



Resiliency Compliance Plan

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Presentation Outline

I

Background / Challenges

II

Current Practices

III

Resiliency Compliance Plan

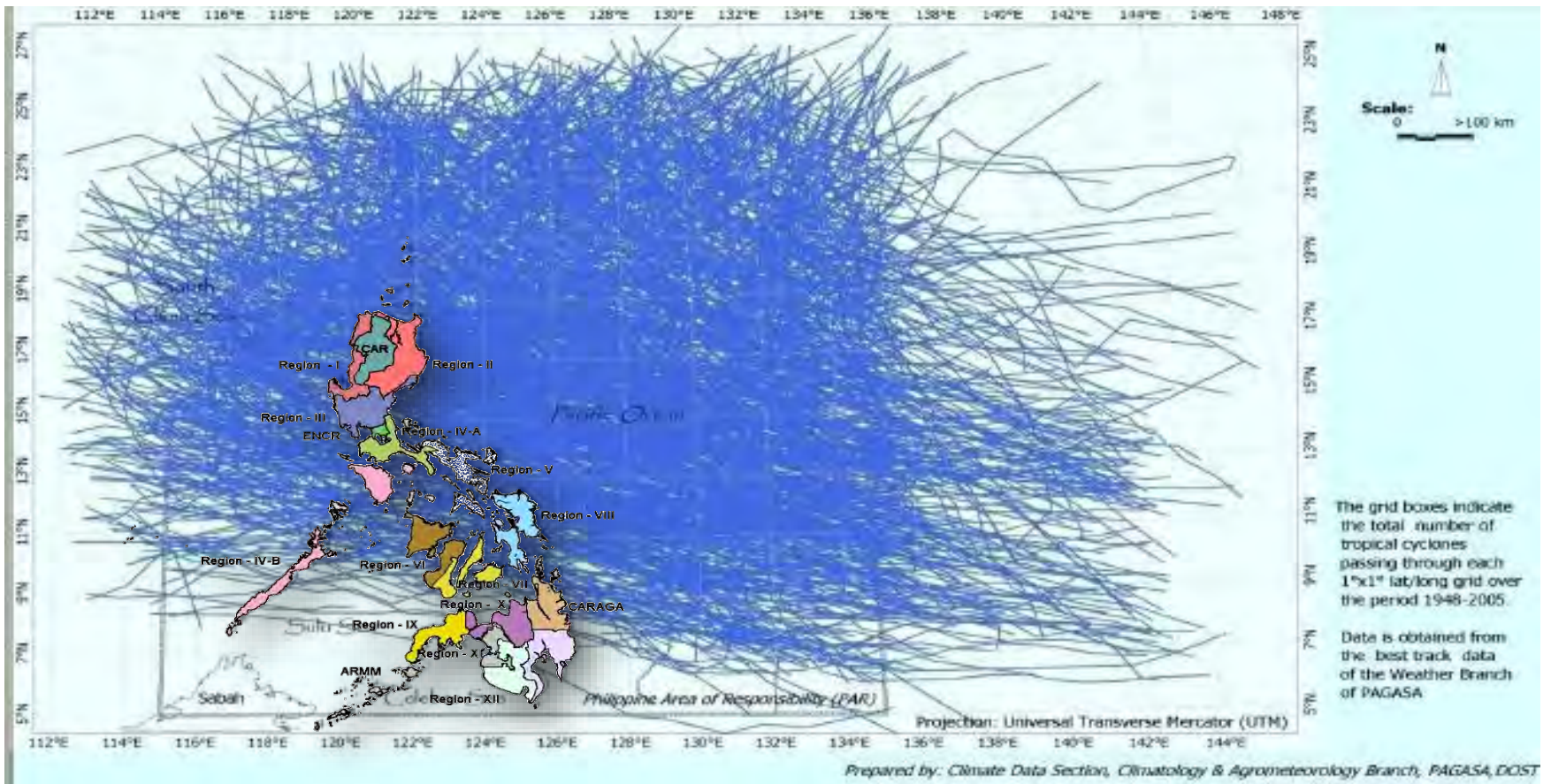


Natural Hazard Setting in the Philippines

- Bounded by bodies of water
- Part of **Ring of Fire**
- Part of **Earthquake Zone**
- Average **20 tropical cyclones** per year enter Philippine Area of Responsibility; 9 across the country per year



