



“SAFETY RANKING OF DISCOS & TCN IN THE POWER SECTOR”

MARCH 2018 RANKING

at the

Honourable Minister of Power, Works & Housing’s

Monthly Sectoral Meeting with Operators of The Power Sector

on Monday, 9th April, 2018

Venue: TCN Transmission Substation, Umuahia, Abia State

Host: TCN

by

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Many of the accidents that occur in the power industry can be attributed to these major factors:

(i) System Protection Equipment Failures;

(ii) In some cases, total absence of protection devices.

(iii) Poor Terminations, poor maintenance of Ageing Networks, Right-of-way issues.

(iv) Poor Response to Monitored Networks & use of substandard materials.

(v) Non adherence to safety rules, and regulations .

(vi) Inadequate knowledge and Ignorance on the part of operators/consumers/public.

(vii) Vandalism

Operators of the Power Sector to address these factors urgently.



NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



RANKING CRITERIA

DESCRIPTION	EVENT	SCORES
I. TOTAL ACCIDENTS	NOT SCORED	NOT SCORED
II. NO. OF FATALITIES	0	40
III. NO. OF MAJOR INJURIES	0	25
IV. NO. OF BAD NETWORKS RESOLVED	>9	25
V. REPORTING COMPLIANCE	4	10
		100

Fatalities (Deaths)	
No. of Fatalities	Scores
0	40
1 - 2	32
3 - 4	24
5 - 6	16
7 - 8	8
9 & Above	0

Major Injuries	
No. of Persons with Major Injuries	Scores
0	25
1 - 2	20
3 - 4	15
5 - 6	10
7 - 8	5
9 & Above	0

NETWORK RESOLVED	
No. Resolved	Scores
9 & Above	25
7 - 8	20
5 - 6	15
3 - 4	10
1 - 2	5
0	0

Response	Scores
4	10
3	8
2	6
1	4
0	0

2015 BASELINE STUDY:
 Average Deaths/ month = 9.5 (10)

2015 BASELINE STUDY:
 Not Available

2015 BASELINE STUDY:
 Average/ month = 7.5 (8)

Criterion for Network Monitored/Resolved to be revised upwards



NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



RAW DATA

MONTH: MARCH 2018

WEIGHTED SCORE

S/No.	DISCO	TOTAL ACCIDENTS WITH DEATHS	TOTAL NO. OF DEATHS [STAFF & 3RD PARTY]	NO. OF MAJOR INJURIES	NO. OF BAD NETWORKS RESOLVED BY DISCO / TCN	REPORTING COMPLIANCE
1	ABUJA	0	0	1	10	4
2	BENIN	2	2	0	15	4
3	EKO	1	1	0	10	4
4	ENUGU	0	0	0	27	4
5	IBADAN	0	0	0	13	4
6	IKEJA	0	0	0	155	4
7	JOS	2	2	0	59	4
8	KADUNA	3	3	5	10	4
9	KANO	1	1	1	12	4
10	PORT HARCOURT	0	0	0	14	4
11	YOLA	0	0	0	12	4
12	TCN	0	0	0	0	4
TOTAL		9	9	7	337	

DEATHS [STAFF & 3RD PARTY]	MAJOR INJURIES	BAD NETWORKS RESOLVED	REPORTING COMPLIANCE	TOTAL	RANKING
40	20	25	10	95	2
32	25	25	10	92	3
32	25	25	10	92	3
40	25	25	10	100	1
40	25	25	10	100	1
40	25	25	10	100	1
32	25	25	10	92	3
24	10	25	10	69	6
32	20	25	10	87	4
40	25	25	10	100	1
40	25	25	10	100	1
40	25	0	10	75	5

Note: Discos should rectify defective networks reported to them by NEMSA as a priority. Notification by Discos to NEMSA for verification should be weekly, rather than waiting till end of the month.



NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



DISCOS & TCN RANKING TREND IN 2018

S/N o.	DISCO	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YTD
1	ABUJA	1	4	2										2
2	BENIN	5	3	3										5
3	EKO	1	1	3										1
4	ENUGU	1	3	1										1
5	IBADAN	8	2	1										5
6	IKEJA	2	4	1										2
7	JOS	6	1	3										4
8	KADUNA	1	1	6										3
9	KANO	3	1	4										3
10	PORT HARCOURT	4	2	1										2
11	YOLA	1	3	1										1
12	TCN	7	5	5										6



