08/04/2015

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

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

Relation Mapping;

VLIFE (mk1)	VLIM (mk1)	VLIFE (mk2) Ty-4	General
Time	Time	Time	
	VNetAddress	VNetAddress	
Type	Type	Type	
Status	Status	Status	
Mode			
Reading no.			
	LimImbalance		
IR	LimResistance	LimResistance	
LIMVoltage			
	LimCapacitance		
LIMCurrent			
	LimResistanceCm		
Temperature			
	LimResistanceCm		
LineVoltage1	LineVoltage	LineVoltage	
LineVoltage2			
LineCurrent	LineCurrent		
LimResistance			
	LineFrequency		
	LinePhase		
		VlifeMode	
		VlifeParam	
		VlifeVoltage	
			live_earth_noise
			highsample_insulation_capacitance

- Two columns are reserved in ‘data_core_ measurements’ 1. Live Earth Noise, 2. 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)

data_core_ measurements (proposed)

1.	id (PK)
2.	time
3.	vnet_address
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.	project_info_id (FK)
16.	product_info_id (FK)
17.	data_vlife_mkone_id (FK)
18.	vlife_mode
19.	vlife_param
20.	vlife_voltage
21.	live_earth_noise
22.	highsample_insulation_capacitance
23.	unit_config_id (FK)

1. Number-18 to Number-20 is for VLIFE (mk2) Ty-4.csv
2. Number-21 to Number-22 is for general

data_vlife_mkone table; (create new table in the database)

data_vlife_mkone (proposed)

1.	data_vlife_mkone_id (PK)
2.	mode
3.	reading_number
4.	lim_voltage
5.	lim_current
6.	temperature
7.	line_voltage_two
8.	lim_resistance

data_vlife_mkone (proposed)

1.	data_vlife_mkone_id (PK)
2.	mode
3.	reading_number
4.	lim_voltage
5.	lim_current
6.	temperature
7.	line_voltage_two
8.	lim_resistance

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.	created_date
7.	ip_address
8.	is_alive
9.	platform
10.	starjar_project_id
11.	**(moved to product_info table)**
12.	unit_config_id (FK)
13.	description
14.	installation_date
15.	project_history_info (FK)
16.	device_config
17.	client_info_id (FK)

1. Number-13: description.
2. Number-14: installation_date.
3. Number-16: device_config (will have ‘vLifeEndDate:’, this info is set when the device is delivered to client)

product_info table; (create new table in the database)

product_info (proposed)

1.	product_info_id (PK)
2.	unit_serial_no
3.	part_no
4.	description
5.	project_info_id (FK)
6.	product_history_info (FK)

product_info (proposed)

1.	product_info_id (PK)
2.	unit_serial_no
3.	part_no
4.	description
5.	project_info_id (FK)
6.	product_history_info (FK)

1. Moved ‘config’ from “product_info” table to “project_info” table as ‘device_config’.

project_history_info table; (create new table in the database)

project_history_info (proposed)	
1.	id (PK)
2.	starjar_project_id
3.	allocated_serial_no
4.	present_serial_no
5.	allocated_engg
6.	allocated_date
7.	commissioned
8.	decommissioned

project_history_info (proposed)	
1.	id (PK)
2.	starjar_project_id
3.	allocated_serial_no
4.	present_serial_no
5.	allocated_engg
6.	allocated_date
7.	commissioned
8.	decommissioned

product_history_info table; (create new table in the database)

product_history_info (proposed)	
1.	id (PK)
2.	software_update
3.	person_to_test
4.	hardware_update
5.	last_tested

product_history_info (proposed)	
1.	id (PK)
2.	software_update
3.	person_to_test
4.	hardware_update
5.	last_tested

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 (FK)
5.	email
6.	last_login
7.	user_created

user_info (proposed)	
1.	id (PK)
2.	first_name
3.	last_name
4.	Permission (FK)
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

asset_info table; (create new table in the database)

asset_info (proposed)	
1.	id (PK)
2.	notification
3.	licenses
4.	contract
5.	warranties
6.	project_info_id (FK)

asset_info (proposed)	
1.	id (PK)
2.	notification
3.	licenses
4.	contract
5.	warranties
6.	project_info_id (FK)

- No need to create the table, for future use.

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 (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 (FK)

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 (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 (FK)

unit_config table; (Changes in the existing table)

unit_config (present)	
1.	id (PK)
2.	body
3.	headers
4.	method
5.	remote_url

unit_config (proposed)	
1.	id (PK)
2.	body
3.	headers
4.	method
5.	remote_url