Actual Tropical Cyclone Tracks (1948-2010)



With the increase in temperature this could mean much stronger and more intense tropical cyclones



Super Typhoon “Yolanda” (2013)

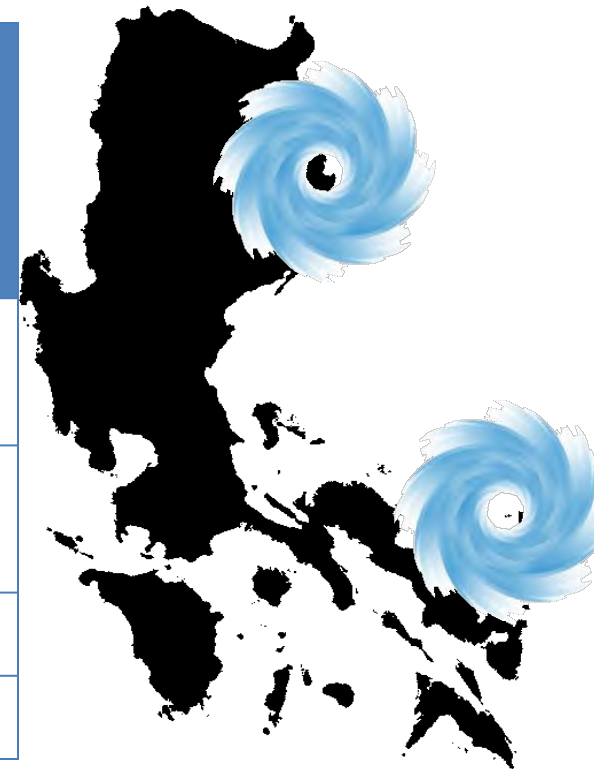


Marawi Siege (2017)



