the Fuel Cell Customer-Generator's OAS for all energy supplied by PG&E prior to the netting of energy charges and credits.

The charges and credits for Multiple Tariff Facilities taking service on this rate schedule under the provisions of Special Condition 7 will be calculated using the OAS identified by the Customer-Generator in its application for interconnection and its interconnection agreement with PG&E or as subsequently changed by the Customer-Generator in accordance with PG&E's Electric Rule 12.

Customers-Generators with Multiple Tariff Facilities with existing NEM, NEMBIO and/or NEMFC eligible generators, interconnecting additional generators will receive a bill true-up, prior to taking service under Special Condition 7. This ensures that all NEM accounts have the same Relevant Period, as defined in Special Condition 3, going forward.

**SUB-SCHEDULE:** Eligible Customer-Generators will be placed on Rate Schedule NEMFC, unless they are applying for service under the provisions of one of the following sub-schedule:

NEMFCA – For Customer-Generators taking service under the provisions of Special Condition 4—LOAD AGGREGATION.

NEMMT – For Customer-Generators taking service as a Multiple Tariff Facility under Special Condition 7 of this tariff.

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 4  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:

1. METERING:
  - a. Fuel Cell Net Energy Metering shall be accomplished using a TOU meter capable of separately registering the flow of electricity in two directions. If the Fuel Cell Customer-Generator's existing meter is not capable of separately measuring the flow of electricity in two directions, the Fuel Cell Customer-Generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to separately measure electricity flow in two directions. If dual metering is installed, the Net Energy metering calculation shall yield a result identical to that of a single meter capable of separately measuring the flow of electricity in two directions.
  - b. If none of the normal metering options at PG&E's disposal that are necessary to render accurate billing are acceptable to the Fuel Cell Customer-Generator, PG&E shall have the right to refuse service under this rate schedule.
  - c. Multiple Tariff Facilities will be metered under one of the options described in Special Condition 7.
  - d. Customer-Generators with service accounts that qualify for Special Condition 4 *Load Aggregation* are required to meet the provisions of Special Conditions 1.a and 1.b for the account serving the Eligible Fuel Cell Electrical Generating Facility only; all other service accounts are only required to have the metering specified in the TOU rate schedule on which it is billed.
2. FEES: Notwithstanding Rule 21, pursuant to P.U. Code 2827.10 NEMFC will be charged interconnection inspection fees at follows:
  - a. If the Eligible Fuel Cell Generating Facility incorporates only CEC certified inverters, and there are no aggregated accounts, as described in Special Condition 4.... \$180.00
  - b. If the Eligible Fuel Cell Generating Facility incorporates only CEC certified inverters, and there are one or more aggregated accounts as described in Special Condition 4....\$480.00;
  - c. If the Eligible Fuel Cell Generating Facility incorporates non-CEC certified inverters, and there may or may not be aggregated accounts as described in Special Condition 4, the fee will be based on an hourly manpower rate times the labor and travel time to perform field certification testing of non-certified equipment as specified in Rule 21 Section L.5.

The inspection fee will be calculated using the same hourly rate to perform *Additional Commission Test Verifications* in Rule 21. (D)
3. BILLING: Fuel Cell Customer-Generator will be billed monthly for all charges other than Generation Rate Component. With each monthly billing statement, PG&E shall provide the Fuel Cell Customer-Generator with information regarding energy (kWh) consumption and energy (kWh) exports.

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 5  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:  
(Cont'd.)

3. BILLING: (Cont'd.)

At the end of each Relevant Period, PG&E, CCA or ESP as applicable, shall perform Reconciliation. A Relevant Period consists of any twelve monthly billing cycles commencing on the date PG&E provides the Customer-Generator with PG&E's written approval to begin parallel operation of the generating facility for purposes of participating in NEMFC, and on every subsequent anniversary thereof. If an eligible Customer-Generator terminates service, or experiences a change in electric commodity service provider, prior to the end of any 12 monthly billing cycles the Relevant Period will consist of that period from the anniversary date until the effective date of that termination.