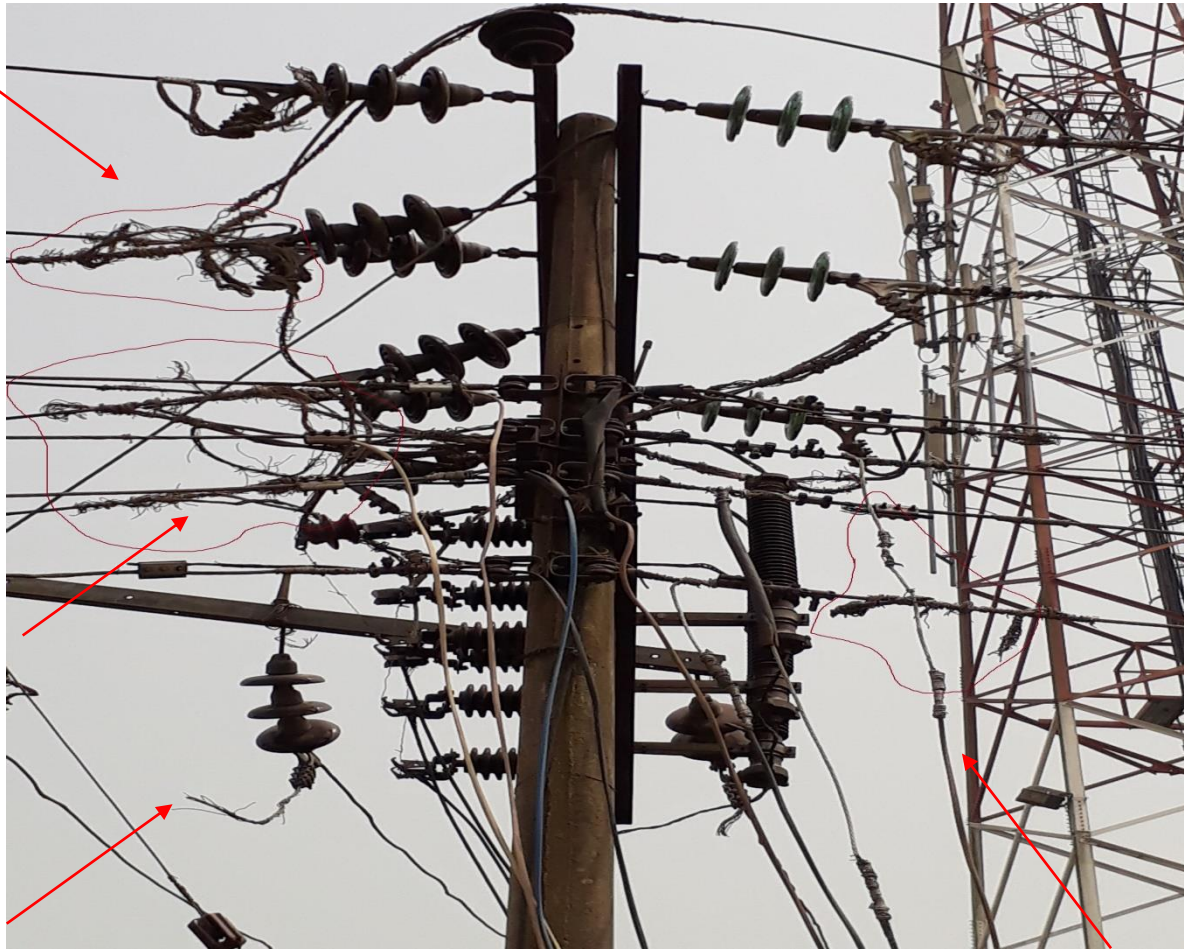
NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



YEAR 2018 CUMULATIVE STATISTICS

MONTH FEBRUARY 2018	TOTAL NO. OF ACCIDENTS WITH FATALITIES	TOTAL NO. OF FATALITIES [STAFF & 3RD PARTY]		NO. OF ACCIDENTS WITH ONLY INJURIES	NO. OF PERSONS INJURED		OTHER NON- DISCO/TCN ELECTRICAL DEATHS	NO. OF EXPLOSIONS / FIRES	NO. OF VEHICULAR ACCIDENTS	NO. OF ENVIRONMENTAL ACCIDENTS	TOTAL LOST MAN- HOURS	NO. OF BAD NETWORKS REPORTED FOR THE MONTH	YEAR-TO- DATE NO. OF BAD NETWORKS REPORTED	YTD NO. OF BAD NETWORKS RESOLVED BY DISCO / TCN	RESPONSE TO NEMSA REPORTS IN WEEKS
		STAFF	3 RD PARTY		STAFF	3 RD PARTY									
ABUJA	0	0	0	3	2	3	0						0	76	
BENIN	5	1	4	0	0	0	0						124	45	
EKO	1	0	1	0	0	0	0		0				31	33	
ENUGU	1	1	0	0	0	0	0						63	73	
IBADAN	1	0	4	1	0	2	0						32	26	
IKEJA	0	0	0	1	4	0	0		3				552	325	
JOS	4	2	2	1	1	0	1						241	89	
KADUNA	3	1	2	1	0	5	0						40	47	
KANO	3	1	2	1	0	1	0						26	34	
PORT HARCOURT	0	0	0	0	0	0	0						47	26	
YOLA	1	0	1	0	0	0	4						70	30	
TCN	0	0	0	0	0	0	0						0	0	
YEAR TOTAL	19	6	16	8	7	11	5		3				1226	804	

Unsafe Installations from some Discos Networks



This section pole was seen carrying two outgoing 33kV feeders and two service lines. The termination joints were very badly done. The only seen neutral return conductor for the service lines was observed to be at the verge of snapping. The interwoven/cobweb of interconnections is an accident waiting to happen. Added to this is the closeness to a communication mast. [Orlu]



HT poles were seen planted inside the premises of many houses. This constitutes serious risk to occupants of the affected houses. Right of Way (ROW) should be observed and poles should be relocated away from the buildings. [IBADAN]



**Operators of the Power Sector to note:
Zero target for Electrocutions nationwide.**

Discos to intensify efforts at:

(i) revamping/calibrating their Protection schemes & equipment

(ii) rectifying their defective networks to prevent electrical accidents and reduce technical losses.

(iii) educating the general public on the need for extreme caution with using electricity!

SAFETY TIPS

- **Do not build structures or carry out activities under power lines**
- **Avoid contact with electric poles, Tv antenna poles, conductors and other electrical equipment installed in the open.**
- **Avoid staying under trees with conductors running over such trees.**
- **Avoid climbing masts constructed close to power lines.**
- **Avoid power cables and metallic objects.**
- **Wear rubber sole shoes always when on wet grounds.**
- **Report any fallen electric poles or conductors to the nearest electricity utility company or to NEMSA office nearest to you. Do not attempt to touch these.**

***Work Safely!
Safety First - Safety Always
- NEMSA.***

***Thank
You!***