Effects of Disaster on Power Sector

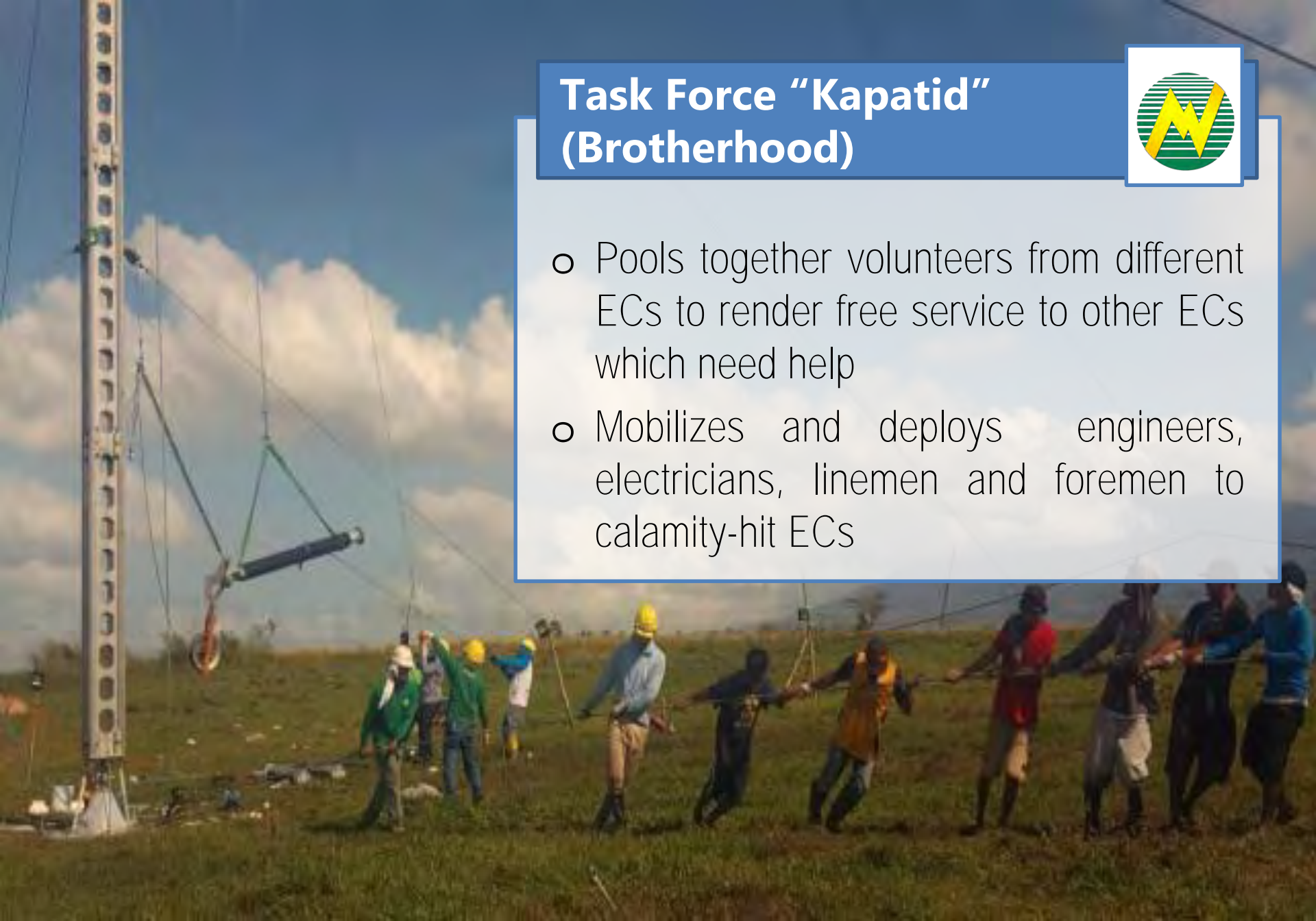
	Super Typhoon “LAWIN” (i.n. Haima) October	Typhoon “Nina” (i.n. Nock-Ten) December
Affected Electric Cooperatives	14	16
Number of Municipalities/Cities	241	178
No. of Barangays	5,359	5,428
No. of Affected Households	1,252, 076	1,683,012



Task Force “Kapatid” (Brotherhood)



- Pools together volunteers from different ECs to render free service to other ECs which need help
- Mobilizes and deploys engineers, electricians, linemen and foremen to calamity-hit ECs





TOWARDS INSTITUTIONALIZATION OF ENERGY RESILIENCY

Department Circular (DC2018-01-0001)

Adoption of Energy Resiliency in the Planning And Programming of the Energy Sector to Mitigate Potential Impacts of Disasters

Published at:

The Manila Times and The Philippine Star

Date Published:

01/27/2018



Republic of the Philippines
DEPARTMENT OF ENERGY
(Kagawaran ng Enerhiya)

DEPARTMENT CIRCULAR NO. DC2018-01-0001

ADOPTION OF ENERGY RESILIENCY IN THE PLANNING AND PROGRAMMING OF THE ENERGY SECTOR TO MITIGATE POTENTIAL IMPACTS OF DISASTERS

WHEREAS, Republic Act (R.A.) No. 7638 or the Department of Energy Act of 1992 declares the policy of the State to ensure a continuous, adequate, and economic supply of energy with the end in view of ultimately achieving self-reliance in the country's energy requirements.

WHEREAS, Section 37 of the R.A. No. 9136 or the "Electric Power Industry Reform Act of 2001" (EPIRA), mandates the Department of Energy (DOE), in addition to its powers and functions under R.A. No. 7638, to supervise the restructuring of the electricity sector, and undertake the formulation of policies for planning and implementation of a comprehensive program for the efficient supply and economical use of energy. This is consistent with the approved national economic plan and with the policies on environmental protection and conservation and maintenance of ecological balance, and provides a mechanism for the integration, rationalization, and coordination of the various energy programs of the Government.

