DMS Database Columns names:

.csv (VLIFE mk1)

A	Time
B	Type
C	Status
D	Mode
E	Reading no.
F	IR
G	LIMVoltage
H	LIMCurrent
I	Temperature
J	LineVoltage1
K	LineVoltage2
L	LineCurrent
M	LimResistance
N	column_n
O	column_o
P	column_p
Q	Column_q

.csv (VLIM mk1)

A	Time
B	VNetAddress
C	Type
D	Status
E	LimImbalance
F	LimResistance
G	LimCapacitance
H	LimResistanceCm
I	LimCapacitanceCm
J	LineVoltage
K	LineCurrent
L	LineFrequency
M	LinePhase

.csv (VLIFE mk2 Ty-4)

A	Time
B	VNetAddress
C	Type
D	Status
E	LimResistance
F	LineVoltage
G	VlifeMode
H	VlifeParam
I	VlifeVoltage

.csv (VLIM mk1 Ty-3)

A	Time
B	VNetAddress
C	Type
D	Status
E	LimImbalance
F	LimResistance
G	LimCapacitance
H	LimResistanceCm
I	LimCapacitanceCm
J	LineVoltage
K	LineCurrent
L	LineFrequency
M	LinePhase
N	Field 1 for Ty-3
O	Field 2 for Ty-3
P	Field 3 for Ty-3

- Different CSV header file format of 1. VLIFE-(mk1), 2.VLIM-(mk1), 3. VLIFE-(mk2) Ty-4, 4. VLIM mk1 Ty-3

Relation Mapping;

Sl no.	VLIFE (mk1)	VLIM (mk1)	VLIFE (mk2) Ty-4	VLIM (mk2) Ty-3	Gen
01.	A	A	A	A	
02.		B	B	B	
03.	B	C	C	C	
04.	C	D	D	D	
05.	D				
06.	E				
07.		E		E	
08.	F	F	E	F	
09.	G				
10.		G		G	
11.			G		
12.	H				
13.		H		H	
14.			H		
15.	I				
16.		I		I	
17.			I		
18.	J	J		J	
19.	K				
20.	L	K		K	
21.	M				
22.		L		L	
23.	N				
24.		M		M	
25.	O				
26.	P				
27.	Q				
28.				r_c1 for Ty-3	
29.				r_c2 for Ty-3	
30.				r_c3 for Ty-3	
31.					l_e_n
32.					hs_i_c

- Three columns are reserved in ‘product_data’ 1. ‘r_c1 for Ty-3’, 2. ‘r_c2 for Ty-3’, 3. ‘r_c3 for Ty-3’ for VLIM (mk2) Ty-3
- Two columns are reserved in ‘product_data’ 1. l_e_n (Live Earth Noise), 2. hs_i_c (High Sample Insulation Capacitance)

product_data table; (Changes in the existing table)

product_data (present)

1.	id (PK)
2.	time
3.	vNetAddress
4.	type
5.	status
6.	lim_imbalance
7.	lim_resistance
8.	lim_capacitance
9.	lim_resistance_cm
10.	lim_capacitance_cm
11.	line_voltage
12.	line_current
13.	line_frequency
14.	line_phase
15.	network_unit_id (FK)

product_data (proposed)

1.	id (PK)
2.	time
3.	vNetAddress
4.	data_type
5.	status
6.	l1_l2_ratio
7.	insulation_resistance
8.	insulation_capacitance
9.	downstream_insulation_resistance
10.	downstream_insulation_capacitance
11.	line_voltage
12.	line_current
13.	line_frequency
14.	line_phase
15.	network_unit_id (fk)
16.	mode
17.	reading_number
18.	lim_voltage
19.	lim_current
20.	temperature
21.	line_voltage_two
22.	lim_resistance
23.	column_n
24.	column_o
25.	column_p
26.	column_q
27.	vlife_mode
28.	vlife_param
29.	vlife_voltage
30.	field1_for_ty3
31.	field2_for_ty3
32.	field3_for_ty3
33.	live_earth_noise
34.	highsample_insulation_capacitance