(T)

For a CCA Service or DA Service Fuel Cell Customer-Generator, Generation Rate Component credits, if any, do not reduce the charges owed to PG&E for energy supplied to the eligible Customer-Generator.

a. The Reconciliation shall be performed as follows:

NEMFC Customer-Generators will receive a bill that totals 1) all Generation Rate Component charges for the Relevant Period; 2) all Eligible Generation Credits for the Relevant Period; and 3) all other charges, due in that billing cycle of the Relevant Period.

The "Eligible Generation Credit" equals the lesser of 1) all monthly Generation Rate Component charges for the Relevant Period; or 2) the absolute value of all monthly Eligible Generation Credit for the Relevant Period. Any excess credit that exceeds the Eligible Generation Credit will be retained by PG&E, CCA or ESP, as applicable, and the customer will not be owed any compensation for this excess.

For operations with no Load Aggregation as defined in Special Condition 4, only the account serving the Eligible Fuel Cell Generating Facility is used to determine Generation Rate Component charges.

For operations with Load Aggregation as defined in Special Condition 4, the Generation Rate Component charges for the usage from all the Eligible Service Accounts is used to determine the Eligible Generation Credit.

b. In the case of Load Aggregation for operations, defined in Special Condition 4, each Eligible Service Account will be billed for Generation Rate Component charges, based on the rate schedule for the particular service account, at the end of the Relevant Period, or sooner if the account closes, experiences a change in electric commodity service provider, or is no longer eligible for Load Aggregation.

c. ESP Charges: If PG&E provides DA metering for the ESP, UDC consolidated billing (that is, PG&E Consolidated Billing as described on PG&E's Rule 22), or ESP dual or consolidated billing support services for DA Customer-Generators or their ESP's rates, PG&E may recover the incremental costs related to net energy metering from the Customer-Generator's ESP in accordance with Rate Schedule E-EUS.

d. CCA Charges: If the Customer-Generator's accounts are on CCA Service, PG&E may recover the incremental costs related to net energy metering from the Customer-Generator's CCA in accordance with Rate Schedule E-CCA.

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 6  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:  
(Cont'd.)

- 4. **LOAD AGGREGATION:** PG&E shall aggregate the load of the Fuel Cell Customer-Generator's accounts where the Fuel Cell Customer Generator is the customer of record and the following requirements are met: (i) the accounts are on an applicable time-of-use rate schedule, and (ii) the accounts are located on the property where the Eligible Fuel Cell Electrical Generation Facility is located or on property adjacent or contiguous to that property as long as those properties are solely owned, leased, or rented by the Eligible Fuel Cell Customer-Generator; and (iii) all the accounts are served by the same electric commodity service provider. (i.e. the Eligible Fuel Cell Customer-Generator account and all aggregated accounts must all be on bundled service or all on CCA service, or all on DA service.)
- 5. **INTERCONNECTION:** Prior to receiving approval for Parallel Operation, the Customer-Generator must submit a completed PG&E application form and interconnection agreement as follows:

<b>Sub-schedule</b>	<b>Application</b>	<b>Interconnection Agreement</b>	
NEMFC / NEMFCA	<i>Online Rule 21 Generator Interconnection Application, (Form 79-1174)</i>	<i>Interconnection Agreement for Net Energy Metering of Eligible Fuel Cell Facilities (Form 79-1010)</i>	
		For Customer-Generators applying prior to the establishment of the fuel cell Standards, the Customer must also complete and sign Appendix D to Form 79-1010.	(N)         (N)
NEMMT (Multiple Tariff Facilities – See Special Condition 7)	<i>(same as for NEMFC)</i>	<i>Generating Facility Interconnection Agreement (Multiple Tariff) (Form 79-1069-02)</i>	(N)
		For Customer-Generators applying prior to the establishment of the fuel cell Standards, the Customer must also complete and sign Appendix J to Form 79-1069-02.	(N)         (N)

- 6. **STANDBY CHARGES:** Consistent with electric Rate Schedule S – Standby Service, to the extent that charges for transmission and distribution services are recovered through demand charges in any billing period, no standby charges shall apply in that monthly billing cycle, except Multiple Tariff Facilities interconnected under the terms of Special Condition 7, may be subject to the requirements of Schedule S.

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 7  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:  
(Cont'd.)