WHEREAS, R.A. No. 8479 or the Downstream Oil Industry Deregulation Act of 1998 declares the policy of the State to liberalize and deregulate the downstream oil industry in order to ensure a truly competitive market under a regime of fair prices, adequate and continuous supply of environmentally-clean and high-quality petroleum products.

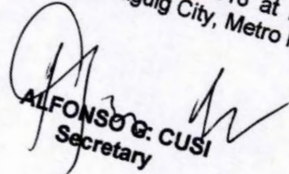
WHEREAS, the R.A. No. 10121 or the Philippine Disaster Risk Reduction and Management Act of 2010, declares among others, as the policy of the State, to institutionalize the policies, structures, coordination, mechanisms and programs with continuing budget appropriation on disaster risk reduction from national down to local levels towards building a disaster-resilient nation and communities.

WHEREAS, the country is vitally dependent on the supply of energy and any sustained failure in the energy system would have drastic consequences and impact on the country's economy and to people's daily life.

WHEREAS, the Philippines is one of the most vulnerable countries to natural and human-induced hazards.

WHEREAS, among the primordial effects of disasters is the disruption in the delivery of energy to end-users due to damaged facilities, causing serious hazard to public health and safety, huge economic and financial losses, and interruption of vital public

day of _____ 2018 at DC
Nifacio Global City, Taguig City, Metro Ma


ALFONSO C. CUSI
Secretary



JAN 17 2018



Resiliency Compliance Plan

Contains adaptation measures which includes engineering and non-engineering options, to gauge infrastructure and human resource preparedness during and in the aftermath of disruptive events.

The RCP shall be divided into:



**Strengthening
Infrastructure**



Stockpiling



Systems



**Response and
recovery**



Stronger Projects & Programs	Name	Description	Benefit	Start Date	Completion Date	Total Cost	Yearly Disbursement
Facility							
System							
Stockpiling							
Response and Recovery							

RESILIENCY COMPLIANCE PLAN TEMPLATE

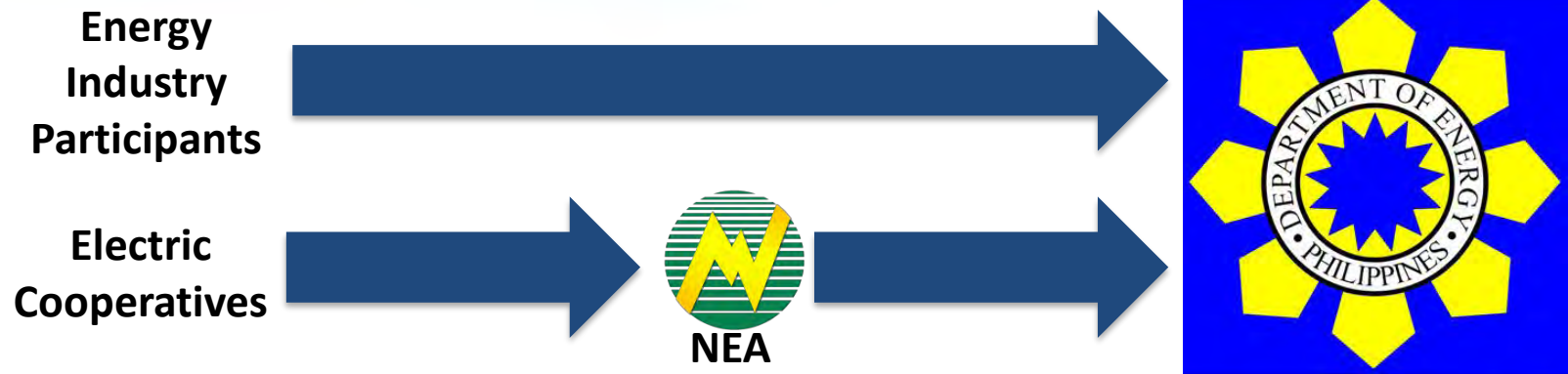


RESILIENCY COMPLIANCE PLAN

6

months - submission

DEADLINE: 30 JULY 2018



updated every **3** years

Compliance, Monitoring, Enforcement & Post-evaluation



CATEGORIES IN THE RESILIENCY COMPLIANCE PLAN



Strengthening
Infrastructure

Structural measures are any physical construction to reduce or avoid possible impacts of hazards, or the application of engineering techniques or technology to achieve hazard resistance and resilience in structures or systems.