1. Number-16 to Number-26 is for VLIFE-(mk1).csv
2. Number-27 to Number-29 is for VLIFE-(mk2) Ty-4.csv
3. Number-30 to Number-32 is for VLIM-(mk1)-Ty-3.csv
4. Number-33 to Number-34 is for general

network_unit table; (Changes in the existing table)

network_unit (present)

1.	project_info_id (PK)
2.	channel
3.	company_name
4.	control_system
5.	created_by
6.	created_date
7.	ip_address
8.	is_alive
9.	platform
10.	project_id
11.	unit_serial_no
12.	unit_config_id (FK)

project_info (proposed)

1.	project_info_id (PK)
2.	channel
3.	company_name
4.	control_system
5.	created_by
6.	installation_date
7.	ip_address
8.	is_alive
9.	platform
10.	project_id
11.	unit_serial_no
12.	unit_config_id (FK)
13.	part_no
14.	description
15.	ref_no

1. Number-6: replace ‘created_date’ to ‘installation_date’
2. Number-14: description.
3. Number-13: part_no is for future use.
4. Number-15: ref_no.

user table; (Changes in the existing table)

user (present)

1.	id (PK)
2.	email
3.	name
4.	password

user (proposed)

1.	id (PK)
3.	name
4.	password

1. Remove Number-2: email

user_info table; (create new table in the database)

user_info (proposed)	
1.	id (PK)
2.	first_name
3.	last_name
4.	permission
5.	email
6.	last_login
7.	user_created

user_info (proposed)	
1.	id (PK)
2.	first_name
3.	last_name
4.	permission
5.	email
6.	last_login
7.	user_created

client_info table; (create new table in the database)

client_info (proposed)	
1.	id (PK)
2.	client_name
3.	client_address
4.	client_contact_no
5.	client_contact_person

client_info (proposed)	
1.	id (PK)
2.	client_name
3.	client_address
4.	client_contact_no
5.	client_contact_person

assert_info table; (create new table in the database)

assert_info (proposed)	
1.	id (PK)
2.	notification
3.	licenses
4.	maintenance_contract
5.	warranties
6.	client_info_id (FK)

assert_info (proposed)	
1.	id (PK)
2.	notification
3.	licenses
4.	maintenance_contract
5.	warranties
6.	client_info_id (FK)

report_info table; (create new table in the database)

report_info (proposed)	
1.	id (PK)
2.	present_ir
3.	project_no
4.	document_no
5.	rev_no
6.	unit_events
7.	engg_comments
8.	recommendation
9.	project_info_id/n_u_id (FK)

report_info (proposed)	
1.	id (PK)
2.	present_ir
3.	project_no
4.	document_no
5.	rev_no
6.	unit_events
7.	engg_comments
8.	recommendation
9.	project_info_id/n_u_id (FK)

- n_u_id is network_unit_id

analysis_info table; (create new table in the database)

analysis_info (proposed)	
1.	id (PK)
2.	start_point
3.	end_point
4.	plot_location
5.	plot_colour
6.	co_ordinates
7.	chart_type
8.	analysis_comments
9.	project_info_id/n_u_id (FK)

analysis_info (proposed)	
1.	id (PK)
2.	start_point
3.	end_point
4.	plot_location
5.	plot_colour
6.	co_ordinates
7.	chart_type
8.	analysis_comments
9.	project_info_id/n_u_id (FK)

project_history_info table; (create new table in the database)

project_history_info (proposed)	
1.	id (PK)
2.	project_no
3.	allocated_sreiral_no
4.	present_serial_no
5.	allocated_by

project_history_info (proposed)	
1.	id (PK)
2.	project_no
3.	allocated_sreiral_no
4.	present_serial_no
5.	allocated_by