7. MULTIPLE TARIFF FACILITIES: (T)

Multiple Tariff Facilities have the following additional provisions:

a. When Net Generation Output Metering (NGOM) is required, such NGOM must conform to the requirements set forth in Electric Rule 21, Section J.3. (T)

b. A NEM-eligible Constituent Generator Group is defined as a constituent generator group that is eligible for service under the provisions of either schedule NEM, NEMBIO or NEMFC or their sub-schedules.

c. A non-NEM-eligible Constituent Generator Group is defined as a constituent generator group that does not take service under the provisions of schedules NEM, NEMBIO or NEMFC, but interconnects under the provisions of Electric Rule 21.

d. All metering for Multiple Tariff Facilities called for in this special condition must meet the requirements needed to bill under the Customer-Generator's OAS. All metering equipment and Non Export relays necessary to implement the provisions in this section will be provided at the Customer-Generator's expense. (T)

e. Any generators eligible for tariff NEMFCA or NEMBIOA (accounts with the loads from eligible accounts aggregated on the main NEMFC or NEMBIO account pursuant to Special Condition 4 of the NEMFC or NEMBIO tariff) will be treated as a separate Constituent Generator Group. (N)  
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(N)

f. Where multiple NEM-eligible Constituent Generator Groups are present, and energy (kWh) is exported to the grid at the PCC, the billing credit will be based upon the proportional contribution of the energy production (kWh) of each NEM-eligible Constituent Generator Group over the billing period as follows:

- 1) Sum all NEM-eligible Constituent Generator Groups' NGOM readings.
- 2) Determine the proportion of energy (kWh) attributable to each NEM-eligible Constituent Generator Group by dividing the NGOM reading of each by the sum from (1) above.
- 3) NEM-eligible Export is the lesser of either all exported energy as measured at the PCC or the sum of the energy per (1) above.
- 4) Take the NEM-eligible Export and assign it to each NEM-eligible Constituent Generator Group based on its respective proportion of NGOM reading.

(Continued)



**ELECTRIC SCHEDULE NEMFC** Sheet 8  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

- SPECIAL CONDITIONS: (Cont'd.)
- 7. MULTIPLE TARIFF FACILITIES: (Cont'd) (T)
    - 5) Determine the bill credit for the Customer-Generator as provided under the Customer-Generator's OAS in combination with the net energy metered tariff billing treatment type for each NEM-eligible Constituent Generator Group. (T)
    - 6) If interval metering is chosen per, Special Condition 7(g)(2)(c) below, this allocation of bill credit will be done on the aggregated intervals over a billing period. If the OAS is a time-of-use (TOU) rate schedule, the allocation will be performed for each aggregated TOU period separately. (T)
  - g. Multiple Tariff Facility Configurations and Metering.
    - 1) For two or more types of NEM-eligible Constituent Generator Groups, the Customer-Generator must select one of the following options: (T)
      - a) Install NGOM on each Constituent Generator Group. In addition, metering is required at the PCC capable of separately registering the flow of energy (kWh) in two directions. Billing credit will be calculated as provided for in Special Condition 7(f). Billing credit will be applied consistent with the appropriate net metering tariff as follows: (T)
        - i. First, apply NEMBIO and/or NEMFC credits (if any) to Generation Rate Component charges on any of their respective aggregated accounts, and then to Generation Rate Charges on accounts served by the generating facility (Host Account). (N)
        - ii. Second, apply any NEMFC credits if there are no aggregated accounts, to Generation Rate Component charges on the accounts served by the generating facility. (T)
        - iii. Third, apply NEM credits (if any) as appropriate to the remainder of the energy charges on the account served by the Generating Facility. (T)
      - b) If the Customer-Generator has no Constituent Generator Group(s) eligible for NEMFCA or for Schedule NEMBIOA, but has a Constituent Generator Group eligible for Schedule NEM consisting of one or more Renewable Electrical Generation Facilities, the customer-generator may elect to take service for such under either Schedule NEMBIO or NEMFC, as appropriate to one of the other Constituent Generator Group(s). (D)

(Continued)