CATEGORIES IN THE RESILIENCY COMPLIANCE PLAN



Strengthening
Infrastructure



Systems



Refer to administrative directives, organizations, operational skills and capacities, policies, guidelines, plans to implement strategies and improved coping capacities to lessen the adverse impacts of hazards

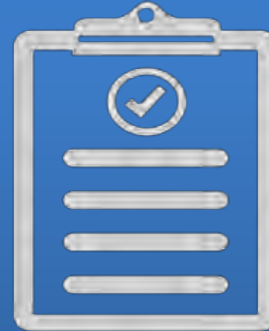


CATEGORIES IN THE RESILIENCY COMPLIANCE PLAN



Strengthening

Refers to the disaster mitigation process of identification and procuring essential inventory items beforehand



Stockpiling



Response and
recovery



CATEGORIES IN THE RESILIENCY COMPLIANCE PLAN

“Response” – refers to the provision of emergency services and public assistance during or immediately after a disaster

“Recovery” – refers to the restoration and improvement where appropriate, of facilities, livelihood and living conditions of disaster-affected communities, including efforts to reduce disaster risk factors, in accordance with the principles of "Build Back Better"



Response and
recovery



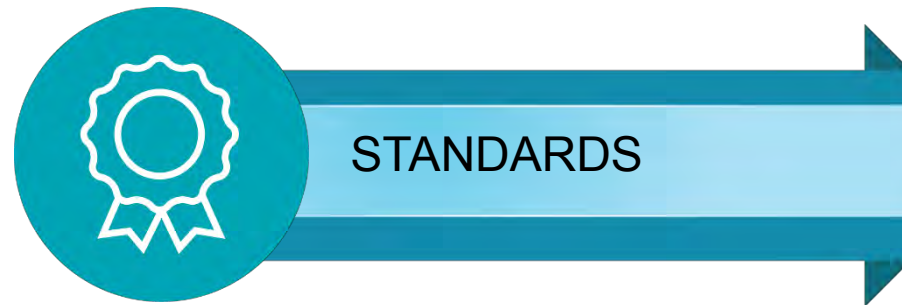
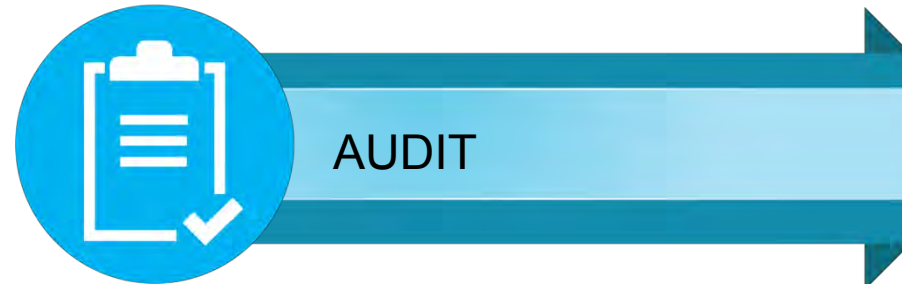
STRENGTHENING INFRASTRUCTURE

(SAMPLE ACTIVITIES)



SYSTEMS

(SAMPLE ACTIVITIES)



STOCKPILING

(SAMPLE ACTIVITIES)





Response and recovery

(Sample Activities)

CONTINGENCY PLANNING
BUSINESS CONTINUITY PLANNING
RESPONSE PROTOCOLS
EMERGENCY PLANS
REHABILITATION PLAN





Thank You!



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