	OCP Ready Data Center Site Assessment	ST DIGITAL DOUALA		
	Self Assessment Status:	COMPLETE-MEETS REQUIREMENTS		
	Data Center Location Name	Douala01		
	Data Center Location Address	Bonanjo,Douala,Cameroon		
	Site Development Category:	1. Multi-tenant Capacity Available		
	Site Description: IT Technical Space (White Space) Area	500 Sqm of IT room		
	Site Description: Critical IT Power	1MW		
	Site Description: Network Provider Availability	Orange,MTN,Camtel,Swecom,Creolink,INQ,AFR-IX, Eutelsat		
	Site Description: Facility Features	1 Power transformer , 2 Utility feed , 3 backup Genset , 1 Fuel tank , 500 Battery backup bank, Video Surveillance and Biometric access control ,24/7 Security on site		
	Site Description: Other Services	24/7 NOC and Datacenter tech on site		
	Date Original Assessment is Completed	07/01/2024		
	Re-Assessment Date:			
Ref:	**REQUIREMENTS - Attribute (Must have an Optimum or Acceptable result)**	**Parameter**	**Result**	**Notes/ Actual Parameters**
1.0	**ACCESS**			
1.0-A	Building Access	2. Road level with step and threshold free access	**Acceptable**	
1.0-B	Delivery pathway, Loading dock to Goods in	1. ≥2.75m (108in) H x ≥2.4m (96in) W x ≥2.4m (96in) D unobstructed access and threshold free	**Optimum**	
1.0-C	Delivery pathway, Goods in to White space	1. ≥2.4m (96in) H x ≥1.8m (72in) W unobstructed access and threshold free	**Optimum**	
1.0-D	Corridor floor rolling load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
1.0-E	Unboxing/pre-staging/storage area floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	**Optimum**	
1.0-F	Unboxing/pre-staging/storage area floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
1.1	**RAMPS**			
1.1-A	Gradient	1. Not Applicable - No Ramps Required	**Optimum**	
1.1-B	Width	1. Not Applicable - No Ramps Required	**Optimum**	
1.1-C	Landing area	1. Not Applicable - No Ramps Required	**Optimum**	
1.1-D	Railings	1. Not Applicable - No Railings Required	**Optimum**	
1.2	**LIFTS / ELEVATORS**			
1.2-A	Weight loading	1. Not Applicable - No Lift/Elevator Required	**Optimum**	
1.2-B	Door height	1. Not Applicable - No Lift/Elevator Required	**Optimum**	
1.2-C	Width	1. Not Applicable - No Lift/Elevator Required	**Optimum**	
1.2-D	Depth	1. Not Applicable - No Lift/Elevator Required	**Optimum**	
2.0	**IT TECHNICAL SPACE (WHITE SPACE)**			
2.0-A	Floor rolling load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
2.0-B	Floor uniform load	1. ≥1221kg/m2 (250lb/ft2) (11.97kN/m2)	**Optimum**	
2.0-C	Floor concentrated load	1. ≥680kg (1500lb) (6.67kN)	**Optimum**	
2.0-D	Finished floor to ceiling height	2. ≥3.1m (124in)	**Acceptable**	
2.0-E	Access floor clearance	1. ≥900mm (36in) (if used for cooling)	**Optimum**	
2.1	**ELECTRICAL**			
2.1-A	Number of independent circuits to the rack	1. 2N (A+B)	**Optimum**	
2.1-B	Maximum circuit capacity	1. 3ϕ 32A/230V	**Optimum**	
2.1-C	Circuit voltage	1. 400/230 VAC nominal	**Optimum**	
2.1-D	Circuit frequency	1. 47-63 Hz	**Optimum**	
2.1-E	Power receptacle / WIP Type	1. IEC60309 532R6W	**Optimum**	
2.1-F	Circuit receptacle location	2. Underfloor	**Acceptable**	
2.1-G	Upstream UPS options	1. UPS and non UPS feeds available	**Optimum**	
2.1-H	Rack-based batteries permitted	1. Allowed	**Optimum**	
2.1-I	Generator load acceptance time	1. <60 seconds	**Optimum**	
2.2	**COOLING**			
2.2-A	Rack airflow direction	1. Front to Back	**Optimum**	
2.2-B	Air containment methods	2. Hot/Cold aisle containment for all cabinets in white space	**Acceptable**	
2.2-C	Maximum rack density	1. ≥12kw	**Optimum**	
2.2-D	Minimum cold aisle width	1. ≥1500mm (60in)	**Optimum**	

2.2-E	Minimum free width cold aisle (Inside cage)	1. ≥1200mm (48in)	Optimum	
2.2-F	Minimum hot aisle width	1. ≥1200mm (48in)	Optimum	
2.2-G	Inlet air conditions	1. ASHRAE Class A1 Allowable	Optimum	
2.2-H	Air quality	1. EN 779 G4 and F7 filtering & Gas particulate monitoring to the ANSI/ISA 74.04-1985 G severity levels	Optimum	
2.2-I	Temperature rise	2. ≥8 Deg C DeltaT	Acceptable	
2.2-J	Cabinet blanking of open space	2. Recommended	Acceptable	
2.3	CABLING			
2.3-A	Cabling infrastructure pathways	2. Top and Rear of rack fed	Acceptable	
2.3-B	Overhead Network Infrastructure containment levels	2. 2 Levels (Intra-Pod cabling; Inter-Pod cabling)	Acceptable	
2.3-C	Fibre Type (if installed)	2. Installed Per Customer Requirements	Acceptable	
2.3-D	Fibre connection presentation (if installed)	2. Installed Per Customer Requirements	Acceptable	
	CONSIDERATIONS (For information only)	**Parameter**	**Result**	**Notes**
3.0	SERVICE			
3.0-A	Replacement PSU Modules	1. In stock onsite	Optimum	
3.0-B	Replacement BBU Modules	2. <2 day delivery	Acceptable	
3.0-C	Option to monitor PSUs and BBUs	1. Yes	Optimum	
3.0-D	Remote hands for PSU and BBU replacement or expansion	1. Yes	Optimum	
3.0-E	Remote hands for OCP IT hardware replacement or expansion	1. Yes	Optimum	
4.0	EFFICIENCY			
4.0-A	Site Operations Standards	1. OCP Critical Facility Operations Guidelines	Optimum	
4.0-B	Site PUE Monitoring	1. Continuously monitored	Optimum	
4.0-C	Site Design PUE	2. <1.5	Acceptable	
4.0-D	Site Annualized PUE Current Achievement	2. <1.5	Acceptable	
4.0-E	Site WUE Monitoring	1. Not applicable (e.g. zero water requirement)	Optimum	
4.0-F	Site CUE Monitoring	2. Periodically measured	Acceptable	
5.0	OPENNESS			
5.0-A	PUE Published	2. Available upon request	Acceptable	
5.0-B	Facility Design Drawings & Files	2. Available to view upon request	Acceptable	