Advice 4151-E-A  
Decision

Issued by  
**Brian K. Cherry**  
Vice President  
Regulatory Relations

Date Filed February 1, 2013  
Effective January 1, 2013  
Resolution





**ELECTRIC SCHEDULE NEMFC** Sheet 9  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:  
(Cont'd.)

- 7. MULTIPLE TARIFF FACILITIES: (Cont'd)
  - g. Multiple Tariff Facility Configurations and Metering (Cont'd)
    - 2) For both, NEM-eligible and non-NEM-eligible Constituent Generator Groups, the Customer-Generator must select one of the following options:
      - a) **The Non Export Relay Option:** A Customer-Generator must install a non-export relay on their non-NEM Constituent Generator Groups and install metering as follows: 1) If there is only one type of Constituent Generator Group then metering at the PCC is all that is required and the terms of the appropriate NEM tariff for that group will apply; 2) If there are two or more types of NEM-eligible Constituent Generator Groups, then Metering at the PCC and NGOM metering of each NEM-eligible Constituent Generator Group is required. The requirements of Special Condition Sections 7(f) and 7(g) apply.
      - b) **The Load Metering Option:** The Customer-Generator must install NGOM on each NEM-eligible Constituent Generator Group, install energy consumption metering at the load, and install metering at the PCC as follows: 1) If there is one type of NEM-eligible Constituent Generator Group then the terms of the appropriate NEM tariff for that group will apply; 2) If there are two or more types of NEM-eligible Constituent Generator Groups, then the terms of Special Condition Sections 7(f) and 7(g) apply.
      - c) **The Interval Meter Option:** The Customer-Generator must install interval NGOM on each NEM-eligible Constituent Generator Group and install interval metering at the PCC as follows: 1) If there is one type of Constituent Generator Group then the terms of the appropriate NEM tariff for that group will apply; 2) If there are two or more types of NEM-eligible Constituent Generator Groups, then the terms of Special Condition Sections 7(f) and 7(g) for interval metering apply. Energies (kWh) generated in an interval are aggregated over a billing period according to the OAS.
    - h. Multiple Tariff Facilities, served under CCA Service, may only participate to the extent their CCA offers net energy metering for the specific Constituent Generator Group(s).
    - i. For Multiple Tariff Facilities involving NEM2 NEM-eligible Constituent Generator Groups, see the special condition for MULTIPLE TARIFF FACILITIES in schedule NEM2. (N)  
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(N)



**ELECTRIC SCHEDULE NEMFC** Sheet 10  
**NET ENERGY METERING SERVICE FOR FUEL CELL CUSTOMER-GENERATORS**

SPECIAL  
CONDITIONS:  
(Cont'd.)

8. EMISSIONS STANDARD APPLICATION:

Pursuant to PUC Section 2827.10, ARB will provide for a schedule of annual GHG Standard updates. All NEMFC Eligible Fuel Cell Electrical Generating Facilities shall comply on an ongoing basis with the GHG Standards in the Applicability Section (3) once established by ARB, and approved by the CPUC as needed. Until that time, the following standards shall apply: (N)  
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(N)

- a) NEMFC Eligible Fuel Cell Electrical Generating Facilities Interconnected Before January 1, 2017

A customer that has received permission to operate its generating facility from PG&E under the NEMFC schedule prior to January 1, 2017, can continue to take service under NEMFC, notwithstanding the GHG Standards in the Applicability Section (3) above, until ARB's schedule of annual GHG emissions standard updates is established, and approved by the CPUC as needed. All other provisions of the tariff applicable to an Eligible Fuel Cell Electrical Generating Facility will continue to apply to such a generating facility (T)  
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(T)/(D)

- b) NEMFC Eligible Fuel Cell Electrical Generating Facilities Interconnecting January 1, 2017 or later, but before Updated GHG Standards are Established and Approved by the CPUC as Needed. (T)

Until the GHG Standards in the Applicability Section (3) above are established for the NEMFC program, and approved by the CPUC as needed, eligible applicants may take service on NEMFC but must sign Appendix D of Form 79-1010, or Appendix J of Form 79-1069-02 agreeing to terminate service on this tariff and pay all applicable costs and charges in the event their fuel cell does not meet the subsequently approved GHG Standards. (T)  
(T)

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(D)